

High School Course Guide



Cover art provided by:

***Ellie Cox
Keller High School***

Vision

KISD – an exceptional district in which to learn, work and live.

Mission Statement

The community of Keller ISD will educate our students to achieve their highest standards of performance by engaging them in exceptional opportunities.

Intentionally Exceptional

We Value...

Relationships as the foundation for how we teach, learn, work, and play together in a safe, engaging, and caring way.

Care for our teachers because the impact of their work prepares students for their future.

Passionate teaching dedicated to content and craft that inspires others.

Exploration and the pursuit of one's passion that leads to personal growth.

Communication and collaboration that strengthens our unity.

Respect for the diversity of our school community through a culture of understanding and personalized learning opportunities.

Our Strategies

In what ways might school be so interesting, and foster such curiosity and wonder, that it propels endless opportunities?

In what ways might we/I clarify our/my purpose in a way that builds trust and unity?

In what ways might we proactively support teachers so they can focus on teaching?

ASSURANCE OF NONDISCRIMINATION

Rev. 06/07/2018

Keller ISD does not discriminate on the basis of race, religion, color, national origin, sex, disability, or age in providing education services, activities, and programs, including vocational programs, and also provides equal access to the Boy Scouts and other designated youth groups, in accordance with Title VI of the *Civil Rights Act of 1964*, as amended; Title IX of the *Educational Amendments of 1972*; Section 504 of the *Rehabilitation Act of 1973*, as amended; *Age Discrimination Act of 1975*; Title II of the *Americans with Disabilities Act*; and the *Boy Scouts of America Equal Access Act*.

The following district staff members have been designated to coordinate compliance with these legal requirements:

- Title IX Coordinator, for concerns regarding discrimination on the basis of sex:
Amanda Bigbee
General Counsel
350 Keller Parkway, Keller, TX 76248
(817) 744-1000
- Section 504 Coordinator, for concerns regarding discrimination on the basis of disability:
Leigh Cook
Compliance Coordinator
350 Keller Parkway, Keller, TX 76248
(817) 744-1000
- Americans with Disabilities Act (ADA) Coordinator, for concerns regarding discrimination on the basis of disability:
Johjania Najera
Executive Director of Human Resources
350 Keller Parkway, Keller, TX 76248
(817) 744-1000
- All other concerns regarding discrimination:
Dr. Rick Westfall
Superintendent
350 Keller Parkway, Keller, TX 76248
(817) 744-1000

All complaints shall be handled through established channels and procedures beginning with the building principal, followed by appeal to the appropriate central administration contact, and finally the board of trustees, in accordance with Policy FNG.

If you need the assistance of the Office for Civil Rights (OCR) of the Department of Education, the address of the OCR Regional Office that covers Texas is:

Dallas Office
Office for Civil Rights, U.S. Department of Education
1999 Bryan Street, Suite 1620
Dallas, TX 75201-6810
Telephone: (214) 661-9600
Facsimile: (214) 661-9587
Email: OCR.Dallas@ed.gov

High School Directory

CENTRAL HIGH SCHOOL

9450 Ray White Road

Phone: 817-744-2000

Keller, TX 76244

Fax: 817-744-2252

Elizabeth Russo, Principal

*Mascot: Chargers
Colors: Crimson & Gold*

FOSSIL RIDGE HIGH SCHOOL

4101 Thompson Road

Phone: 817-744-1700

Keller, TX 76244

Fax: 817-337-3407

David Hadley, Principal

*Mascot: Panther
Colors: Black & Gold*

KELLER CENTER FOR ADVANCED LEARNING CAREER & TECHNICAL HIGH SCHOOL

201 Bursey Road

Phone: 817-743-8000

Keller, TX 76248

Fax: 817-743-8038

Dr. Robert Wright, Director

KELLER HIGH SCHOOL

601 North Pate-Orr Road

Phone: 817-744-1400

Keller, TX 76248

Fax: 817-337-3362

Lisa Simmons, Principal

*Mascot: Indian
Colors: Blue & Gold*

NEW DIRECTION HIGH SCHOOL ALTERNATIVE EDUCATION HIGH SCHOOL

250 North College Street

Phone: 817-744-4465

Keller, TX 76248

Fax: 817-744-4464

Jose Angel Lara, Director

Colors: Purple & White

TIMBER CREEK HIGH SCHOOL

12350 Timber Land Blvd.

Phone: 817-744-2300

Fort Worth, TX 76244

Fax: 817-744-2338

Michelle Somerhalder, Principal

*Mascot: Falcon
Colors: Purple & Gold*

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Advanced Academics

The Keller Independent School District secondary schools offer students the opportunity to participate in challenging academic courses, such as Pre-Advanced Placement (Pre-AP), Advanced Placement (AP), or Dual Credit/Dual enrollment so that they may better prepare themselves for college and

career. Because these classes are similar to college level classes, students are challenged to be more disciplined, structured and to perform at a higher academic level.

What is AP? The AP (Advanced Placement) Program is administered by the College Board of New York. It allows students to participate in college level courses and possibly earn college credit while still attending high school. Secondary schools and colleges cooperate in this program to give students the opportunity to show mastery in college-level courses by taking Advanced Placement (AP) exams in May of each school year.

What is Pre-AP (PAP)? The Pre-AP Program is the complementing preparatory program that is designed to provide students with the necessary skills to be successful in AP courses. In KISD these skills together with the Texas Essential Knowledge and Skills (TEKS) comprise the syllabi for Pre-AP courses.

Advanced Placement Examinations (AP) These exams provide students with the opportunity to gain college credit by examination at participating universities. Information regarding the awarding of credit, can be found online at www.collegeboard.com

AP Capstone Diploma Program: Students can earn the AP Capstone Diploma or the AP Seminar and Research Certificate. Students who earn scores of 3 or higher in AP Seminar and AP Research and on four additional AP Exams of their choosing receive the AP Capstone Diploma. Students who earn scores of 3 or higher in AP Seminar and AP Research but not on four additional AP Exams receive the AP Seminar and Research Certificate. All AP courses and course descriptions can be found throughout this course guide.

What is Dual Credit (DC): A student may enroll in academic courses for college credit before they graduate from high school. Students receive both high school and college credit for successful completion of required courses offered through the district partnership university. Students enrolled in dual credit courses are expected to attend class on the scheduled days. The calculation of class rank shall exclude grades earned through college credit courses taken anywhere other than the district high school. There is no limit to the number of credits a student may earn in this manner. A student must:

- Obtain permission from the high school
- Enroll at the college/university offering the courses
- Earn a grade average of 70 or above or “C” in each required course
- Meet the entrance requirements of the college/university including the required TSI exam.
- Comply with the Student Code of Conduct and grading guidelines of the college/university

What is Dual Enrollment (DE): Courses similar to dual credit, by participating in a dual enrollment course, a student is working in college-level curriculum while in high school. However, dual enrollment means that there is a separate college course grade earned and a separate high school course grade earned. The University of Texas at Austin OnRamps courses are an example of this course type. Each dual enrollment course in the guide will have the corresponding HS credit equivalent. Students will register for dual enrollment courses with UT Austin at the beginning of the school year after selecting the dual enrollment course for KISD.

Dual Course Offerings

The following dual courses are offered during the school day in Keller ISD.

Course Name	KISD #	Credit	Partner Institution	Course Title	College Hours
Dual English III	1065	1	TCC	ENGL 1301 Composition I	3
				ENGL 1302 Composition II	3
Dual English IV	1103	1	TCC	ENGL 2322 British Literature I to 1800	3
				ENGL 2323 British Literature II since 1800	3
Dual US History	4004	1	TCC	HIST 1301 United States History I to 1876	3
				HIST 1302 United States History II since 1876	3
Dual US Government	4304	0.5	TCC	GOVT 2305 United States Government	3
Dual Economics	4332	0.5	TCC	ECON 2301 Principles of Macroeconomics	3
OnRamps PreCalculus	2314	1	University of Texas at Austin	MATH 2312 Discovering Pre-Calculus	3
OnRamps College Algebra	2318	1	University of Texas at Austin	MATH 1314 College Algebra	3
OnRamps Statistics	2414	1	University of Texas at Austin	MATH 1342 Elementary Statistics	3
OnRamps Physics	3424	1	University of Texas at Austin	PHYS 1301 Mechanics, Heat and Sound: General Physics Technical Course I	4
				PHYS 1101 Lab for Mechanics, Heat, and Sound	
Dual French III	6134	1	TCC	FREN 1411 Elementary French I	4
				FREN 1412 Elementary French II	4
Dual Advanced Animal Science	81007	1	Weatherford College	AGRI 1419 Animal Science	4
Dual Court Systems and Practices	82433	1	TCC	LGLA 1307 Introduction to the Law and the Legal Professions	3
				CRIJ 1306 Court Systems and Practices	3
Dual Legal Research and Writing	82434	1	TCC	LGLA 1303 Legal Research	3
				LGLA 1305 Legal Writing	3

Concurrent Enrollment: The following dual credit courses are approved to be taken at TCC on a student's own time (outside the school day). Students will receive both high school and college credit upon successful completion of these courses. The courses listed below are part of the Texas Core a 42 Semester Credit Hour core curriculum for all undergraduate students in Texas. Enrollment in these courses must be coordinated through the high school counseling office and high school credit will only be awarded up receipt of the college transcript. The calculation of class rank shall exclude grades earned through college credit courses taken anywhere other than the district high school.

Course Name	Credit	Tarrant County College Course Title	College Hours
Psychology	0.5	PSYC 2301 General Psychology	3
Sociology	0.5	SOCI 1301 Introduction to Sociology	3
Special Topics in Social Studies	0.5	GOVT 2306 Texas Government	3
Algebra II	1	MATH 1314 College Algebra	3
Pre-Calculus	1	MATH 2412 Pre-Calculus Math	4
Statistics	1	MATH 1342 Elementary Statistical Methods	3
Professional Communications	0.5	SPCH 1321 Business and Professional Communication	3
Foundations of Personal Fitness	0.5	KINE 1164 Intro Physical Fitness & Sport	1
Spanish I	1	SPAN 1411 Elementary Spanish I	4
Spanish II	1	SPAN 1412 Elementary Spanish II	4
Spanish III	1	SPAN 2311 Intermediate Spanish I	3
Spanish IV	1	SPAN 2312 Intermediate Spanish II	3
		Other Languages follow same sequence: <ul style="list-style-type: none"> • Level I = Elementary 1411 • Level II = Elementary 1412 • Level III= Intermediate 2311 • Level IV = Intermediate 2312 	

Advanced Placement (AP)/Dual Credit Side-By-Side

	Advanced Placement	Dual Program
English	AP English Language AP English Literature	English III <ul style="list-style-type: none"> ENGL 1301 Composition I ENGL 1302 Composition II English IV <ul style="list-style-type: none"> ENGL 2322 British Literature I ENGL 2323 British Literature II
Mathematics	AP Calculus AB AP Calculus BC AP Statistics AP Computer Science	Precalculus <ul style="list-style-type: none"> MATH 2312 Statistics <ul style="list-style-type: none"> MATH 1342 Algebra II (College Algebra) <ul style="list-style-type: none"> MATH 1314
Science	AP Biology AP Chemistry AP Physics I AP Physics C: Mechanics AP Physics C: Electricity and Magnetism AP Environmental Science	Physics <ul style="list-style-type: none"> PHYS 1301 PHYS 1101
Social Studies	AP Human Geography AP World History AP US History AP Macroeconomics AP US Government	US History <ul style="list-style-type: none"> HIST 1301 United States History I HIST 1302 United States History II Government <ul style="list-style-type: none"> GOVT 2305 United States Government Economics <ul style="list-style-type: none"> ECON 2301 Principles of Macroeconomics
Fine Arts	AP Art History AP Music Theory AP Studio Art: 2-D Design AP Studio Art: 3-D Design AP Studio Art: Drawing	
Languages	AP Spanish Language AP Spanish Literature AP French Language AP German Language AP Latin Language	French III <ul style="list-style-type: none"> FREN 1411 Elementary French I FREN 1412 Elementary French II

Business & Industry		Advanced Animal Science <ul style="list-style-type: none"> • AGRI 1419 Animal Science Dual Aircraft Airframe Technology <ul style="list-style-type: none"> • AERM 1310 Ground Operations • AERM 1314 Basic Electricity • AERM 1303 Shop Practices • AERM 1315 Aviation Science Dual Advanced Aircraft Technology <ul style="list-style-type: none"> • AERM 1345 Airframe Electricity • AERM 1349 Hydraulic & Pneumatics • AERM 1357 Fuel Metering • AERM 1351 Turbine Engine Theory
Public Service		Court Systems and Practices <ul style="list-style-type: none"> • LGLA 1307 Introduction to the Law and the Legal Professions • CRIJ 1306 Court Systems and Practices Legal Research and Writing <ul style="list-style-type: none"> • LGLA 1303 Legal Research • LGLA 1305 Legal Writing

College Prep Courses (NOT dual credit):

English – College and Career Readiness Intervention (TCC-TSI Course)
<p align="center">(1074) Integrated Reading and Writing (1 Credit)</p> <p><u>Course Goal:</u> To support in meeting TSI requirements for English and to enter college and career coursework without remediation.</p> <p><u>Targeted students:</u> Incoming seniors who have not yet met the requirements for College and Career Readiness.</p>

Mathematics – College and Career Readiness Intervention (TCC-TSI Course)
<p align="center">(2503) Developmental Math (1 Credit)</p> <p><u>Course Goal:</u> To support in meeting TSI requirements for math and to enter college and career coursework without remediation.</p> <p><u>Targeted students:</u> Incoming seniors who have not yet met the requirements for College and Career Readiness.</p>

Career and Technical Education



The Keller Independent School District does not discriminate on the basis of race, color, national origin, sex, disability or age in its CTE programs and activities.

Career and Technical Education provides competency-based applied learning which contributes to academic knowledge, higher order thinking skills, problem solving skills, work attitudes, general employability skills, and occupationally-specific skills needed for success in the workplace or in post-secondary education. Various types of programs are offered: laboratory program classes, work-based learning classes, internships, and a variety of courses centered on technology.

This department is moving towards synchronization with the US/Texas labor market. The Career and Technical Education courses are generally taught as competency based. The beginning courses survey the occupational area for the student. An occupational skill is the objective of the more advanced CTE courses. Most of the instruction is hands-on with real-life applications.

Career Planning Resources

College Board

www.collegeboard.org

The College Board is a not-for-profit membership association whose mission is to connect students to college success and opportunity.

Founded in 1900, the College Board is composed of more than 6,000 schools, colleges, universities, and other educational organizations. Each year, the College Board serves seven million students and their parents, 23,000 high schools, and 3,800 colleges through major programs and services in college readiness, college admission, guidance, assessment, financial aid, enrollment, and teaching and learning. Among its best-known programs are the SAT®, the PSAT/NMSQT® and the Advanced Placement Program® (AP®). The College Board is committed to the principles of excellence and equity, and that commitment is embodied in all of its programs, services, activities, and concerns.

Federal Student Aid

<http://studentaid.ed.gov/sa>

The Department of Education's Federal Student Aid programs are the largest source of student aid in America. If you're interested in financial aid for college or a career school, you've come to the right place. Visit the website to find out more and how to apply for this aid.

Reality Check

<https://texasrealitycheck.com/>

This site allows students to search for careers starting with the expenses they need to cover, the salaries they want to make, and their career choices.

Career Information

www.careeronestop.org

This is the place to search for career, training, and job search information.

Interlink

www.interlink-ntx.org

Solving the workforce puzzle by bridging the gap between business and education.

Class Ranking

Class ranking is the system of placing students in descending order according to their weighted grade point averages. For the classes of 2019, 2020, and 2021, the Keller ISD grading scale and grade point equivalent scale are used for all credit granting courses. Class ranks are assigned at each high school grade level at the end of each semester. Beginning with the class of 2022, ranking will only occur within the top 10%.

Course Credit Options

Blended Learning: Classes with this designation meet three times per week. Students complete the bulk of their coursework online, with opportunities for application and enrichment during face-to-face class sessions. On the days that students are not scheduled to be in class (referred to as flex days), their teacher

is available for tutoring sessions and opportunities to make up coursework. Courses offered in this fashion are listed below:

Blended Courses				
Course Name	KISD #	Credits	Grade Levels	Recommended Prerequisites
English III, English III AP	B1063, B1083	1	11	English II
English IV, English IV AP	B1093, B1113	1	12	English III
Government, AP Government	B4301, B4311	.5	12	None
Economics, AP Economics	B4302, B4322	.5	12	None
U.S. History, AP U.S. History	B4003, B4023	1	11	None
Aquatic Science	B3513	1	11-12	None

College Level Courses: A student may enroll in a college-level course at an accredited college or university that is not in a partnership program within the district. Awarding of credit shall be based on courses available in the Keller ISD Course Guide or District administrator approval. The calculation of class rank shall exclude grades earned through college credit courses taken anywhere other than the district high school.

Correspondence Courses: Prior approval to enroll in a correspondence course must be obtained through the application available in the counseling center. A student may be enrolled in only one correspondence course at a time. The calculation of class rank shall exclude grades earned through correspondence courses. See your counselor for further information and special requirements for students wishing to graduate using correspondence course work.

Credit by Exam: Prior approval to take a credit by exam must be obtained through the application available in the counseling center. The calculation of class rank shall exclude credit by exams. Only successful attempts are noted in the academic achievement record. See your counselor for further information on requirements and procedures.

Acceleration: A student may earn credit for certain courses in which they have had *no prior instruction* by scoring a grade of 80 or above on an examination for acceleration and meeting other eligibility requirements.

Credit Recovery: For courses where credit was denied because of grades or excessive absences, a student may earn credit toward graduation by scoring a grade of 70 or above on a special examination. A fee is charged for credit by exam credit recovery testing.

iChoose: The Keller ISD Virtual Learning program is designed to address the unique needs of students by providing online/virtual curriculum. All instruction is delivered through online platforms; however, there are instructors who interact with students through email and online office hours. Students must maintain their pacing in the class in order to receive the best possible grades. Students will have a class period in their schedule where they will be mentored by a Keller ISD facilitator as they progress through the course. **Virtual learning course grades are reported in the grade reporting system and count toward UIL eligibility and GPA.**

Career and Technical Education (CTE): The iChoose CTE virtual learning program is designed for students in apprenticeship/internship/practicum or senior-level CTE courses at the career and technical center. Non-CTE courses needed for graduation are taught online and facilitated by KISD teachers.

Online/Virtual Learning: The virtual learning program is available to complete foundation courses, accelerate completion of language acquisition courses, and prepare students for success in online coursework as they continue their education past high school. Courses offered in this fashion are listed below.

Virtual Core Courses

English IV	Z1093	1	12	English III
US Government	Z4301	.5	12	None
Economics	Z4302	.5	12	None

Virtual Career and Technology Courses

Course Name	KISD #	Credits	Grade Levels	Recommended Prerequisites
Entrepreneurship	Z82503	1	9-12	None
Principles of Business, Marketing, and Finance	Z81400	1	9-11	None
Lifetime Nutrition and Wellness	Z82101	.5	9-12	None
Professional Communication	Z1465	.5	9-12	None
Touch System Data Entry	Z81403	.5	9-12	None
Personal Financial Literacy	Z4504	.5	9-12	None
Sociology	Z4401	.5	11-12	None
Business Information Management I	Z81401	1	10-12	Principles of Business, Marketing, and Finance
Business Management	Z81405	1	10-12	BIM I
Global Business	Z83050	.5	10-12	3 credits of virtual business courses
Virtual Business	Z83051	.5	10-12	3 credits of virtual business courses

Virtual Business Pathway

The Career and Technology Education pathway below is taken entirely online and fulfills the endorsement graduation requirement. See course descriptions in the Business and Industry section.

Program of Study Course Sequence	9th Grade	10th Grade	11th Grade	12th Grade	Optional Electives
General Business (all courses are online)	Principles of Business, Marketing, and Finance (1 credit)	Business Information Management I (1 credit) <i>Prerequisite: Principles of Business, Marketing, and Finance</i>	Business Management (1 credit) <i>Prerequisite: Principles of Business, Marketing, and Finance</i>	Global Business (.5 credit) Virtual Business (.5 credit) <i>Prerequisite: 3 Virtual Business Courses</i>	Advertising (.5 credit) Social Media Marketing (.5 credit) Sports/Entertainment Marketing (.5 credit)

Virtual World Language Courses

French I	Z6113	1	9-12	None
German I	Z6213	1	9-12	None
Latin I	Z6303	1	9-12	None
Latin II	Z6313	1	9-12	Latin I
Spanish I	Z6013	1	9-12	None

Texas Virtual School Network: The Texas Virtual School Network (TxVSN) provides high school courses to supplement regular instructional programs. The high school counselor will register and approve all student course enrollments. Currently, students are limited to two (2) courses per TxVSN session. Fees may vary by the course and the providing district. The providing district sets the calendar for TxVSN classes. Students must follow the schedule and guidelines set in each course. All courses in progress are considered passing until notification is received from the provider. Information on TxVSN course is located at <http://www.txvsn.org>.

Credit

A unit value given to each high school class taken and passed. Credits are awarded at the end of each semester except when taken prior to ninth grade in which case they will be awarded after completion of the 8th grade. The credit value is shown for each course described.

Local Credits: Some courses offered are not among the state approved courses and will receive local credit. Grades earned in locally developed courses are not computed into the grade point average. A local credit is neither mandatory nor calculated into the required amount of credits needed to graduate.

Elective

A course that a student elects or chooses to take although the course is not specifically required.

Endorsement

For students who begin 9th grade in 2014-2015 and thereafter, prior to entering 9th grade, students are required to declare a chosen program of study, or endorsement, which will help in guiding course elective choices throughout high school. Students may earn a single endorsement, or multiple

endorsements in the areas of: Arts and Humanities, Business and Industry, Multidisciplinary Studies, Public Service, or STEM (Science, Technology, Engineering, & Math). Students wishing to change their declared endorsement must follow the Keller ISD process and should see their assigned counselor. Endorsement change requests after the 10th grade year will be evaluated and may sometimes not be possible, depending on the pathway.

Enrollment

A student enrolling in the district for the first time must be accompanied by his/her parents or legal guardian and must provide satisfactory evidence of required immunization, proof of residency (utility bill or lease agreement), and a withdrawal form from the previous school. To complete admission the following demographic information is necessary: social security number, home

address, home phone, mother's name, place of business and work phone, father's name, place of business and work phone, also a friend or relative's name and number in case of emergency is required. Proof of residency will be required every year. An email address will assist in communication between home and school.

Gifted and Talented

Students identified as Gifted and Talented are served through the Pre-Advanced Placement, Advanced Placement, and Independent Study classes in the secondary schools in the Keller Independent School District. In order for students to continue to be served, they must be enrolled in one or more Pre-AP

or AP courses. Please see the course guide for the specific class titles.

Grade Point Average

Students in the class of 2020 and 2021 will use the current 100-point GPA calculation scale. GPA will change for the Class of 2022 and beyond.

Class of 2020 and 2021 Class Rank and Cumulative GPA information

- Courses taken for high school credit in middle school are on the transcript but are not calculated in the GPA
- Final ranking occurs at the end of the 5th 6 weeks of the senior year.
- Courses are graded on a 100-point scale.
- Pre-AP and AP courses get 10 additional GPA points per semester.

Class of 2022 Class Rank and Cumulative GPA Information (Students who entered 9th grade in 2018-2019)

- All state courses are calculated.
- Final Ranking will occur at the end of the 1st semester of the senior year.
- Courses taken for high school credit in middle school are on the transcript but are not calculated in the GPA.
- Keller ISD calculates both an unweighted GPA and a weighted GPA. The unweighted GPA is the average of the grades that a student has earned in all high school courses taken. It is considered the student's GPA and is reported as such. No additional grade points are considered in the calculation of the unweighted GPA.
- The weighted GPA is only used in the determination of class rank. By taking more rigorous courses, such as Advanced Placement courses and/or Dual Credit courses, additional grade points are awarded towards the ranking GPA. The college admissions process allows the student to indicate if the GPA and class ranking are weighted.

Class of 2023 and Beyond Class Rank and Cumulative GPA Information (Students who enter 9th grade in 2019-2020)

- Final Ranking will occur at the end of the 1st semester of the senior year.
- Keller ISD calculates both an unweighted GPA and a weighted GPA. The unweighted GPA is the average of the grades that a student has earned in all high school courses taken. It is considered the student's GPA and is reported as such. No additional grade points are considered in the calculation of the unweighted GPA.
- The weighted GPA is only used in the determination of class rank. By taking more rigorous courses, such as Advanced Placement courses and/or Dual Credit courses, additional grade points are awarded towards the ranking GPA. The college admissions process allows the student to indicate if the GPA and class ranking are weighted.
- Courses used for ranking GPA (weighted) calculation will include the following 17 courses/16 credits required by the state of Texas for graduation:
 - English I, English II, English III, English IV
 - Algebra I, Geometry, Algebra II
 - Biology, Chemistry, Physics
 - World Geography, World History, U.S. History, Government, and Economics
 - World Language 1, World Language 2
- High School courses (listed above) taken prior to entering 9th grade will be included in the GPA calculation.

State Required Courses for Graduation Included in the GPA Calculation taken in middle school will count in the GPA calculation. Keller ISD maintains decision making authority over any course submitted for GPA inclusion that has not been vetted.

Grade Reporting

The attendance law states that students must have 90% attendance in a high school courses in order to receive credit in a given course in order to meet the state's attendance law of course credit.

A student must be present 90% of the days in each class during a semester. Numerical scores are used to report grades and a minimum grade average of 70 is required for receiving credit. Credit for a full year course is awarded on a semester-by-semester basis. Other courses offered locally, which are not among the state approved courses for grades 9-12 are not included in calculating grade point averages and class rank.

Graduation Rankings

Students who graduate in the top 10% of their high school class are eligible for automatic admission to institutions of higher education if they have completed the Foundation with Endorsement Distinguished Level of Achievement plan.

Students who may, due to university policy, be eligible for automatic

admission if they are in the top 25% of their graduating class must also complete the Foundation with Endorsement Distinguished plan. Colleges and universities may require additional courses for admission. Students should check with the institution they are interested in attending for any additional requirements.

Honor Graduates

- Student GPAs will be ranked to determine valedictorian (1st) and salutatorian (2nd). To be eligible for valedictorian or salutatorian honors, the student shall have attended a Keller Independent School District high school the entire senior year. If a tie exists, co-valedictorian or co-salutatorians will be declared.
- Transfer students shall receive honors grade credit and point values based on the same standards and policies, which govern students who complete equivalent courses in the district. Transfer students shall not receive additional grade point value for advanced or honors courses taken outside the district for which an equivalent course was not available in the district to a student graduating the same year. Students who transfer in with a letter grade will receive the numerical equivalent based on board policy.

Graduation Requirements

To graduate from Keller ISD, students must fulfill all requirements established by the State of Texas and the Board of Trustees. To learn the current requirements for each please see:

Texas Education Agency:

<http://www.tea.state.tx.us/graduation.aspx>

Keller ISD Board Policy:

<https://pol.tasb.org/Policy/Code/1103?filter=EIF>

Note that graduation requirements may change after the printing of this guide. Please refer to the links above and/or check with your counselor for the latest updates. Students must pass all state required end of course exams to include English I, English II, Algebra 1, Biology, and US History.

Only those senior students who have completed all requirements for graduation may participate in the graduation exercise held either at the conclusion of the regular school year or in the summer. Senate Bill 673 from the 80th Texas Legislature ensures that students who receive special education services but who have not yet completed the requirements of their IEPs have the opportunity to participate in a graduation ceremony upon completion of four years of high school.

High School Classification

Students are classified according to the number of credits they have earned and their year in high school. Required classification credits are listed below.

Freshman	0 to 5.5 credits
Sophomore	6 to 11.5 credits
Junior	12 to 17.5 credits
Senior	18+ credits

Keller Center for Advanced Learning (KCAL)

The Keller Center for Advanced Learning will offer students the opportunity to take advanced courses within their chosen endorsement. Students will participate in field-based experiences, culminating in the senior practicum made possible with strong community and business partnerships. Each student will have the opportunity to participate in Career and Technical Student Organizations (CTSOs) and obtain certifications, certificates, licensures and/or college credit within their program of study. KCAL is a collaborative, innovative educational experience that will empower KISD students to be highly competitive in our global society.

Physical Education

One credit of P.E. is required of all students for graduation; however up to 4 credits may be earned. The following activities may be substituted for the one credit of required P.E.:

Athletics (up to 4 credits)

Band during fall semester (maximum of 1 credit)

Cheerleading (maximum of 1 credit)

Drill Team (maximum of 1 credit)

Dance I (maximum of 1 credit)

Color guard (maximum of 1 credit)

Partner in P.E. (up to 3 credit)

ROTC I (maximum of 1 credit)

Technical Theatre 2 (maximum of 1 credit)

Musical Theatre 1 (maximum of 1 credit)

Jazz Ensemble (Show Choir) (maximum of 1 credit)

Prerequisites

A requirement that must be met in order to qualify to take a specific course. Some courses have recommended prerequisites that would best prepare a student for the next level of course. Prerequisites are listed for each course described.

Schedule Changes

Master schedules are developed in the spring prior to the upcoming year. Selections during registration indicate how many teachers and sections will be needed for a course. The process allows administrators to plan and to hire for optimum academic strength. When students are permitted to randomly change

schedules, classes become overcrowded. As a result, all students are affected. Even the most effective planning is compromised. Very seldom does a one-course change affect only one course. Careful selection benefits everyone. Thank you for being a crucial part of our educational team as we work together for academic excellence.

Registration

- Parent and student informational meetings will be held during spring registration.
- Students will be guided through course selection.
- Students who do not complete registration will have a schedule arranged for them by their counselor according to their academic needs and/or graduation plan.

Add/Drop Date

- The last day in March will officially end the opportunity for schedule changes.
- Only schedule changes pertaining to graduation plans and/or computer errors will be addressed during the following school year.
- A student who does not complete registration by the add/drop date will not be eligible for a schedule change.

SAVE Committee Process

- The SAVE Committee is chaired by the assistant principal and is composed of the student, the parent/guardian, the teacher whose class the student is requesting to exit, and the student's counselor.
- Schedule changes that are requested after the add/drop date and that affect AP, Pre-AP, and online classes only will be addressed through the SAVE Committee process.
- Schedule change requests for elective classes will not be considered after the last day in March.

To request a SAVE Committee, a student and parent must:	
1.	Conference with the teacher about the course.
2.	Complete a SAVE Committee request form.
3.	Submit request form to the counseling office.
A student can request a SAVE Committee until:	
	Seven weeks from the first day of the class.

Every effort is made to “SAVE” a student’s schedule.

Semester

This is an 18-week segment of the 9-month school year. Two semesters make up the school year with credits being earned at the end of each semester.

Student Athletes

High school student athletes take academic college-preparatory courses, preferably one in each of the following areas: English, math, science, social studies, and world language. The students should compare course selection against the list of NCAA-approved core courses. For more information about

NCAA and the requirements please visit the NCAA Eligibility Center online. Courses that are on the 48H list for Keller ISD are indicated with a ☒

Summer Intervention

Summer intervention is provided to give the student the opportunity to take a course that was not successfully completed during the school year. Registration will be conducted towards the end of the spring semester. Summer Intervention takes place at a high school campus.

Testing

Advanced Placement Examinations (AP): These exams provide students with the opportunities to gain college credit by examination at participating universities. Information regarding the awarding of credit, can be found online at www.collegeboard.com Keller ISD and the Keller ISD Education

Foundation have combined efforts to create financial support for students enrolled in and taking Advanced Placement exams. Contact your campus counseling office for financial aid information for AP testing.

***Students should contact their college of choice regarding required placement exams.**

ASVAB: The Armed Services Vocational Aptitude Battery is available to students in grades 10-12. It measures aptitudes and abilities and relates them to specific occupations in civilian and military life. Students are strongly encouraged to take this test to help them make wise career choices. Your scores in four critical areas -- Arithmetic Reasoning, Word Knowledge, Paragraph Comprehension and Mathematics Knowledge -- count towards your Armed Forces Qualifying Test (AFQT) score. The AFQT score determines whether you're qualified to enlist in the U.S. military.

STAAR EOC:

State Assessment Requirements	Students will be required to take the State of Texas Assessments of Academic Readiness (STAAR) end of course (EOC) exam corresponding to designated courses. There are 5 STAAR EOC exams aligning to designated courses. Students are required to perform satisfactorily on each state required exam.			
What courses have STAAR EOCs?	English I English II	Algebra I	Biology	US History
What are the STAAR EOC Performance Standards?	<u>Passing Performance Standards:</u> Approaches Grade Level Meets Grade Level Masters Grade Level ----- <u>Non-passing Performance Standards:</u> Does Not Meet Grade Level			
When will students take initial attempt of EOC exams?	STAAR EOC English I and II administered in early April. Each English exam consists of a reading and writing component combined on to one exam. STAAR EOC Algebra I, Biology, and US History administered in early May.			
When are the STAAR EOC retest opportunities offered?	STAAR EOC retest will be offered three times a year, once in the fall, spring, and summer.			

College Entrance Exams: Since college entrance exams are required, the student planning to go to college is encouraged to take the following tests: (It is recommended that English III and Algebra 2 be completed before taking any college entrance exam).

National Merit Scholarship Qualifying Test (PSAT-NMSQT): This test is designed to aid sophomores and juniors in estimating their ability to do college level work and to guide them in making college plans. Industries and universities for scholarship purposes sometimes use the PSAT scores. National Merit Scholarship recipients are determined from the scores acquired from the PSAT taken during their junior year. This test is given in October each year.

ACT and/or SAT: What is necessary for the testing of ACT and SAT? The ACT and/or SAT exams are a system for testing prospective college students for the purpose of admission and counseling. The student should find out which test is required or preferred by the institution. These tests are administered several times during the year at various locations. Each of these tests has a required fee that must be paid at the time of registration.

Registration information is available online at www.collegeboard.com or www.actstudent.org.

*Students should contact their college of choice regarding required exams.

TSI Assessment-The TSI (Texas Success Initiative) is a program designed to help colleges and universities in Texas determine if a student is ready for college-level course work in the general areas of reading, writing, and mathematics. Incoming college students in Texas are required to take the TSI Assessment, unless exempt, to determine college level readiness. Based on TSI performance, a student may be placed in a developmental course or intervention to improve skills and prepare for success in college course. The TSI has a Pre-Assessment activity component designed by the college or university and is mandatory. Students are not allowed to take the TSI until this activity has been completed.

To satisfy TSI and course prerequisite requirements, you must meet or exceed the following college-ready scores:

Subject Area	College-Ready Score
Mathematics	350
Reading	351
Writing	Placement score of at least 340 and an essay score of at least 4 OR Placement score of less than 340 and an ABE Diagnostic level of at least a 4 and an essay score of at least 5

It is possible for a student to earn an exemption from the TSI Assessment. Exemption criteria are listed below:

- ACT-Composite score of 23 with a minimum of 19 on the English and/or Mathematics test; or
- SAT-Combined verbal and mathematics score of 1070 with a minimum of 500 on the verbal and/or the mathematics test.

Transfer Students

Out of state transfer students must complete all state and local graduation requirements to be eligible for a Texas diploma. Incoming transfer credits toward graduation will be accepted from accredited public schools and from private or parochial schools accredited by an association recognized by the Texas Commissioner of Education.

UIL Eligibility

The following UIL standards are used to determine academic eligibility for the first six weeks for the school year.

- Grade 9 and below: Students must have been promoted from the previous grade.
- Grade 10: Five accumulated credits that count toward state graduation requirements.
- Grade 11: Ten accumulated credits that count toward state graduation requirements or student must have earned at least five credits within the last twelve months.
- Grade 12: Fifteen accumulated credits that count toward state graduation requirements, or student must have earned at least five credits within the last twelve months.

Keller ISD Graduation Requirements-Students who entered High School in 2014-2015 and beyond

The Default Plan for Keller ISD students is the Distinguished Level of Achievement Plan, which includes one endorsement choice.

	9th	10th	11th	12th
Keller ISD Graduation Requirements - 26 Credits				
English - 4 Credits	English I	English II	English III	Advanced English
Math - 4 Credits	Algebra I	Geometry	Algebra II	Advanced Math
Science - 4 Credits	Biology	IPC, Physics OR Chemistry	Advanced Science	Advanced Science
Social Studies - 4 Credits	World Geography	World History	US History	Government/Economics
World Languages	2 credits of the same world language			
Physical Education	1 credit			
Fine Art	1 credit – Art, Band, Choir, Dance, Orchestra, Piano, or Theatre			
21st Century Skills	.5 credit Professional Communications			
Electives	5.5 credits			

Endorsement	Programs of Study	Requirements
Arts and Humanities	<ul style="list-style-type: none"> American Sign Language English Fine Arts Social Studies World Languages 	Students must take a coherent sequence of at least four courses within the appropriate programs of study.
Business and Industry	<ul style="list-style-type: none"> Agriculture Architecture and Construction Arts, Audio Video Technology Business Communications* Business Finance Hospitality and Tourism Information Technology Marketing Transportation 	Students must take a coherent sequence of at least three courses for four or more credits in the correlated pathway. (Two of the credits must be advanced, junior year or later)
Public Service	<ul style="list-style-type: none"> Health Science Human Services Law Enforcement Legal Studies Military Science Teaching and Training 	Students must take a coherent sequence of at least three courses for four or more credits in the correlated pathway. (Two of the credits must be advanced, junior year or later)
Science, Technology, Engineering, and Math (STEM)	<ul style="list-style-type: none"> Science Technology Engineering Math 	<p>All STEM Endorsements must include Algebra II, Chemistry, and Physics.</p> <p>Students must take a coherent sequence of at least three courses for four or more credits in the correlated pathway. (Two of the credits must be advanced, junior year or later)</p> <p>OR</p> <p>STEM – Math must take two additional math classes after successful completion of Geometry and Algebra II.</p> <p>OR</p> <p>STEM – Science must take two additional science courses after successful completion of Biology, Chemistry, and Physics</p>

Endorsement	Programs of Study	Requirements
Multidisciplinary	4 Courses of each <ul style="list-style-type: none"> English Math Science Social Studies 	+4 Credits in each foundation subject area – must include English IV, and Chemistry and/or Physics OR +4 Credits in AP or Dual OR +4 Advanced Courses (Junior & above) in Endorsement Areas for 4 or more credits
Distinguished	1. Successful completion of the Foundation High School Program. 2. Earning at least one Endorsement <ul style="list-style-type: none"> Completing a total of four credits in math, including credit in Algebra 2 Completing a total of four credits in science 	
Performance Acknowledgements	For outstanding performance <u>Advanced Coursework</u> <ul style="list-style-type: none"> 12 hours of dual credit or locally articulated courses, with a grade of a “B” or higher OR <ul style="list-style-type: none"> An associate degree while in HS <u>Bilingualism/Bi-literacy Coursework</u> <ul style="list-style-type: none"> Completing all ELA Requirements with a grade of a “B” or higher AND <ul style="list-style-type: none"> Three credits in the same “Language other than English” with a grade of a “B” or higher OR <ul style="list-style-type: none"> Successful completion of a Level 4 course in a “Language other than English” with a grade of a “B” or higher OR <ul style="list-style-type: none"> Completion of at least three credits in foundation subject area courses in a language other than English with a grade of a “B” or higher OR <ul style="list-style-type: none"> A score of a “3” or higher on a College Board AP Exam for a “Language other than English” OR <ul style="list-style-type: none"> Performance on a national assessment of language proficiency in a “Language other than English” ENGLISH LANGUAGE LEARNERS ONLY <i>In addition to above requirements, students must also</i> <ul style="list-style-type: none"> Participate in and meet the exit criteria for a bilingual or ESL program AND <ul style="list-style-type: none"> Scored at the Advanced High Level on the TELPAS <u>Advanced Examination</u> <ul style="list-style-type: none"> A score of 3 or higher on a College Board AP Exam <u>College Readiness Examination</u> <ul style="list-style-type: none"> Commended Scholar score or higher on the PSAT/NMSQT for either the NHRP or NASP OR <ul style="list-style-type: none"> College Readiness Benchmark score on at least two of the subject tests on the ACT-PLAN exam OR <ul style="list-style-type: none"> Combined Critical Reading & Mathematics Score of at least 1250 on the SAT OR <ul style="list-style-type: none"> Composite score of at least 28 on the ACT (excluding the writing sub-score) <u>Workforce Readiness</u> <ul style="list-style-type: none"> Successful performance on an examination that results in obtaining a nationally or internationally recognized business or industry certification OR <ul style="list-style-type: none"> Successful performance on an examination that results in obtaining a government-required credential to practice a profession 	

Four Year Planning

Grade Level	1	2	3	4	5	6	7	8
9th	English I	Algebra I	Biology	World Geography or AP Human Geography	*Language 1	*Professional Communications	*PE	Endorsement elective
10th	English II	Geometry	IPC, Physics, Chemistry	World History	*Language 2	*Fine Art	Elective	Endorsement elective
11th	English III	Advanced 3rd Math	Advanced 3rd Science	U.S. History	Elective	Elective	Elective	Endorsement elective
12th	Advanced English Course	Advanced 4th Math	Advanced 4th Science	Government & Economics	Elective	Elective	Elective	Endorsement elective
<p style="text-align: center;"><i>Course sequence is dependent upon prior credits completed in middle school.</i> <i>*Designated courses may be completed at any grade level</i></p>								

TOTAL CREDITS REQUIRED = 26

Icon Legend

Icons have been placed throughout the course sections and indicate if a course is Pre-AP, AP, Dual Credit, is offered in a virtual environment, or is NCAA approved.

 Pre-AP course

 Advanced Placement course

 Tarrant County College course

 Texas OnRamps course

 Weatherford College course

 Virtual course

☒ NCAA approved course

English Language Arts

Course Name	Credits	Grade Levels	Recommended Prerequisites
English I	1	9	None
English I Pre-AP	1	9	None
Humanities I: English I Pre-AP and AP Human Geography	2	9	None
English II	1	10	English I
English II Pre-AP	1	10	English I
Humanities II: English II Pre-AP and AP World History	2	10	English I and a geography credit
English III	1	11	English II
English III AP	1	11	English II
Dual English III – TCC Composition I/II 1301 & 1302	1	11	Required TCC Admissions Standards
English III Blended	1	11	English II
English III Blended AP	1	11	English II
Sheltered English I/II/III/IV	1	9-12	Required Placement Test and/or LPAC recommendation
Advanced English Courses			
English IV	1	12	English III
English IV AP	1	12	English III
Dual English IV – TCC British Literature I/II 2322 & 2323	1	12	Required TCC Admissions Standards Dual English III
English IV Blended	1	12	English III
English IV Blended AP	1	12	English III
Creative Writing	1	10-12	English II
Advanced Creative Writing	1	11-12	Creative Writing
Research and Technical Writing	1	10-12	English I
Debate III	1	11-12	Oral Interpretation I
Advanced Broadcast Journalism III	1	11-12	Advanced Broadcast Journalism II
Advanced Journalism: Newspaper III	1	11-12	Advanced Journalism Newspaper II
Advanced Journalism: Yearbook III	1	11-12	Advanced Journalism Yearbook II
English Electives			
Photojournalism	.5	9-12	None
Debate I, II	1	10-12	Debate I
Oral Interpretation I, II	1	10-12	Debate I
Advanced Broadcast Journalism I, II	1	10-12	Contemporary Media
Advanced Journalism: Newspaper I, II	1	10-12	Contemporary Media
Advanced Journalism: Yearbook I, II	1	10-12	Contemporary Media
English Language Development and Acquisition (ELDA)	1	9-12	Newcomer
Independent English I/II/III	1	9-11	Required Language Proficiency Test and/or LPAC recommendation

Practical Writing Skills	1	12	Required Language Proficiency Test and/or LPAC recommendation
Independent Study in English: Hebrew Scriptures	1	9-12	None
Independent Study in English: New Testament	1	9-12	None
AP Seminar	1	10-11	Pre-AP course recommended
AP Research	1	11-12	AP Seminar
Integrated Reading and Writing – TCC TSI Course	1	12	Did not meet English performance standards for TSI

Recommended English Sequence				
Students who entered 9 th Grade in 2014-2015 and beyond				
English Sequence	9 th Grade	10 th Grade	11 th Grade	12 th Grade
4 Credits	English I or English I Pre-AP	English II or English II Pre-AP	English III or English III AP or Dual English III	Advanced English Course *See Appendix A

English I

TEDS: 03220100



KISD: 1003

Credit: 1

Grade: 9

Recommended prerequisite: None

English I is the foundation course designed for ninth grade students who demonstrate talent in verbal and/or writing skills. Rigorous instruction emphasizes sentence structure, paragraph development, and development of comprehensive papers of explication, personal narrative, opinion, and description. Composition practice is coordinated with guided reading of fiction, nonfiction, drama, and poetry. The course will focus on critical thinking skills, literary analysis, and development of writing styles.

English I Pre-AP

TEDS: 03220100



KISD: 1023

Credit: 1

Grade: 9

Recommended prerequisite: None

This course provides an in-depth study of the elements and genres of literature. Students produce a variety of original texts including documented research and literary analysis. They will also present oral communications using various forms and technologies. They analyze and critique their presentations and those of others emphasizing the purpose and effect of visuals on the audience. Students will focus on skills required for the Advanced Placement Exam.

Humanities I

TEDS: 03220100, A3360100



Pre **AP AP**

KISD: 1203

Credit: 2

Grade: 9

Recommended prerequisite: None

This double-blocked course is a combination of English I Pre-AP and AP Human Geography. The goal of the class is to gain a better understanding of the world we live in by studying human and cultural geography through the lens of literacy. Students will become geo-literate by studying interactions, interconnections, and implications of the human-environment relationship, including topics such as effects of political change, struggles of ethnic minorities and women, land use by big agriculture and urbanization, and the role of climate change and environmental abuses. Units of study will be thematic in nature, delivered through rigorous literacy practices, including engaging with texts, constructing texts, focusing on language, investigating through research, and academic discussion. This course is focused on college-level expectations and curriculum. Students will earn 1 credit for Pre-AP English I and 1 credit for AP Human Geography. **Students prepare to take the Advanced Placement exam in May for possible college credit.**

English II

TEDS: 03220200



KISD: 1033

Credit: 1

Grade: 10

Recommended prerequisite: English I

English II is designed for tenth grade students. Intense instruction emphasizes sentence structure, paragraph development, and development of explication, personal narrative, opinion, and description. Composition practice is coordinated with guided reading of fiction, nonfiction, drama, and poetry. The course will focus on critical thinking skills, literary analysis, and development of writing styles. Each student will complete a research project.

English II Pre-AP

TEDS: 03220200



KISD: 1053

Credit: 1

Grade: 10

Recommended prerequisite: English I

English II Pre-AP includes advanced mechanics, syntax, usage, and vocabulary in preparation for the PSAT and Advanced Placement Exam. It continues work on critical thinking skills. Students analyze discourse in persuasive and informative texts as well as the short documented essay. Students will also write reflectively using personal narrative and memoir. The course requires critical reading of classical, Medieval, Renaissance, and contemporary literature with emphasis on the writer's style and purpose. Literary selections provide more mature reading experiences. Students will produce a variety of oral and media communications. They will analyze and evaluate their own and others' presentations in terms of the effect of media on American society. Students will also complete a research project.

Humanities II

TEDS: 03220200, A3370100



Pre **AP AP**

KISD: 1216

Credit: 2

Grade: 10

Recommended prerequisite: English I and a geography credit

This double-blocked course is a combination of English II Pre-AP and AP World History. This course is a continuation of the Humanities I offerings. For more information about each individual course listed, review that course descriptions. This course is focused on college-level expectations and curriculum. Students will earn 1 credit for Pre-AP English II and 1 credit for AP World History. **Students prepare to take the Advanced Placement exam in May for possible college credit.**

English III

TEDS: 03220300



KISD: 1063

Credit: 1

Grade: 11

Recommended prerequisite: English II

English III is the third year of a required four-year study. It is a Recommended Prerequisite for English IV. Instruction emphasizes all aspects of American literature. Composition work continues with expository writing. Each student must complete a research project. **This course is offered in the traditional classroom and through the Keller ISD Blended Learning program which allows students to complete some of the coursework off campus.**



English III AP

TEDS: A3220100



KISD: 1083



Credit: 1

Grade: 11

Recommended prerequisite: English II

AP Language and Composition emphasizes the analysis of a variety of literary and nonfiction texts with particular attention to the writer's style, diction, syntax, argumentation, and logic. Students reflect this analysis in compositions that use sophisticated syntax and vocabulary, effective use of proof, and control of the conventions of language. Emphasis is on wide reading and analytic response in timed essays in preparation for the Advanced Placement Exam in Language and Composition. Students enrolling in this class are expected to take the Advanced Placement Exam in May. A qualifying score on the AP test may enable students to be exempt from the composition class that many colleges require. **AP students prepare to take the Advanced Placement Exam in May for possible college credit. This course is offered in the traditional classroom and through the Keller ISD Blended Learning program which allows students to complete some of the coursework off campus.**



Dual English III

TCC English Composition 1301 & 1302

TEDS: 03220300



KISD: 1065

Credit: 1

Grade: 11

Required prerequisite: TCC Admission Standards

Students will receive both high school and college credit upon successful completion of the class. This is a college level class, which is designed for highly motivated students who are prepared to take a college course in high school. The course includes principles of composition and rhetorical skills necessary for clear, logical writing. Emphasis on writing as a process and an introduction to research will be covered. Students must purchase the books required for TCC – Composition I and II. Also, students must register and pay for the course through Tarrant County College.

English IV

TEDS: 03220400



KISD: 1093



Credit: 1

Grade: 12

Recommended prerequisite: English III

English IV is the final year of a required four-year study for the college bound student. Intense instruction emphasizes an in-depth study of British literature. Composition work continues with expository writing and argumentation. Each student must complete a senior research theme paper. **This course is offered in the traditional classroom, online through the Keller ISD Virtual Learning program, and through the Keller ISD Blended Learning program which allows students to complete some of the coursework off campus.**

English IV AP

TEDS: A3220200



KISD: 1113



Credit: 1

Grade: 12

Recommended prerequisite: English III

Using college level expectations, this course emphasizes wide reading and analysis of world literature including fiction, nonfiction, and poetry. Students analyze literary elements and writer's style related to purpose, audience, and theme. Literary analysis will also be a major focus of the composition strand. Students will use proof, advanced syntax, and vocabulary in compositions written on demand and using writing process. Students prepare to complete the Advanced Placement Exam in English Literature and Composition. **AP students prepare to take the Advanced Placement Exam in May for possible college credit. This course is offered in the traditional classroom and through the Keller ISD Blended Learning program which allows students to complete some of the coursework off campus.**

Dual English IV

TCC British Literature 2322 & 2323

TEDS: 03220400 ☒

KISD: 1103

Credit: 1

Grade: 12

Required prerequisite: TCC Admission Standards

Students will receive both high school and college credit upon successful completion of the class. This is a college level class, which is designed for highly motivated students who are prepared to take a college course in high school. The course includes principles of composition and rhetorical skills necessary for clear, logical writing. Emphasis on writing as a process and an introduction to research will be covered. Selected significant works of British literature will also be studied, and may include the study of movements, schools, or periods. Students must purchase the books required for Composition I and II and British Literature I and II. Also, students must register and pay for the course through Tarrant County College.

Sheltered English I-IV

TEDS: 03220100 I ☒ KISD: 1125

TEDS: 03220200 II ☒ KISD: 1126

TEDS: 03220300 III ☒ KISD: 1127

TEDS: 03220400 IV ☒ KISD: 1128

Credit: 1

Grade: 9-12

Required prerequisite: Placement test and/or LPAC recommendation

Enrollment is limited to students indicated as English language learners in 9th-12th grades. Placement in Sheltered English I-IV will be determined through language proficiency tests and LPAC recommendations. Sheltered English courses align with the state and district requirements for English I-IV. Sheltered classes may substitute for the required English credits.



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Photojournalism

TEDS: 03230800

KISD: 1371

Credit: .5

Grade: 9-12

Recommended prerequisite: None

In this semester course, students are expected to plan, interpret, and critique visual representation, carefully examining their product for publication. They will become analytical consumers of media and technology to enhance their communication skills. Students will study the laws and ethical considerations that impact photography. Published photos of professional photojournalists, technology, and visual and electronic media are used as tools for learning as students create, clarify, critique, and produce effective visual representations. Students will refine and enhance their journalistic skills and plan, prepare, and produce photographs for a journalistic publication, whether print, digital, or online media.

Advanced Journalism Newspaper I-III

TEDS: 03230140 I KISD: 13331

TEDS: 03230150 II KISD: 13332

TEDS: 03230160 III KISD: 13333

Credit: 1

Grade: 10-12

Recommended prerequisite: Contemporary Media

Students enrolled in Advanced Journalism: Newspaper I, II, III communicate in a variety of forms such as print, digital, or online media for a variety of audiences and purposes. High school students are expected to plan, draft, and complete written and/or visual communications on a regular basis, carefully examining their copy for clarity, engaging language, and the correct use of the conventions and mechanics of written English. In Advanced Journalism: Newspaper I, II, III, students are expected to become analytical consumers of media and technology to enhance their communication skills. In addition, students will apply journalistic ethics and standards. Published works of professional journalists, technology, and visual and electronic media are used as tools for learning as students create, clarify, critique, write, and produce effective communications. Students enrolled in Advanced Journalism: Newspaper I, II, III will refine and enhance their journalistic skills, research self-selected topics, and plan, organize, and prepare a project(s) in one or more forms of media.

Advanced Journalism Yearbook I-III

TEDS: 03230110 I **KISD:** 13531
TEDS: 03230120 II **KISD:** 13532
TEDS: 03230130 III **KISD:** 13533

Credit: 1

Grade: 10-12

Recommended prerequisite: Contemporary Media

Students enrolled in Advanced Journalism: Yearbook I, II, III communicate in a variety of forms such as print, digital, or online media for a variety of audiences and purposes. High school students are expected to plan, draft, and complete written and/or visual communications on a regular basis, carefully examining their copy for clarity, engaging language, and the correct use of the conventions and mechanics of written English. In Advanced Journalism: Yearbook I, II, III, students are expected to become analytical consumers of media and technology to enhance their communication skills. In addition, students will apply journalistic ethics and standards. Published works of professional journalists, technology, and visual and electronic media are used as tools for learning as students create, clarify, critique, write, and produce effective communications. Students enrolled in Advanced Journalism: Yearbook I, II, III will refine and enhance their journalistic skills, research self-selected topics, and plan, organize, and prepare a project(s) in one or more forms of media.

Advanced Broadcast Journalism I-III

TEDS: 03231900 I **KISD:** 1313
TEDS: 03231901 II **KISD:** 13231
TEDS: 03231902 III **KISD:** 13232

Credit: 1

Grade: 10-12

Recommended prerequisite: Contemporary Media

Students need to be critical viewers, consumers, and producers of media. The ability to access, analyze, evaluate, and produce communication in a variety of forms is an important part of language development. High school students enrolled in this course will apply and use their journalistic skills for a variety of purposes. Students will learn the laws and ethical considerations that affect broadcast journalism; learn the role and function of broadcast journalism; critique and analyze the significance of visual representations; and learn to produce by creating a broadcast journalism product.

Debate I-III

TEDS: 03240600 I **KISD:** 1403
TEDS: 03240700 II **KISD:** 1413
TEDS: 03240800 III ☒ **KISD:** 1423

Credit: 1

Grade: 9-12

Recommended prerequisite: Debate I

Controversial issues arise in aspects of personal, social public, and professional life in modern society. Debate and argumentation are widely used to make decisions and reduce conflict. Students who develop skills in argumentation and debate become interested in current issues, develop sound critical thinking, and sharpen communication skills. They acquire life-long skills for intelligently approaching controversial issues.

Oral Interpretation I-II

TEDS: 03240200 I **KISD:** 1462
TEDS: 03240300 II **KISD:** 1471

Credit: 1

Grade: 10-12

Recommended prerequisite: Debate I

Literature and its presentation are integral to understanding the cultural aspects of a society. Students in Oral Interpretation I-II will select, research, analyze, adapt, interpret, and perform literary texts as a communication art. Students focus on intellectual, emotional, sensory, and aesthetic levels of texts to attempt to capture the entirety of the author's work. Individual or group performances of literature will be presented and evaluated. Competitive events are required.



Creative Writing

TEDS: 03221200



KISD: 1163

Credit: 1

Grade: 10-12

Recommended prerequisite: English II

The study of creative writing allows high school students to earn one credit while developing versatility as a writer. Creative Writing, a rigorous composition course, asks high school students to demonstrate their skill in such forms of writing as fictional writing, short stories, poetry, and drama. All students are expected to demonstrate an understanding of the recursive nature of the writing process, effectively applying the conventions of usage and the mechanics of written English. The students' evaluation of their own writing as well as the writing of others ensures that students completing this course are able to analyze and discuss published and unpublished pieces of writing, develop peer and self-assessments for effective writing, and set their own goals as writers.

Advanced Creative Writing

TEDS: 03221500

KISD: 1164

Credit: 1

Grade: 11-12

Recommended prerequisite: Creative Writing

The study of creative writing allows high school students to earn one credit while developing versatility as a writer. Creative Writing, a rigorous composition course, asks high school students to demonstrate their skill in such forms of writing as fictional writing, short stories, poetry, and drama. All students are expected to demonstrate an understanding of the recursive nature of the writing process, effectively applying the conventions of usage and the mechanics of written English. The students' evaluation of their own writing as well as the writing of others ensures that students completing this course are able to analyze and discuss published and unpublished pieces of writing, develop peer and self-assessments for effective writing, and set their own goals as writers.

Research and Technical Writing

TEDS: 03221100

KISD: 1217

Credit: 1

Grade: 10-12

Recommended prerequisite: English I

The study of technical writing allows high school students to earn one credit while developing skills necessary for writing persuasive and informative texts. This rigorous composition course asks high school students to skillfully research a topic or a variety of topics and present that information through a variety of media. All students are expected to demonstrate an understanding of the recursive nature of the writing process, effectively applying the conventions of usage and the mechanics of written English. The students' evaluation of their own writing as well as the writing of others ensures that students completing this course are able to analyze and discuss published and unpublished pieces of writing, develop and apply criteria for effective writing, and set their own goals as writers.

English Language Development and Acquisition (ELDA)

TEDS:

KISD: 1123

Credit: 1

Grade: 9-12

Recommended prerequisite: Newcomer

ELDA is designed to provide instructional opportunities for recent immigrant students with little or no English proficiency at the high school level. This course enables students to become increasingly more proficient in English in all four language domains.

Independent English I-III

TEDS: 03221800

I

KISD: 1133

TEDS: 03221810

II

KISD: 1134

TEDS: 03221820

III

KISD: 1135

Credit: 1

Grade: 9-11

Required prerequisite: Placement test and/or LPAC recommendation

Enrollment is limited to LEP indicated students in 9-11th grades that are at the Beginner-Advanced High language proficiency levels in language acquisition. The course provides additional language arts support for limited English proficient students. Placement will be determined through language proficiency tests and LPAC recommendations.

Practical Writing Skills

TEDS: 03221300

KISD: 861

Credit: 1

Grade: 12

Required prerequisite: Placement test and/or LPAC recommendation

Enrollment is limited to LEP indicated students in 12th grade who are at the Beginner-Advanced High language proficiency levels in language acquisition. The course provides additional language arts support for limited English proficient students. Placement will be determined through language proficiency tests and LPAC recommendations.

Independent Study in English:

Hebrew Scriptures

TEDS: 03221830

KISD: 1161

Credit: 1

Grade: 9-12

Recommended prerequisite: None

This elective English course will follow federal law maintaining religious neutrality, and will consider the Hebrew scripture in a secular and academic context. Students will study biblical content and narratives that are prerequisites to understanding their impact on contemporary society and culture, including literature, art, music, tradition, morals, laws, history, and government. The course will be objective and academic in nature, requiring students to use their analytical abilities. It will compare religion and the literature of religion for the purposes of literary and/or historical qualities.



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Independent Study in English:

New Testament

TEDS: 03221840

KISD: 1162

Credit: 1

Grade: 9-12

Recommended prerequisite: None

This elective English course will follow federal law maintaining religious neutrality, and will consider the New Testament scripture in a secular and academic context. Students will study biblical content and narratives that are prerequisites to understanding their impact on contemporary society and culture, including literature, art, music, tradition, morals, laws, history, and government. The course will be objective and academic in nature, requiring students to use their analytical abilities. It will compare religion and the literature of religion for the purposes of literary and/or historical qualities.

AP Seminar

AP

TEDS: N1130026

KISD: 1067

Credit: 1

Grade: 10-11

Recommended prerequisite: A previous pre-AP course is strongly recommended for success

AP Seminar is a foundational course that engages students in cross-curricular conversations where they can explore the complexities of academic and real-world topics and issues by analyzing divergent perspectives. Using an inquiry framework, students practice reading and analyzing articles, research studies, and foundational, literary, and philosophical texts; listening to and viewing speeches, broadcasts, and personal accounts; and experiencing artistic works and performances. They synthesize information from multiple sources, develop their own perspectives in written essays, and design and deliver oral and visual presentations, both individually and as a team. Ultimately, the course aims to equip students with the power to analyze and evaluate information with accuracy and precision so they can craft and communicate evidence-based arguments. Exploring different points of view and making connections across disciplines are fundamental components of the AP Seminar experience. Students consider one topic or issue from multiple perspectives, many of which are divergent or competing. Analyzing topics through multiple lenses aids in interdisciplinary understanding and gives students a rich appreciation for the intricacy of important issues. *This course will count as the student's 21st century skill requirement for graduation.*

AP Research

TEDS: N1100014

KISD: 1068

Credit: 1

Grade: 11-12

Recommended prerequisite: AP Seminar

AP Research allows students to deeply explore an academic topic, problem, or issue of individual interest. Through this exploration, students design, plan, and conduct a yearlong investigation to address a research question. In the AP Research course, students further develop the skills acquired in the AP Seminar course by learning research methodology, employing ethical research practices, and accessing, analyzing, and synthesizing information. Students reflect on their skill development, document their processes, and curate the artifacts of their scholarly work through a process and reflection portfolio.



Integrated Reading and Writing

TCC TSI Course

TEDS: CP110100

KISD: 1176

Credit: 1

Grade: 12

Recommended prerequisite: Did not meet English performance standards for TSI

The goal of this course is to support students in meeting TSI requirements for English and to enter college and career coursework without remediation. This course is intended for incoming seniors who did not meet satisfactory performance (score < 30) in English as measured by TSI and not met satisfactory performance on multiple administrations of the English I and II EOC Assessment.



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English Language Arts - Intervention
Students are placed into these courses as needed by the campus administrator.

(1070) Reading I (1 Credit)

Course Goal: To support students in meeting individual English goals necessary in achieving academic success; to support students in meeting English I EOC requirements.

Targeted students: Incoming freshmen who did not meet satisfactory performance on the 8th grade STAAR Reading Assessment, through multiple administrations.

Additional indicators: Unsatisfactory performance through a history of STAAR English assessments.

(1071) Reading II (1 Credit)

Course Goal: To support students in meeting individual English goals necessary in achieving academic success; to support students in meeting English II EOC requirements.

Targeted students: Incoming sophomores or juniors who have not met satisfactory performance on the English I or II EOC Assessment, through multiple administrations.

Additional indicators: Unsatisfactory performance through a history of STAAR English assessments and on the English I EOC Assessment.

(1075) College Readiness and Study Skills (.5 Credit)

Course Goal: To support students in meeting individual English goals necessary in achieving academic success; to support students in meeting English I and II EOC requirements.

Targeted students: Incoming juniors or seniors who have not met satisfactory performance on the English I and/or II EOC Assessment, through multiple administrations.

Additional indicators: Unsatisfactory performance through a history of STAAR English assessments and on the English I and/or II EOC Assessment.

English – College and Career Readiness Intervention
(TCC-TSI Course)

(1074) Integrated Reading and Writing (1 Credit)

Course Goal: To support in meeting TSI requirements for English and to enter college and career coursework without remediation.

Targeted students: Incoming seniors who have not yet met the requirements for College and Career Readiness.

Mathematics

Course Name	Credits	Grade Levels	Prerequisites
Algebra I	1	9	Grade 8 Mathematics
Algebra I Pre-AP	1	9	Grade 8 Mathematics
Algebraic Reasoning	1	10-12	Algebra I
Geometry	1	9-12	Algebra I
Geometry Pre-AP	1	9-12	Algebra I
Math Models with Applications	1	10-12	Algebra I
Algebra II	1	10-12	Algebra I
Algebra II Pre-AP	1	10-12	Algebra I
Dual College Algebra: UT OnRamps	1	10-12	Algebra I, Geometry
Sheltered Math: Algebra I, Geometry, Algebra II, Algebraic Reasoning	1	9-12	Required Placement Test and/or LPAC recommendation
Advanced Math Courses			
Pre-Calculus	1	11-12	Algebra I, II, and Geometry
Pre-Calculus Pre-AP	1	11-12	Algebra I, II, and Geometry
Dual Pre-Calculus: UT OnRamps	1	11-12	Algebra I, II, and Geometry
Advanced Quantitative Reasoning	1	11-12	Geometry and Algebra II
Calculus	1	11-12	<i>Recommended</i> Pre-Calculus
AP Calculus AB	1	11-12	<i>Recommended</i> Pre-Calculus
AP Calculus BC	1	11-12	<i>Recommended</i> Pre-Calculus
Multivariable Calculus	.5	11-12	<i>Recommended</i> Calculus BC
Linear Algebra	.5	11-12	<i>Recommended</i> Multivariable Calculus
Statistics	1	11-12	<i>Recommended</i> Algebra II and Geometry
AP Statistics	1	11-12	<i>Recommended</i> Algebra II and Geometry
Dual Statistics: UT OnRamps	1	11-12	<i>Recommended</i> Algebra II and Geometry
Accelerated Math Courses			
Compacted Algebra I, Geometry, Algebra II	3	9-12	These courses are compacted in order for a student to accelerate at their own pace.
Compacted Geometry, Algebraic Reasoning, Algebra II	3	10-12	
Algebra II/Pre-Calculus Pre-AP	1	10-12	
Math Elective Course			
Developmental Math – TCC TSI Course	1	12	Did not meet math performance standards for TSI

High School Math Course Sequencing 2020-2021

Student levels are to be used by parents, teachers, and counselors to help make course decisions. It is strongly encouraged that parents and students consider the information under “Student Levels” when making course choices.

Student Levels	9th Grade	10th Grade	11th Grade	12th Grade
Approaching Level: <ul style="list-style-type: none"> I failed my math class and I passed my Math STAAR. I passed my math class and I failed my Math STAAR. I passed my math class (70-75 average) and I passed my Math STAAR at Approaches Grade Level. 	<i>Algebra I</i>	<i>Geometry and/or Algebraic Reasoning</i>	<i>Geometry, Algebraic Reasoning, or Math Models.</i>	<i>TSI College Preparatory Math</i>
On Level: <ul style="list-style-type: none"> I passed my math class. I passed my Math STAAR at Meets Grade Level. 	<i>Algebra I Required</i>	<i>Geometry</i>	Choose 1 course: <ul style="list-style-type: none"> <i>Algebra II</i> <i>OnRamps College Algebra</i> <i>Math Models</i> <i>Algebraic Reasoning</i> 	<i>Algebra II, Pre-Calculus, or Statistics</i> *Students who are not planning on taking Calculus in high school or in college do not need to take Pre-Calculus*
			<i>Algebra I, Algebra II, and Geometry</i> or <i>Algebraic Reasoning, Algebra II, and Geometry</i> 2 years, self-paced, compacted course	
Beyond Level: <ul style="list-style-type: none"> I passed my Algebra I course in 8th grade. I passed my Algebra I EOC at Masters Grade Level. 	<i>Geometry Pre-AP</i>	<i>Algebra II Pre-AP or OnRamps College Algebra</i>	Choose 1 course: <ul style="list-style-type: none"> <i>Pre-Calculus Pre-AP</i> <i>Pre-Calculus OnRamps</i> <i>AP Statistics</i> <i>Statistics OnRamps</i> <i>Statistics (on-level)</i> 	<i>Pre-Calculus, Calculus, AP Statistics or Statistics OnRamps</i>
Accelerated Math (Option 1): <ul style="list-style-type: none"> I passed my math class with an 80% or higher. I passed my Math STAAR at Masters Grade Level. 	<i>Algebra I Pre-AP</i>	<i>Geometry Pre-AP</i>	<i>Accelerated Algebra II/ Pre-Calculus or OnRamps College Algebra</i>	<i>Calculus, AP Statistics, Statistics OnRamps or Pre-Calculus</i>
Accelerated Math (Option 2): <ul style="list-style-type: none"> I passed my Algebra I Pre-AP course in 8th grade with an 80% or higher. I passed my Algebra I EOC at Masters Grade Level. 	<i>Geometry Pre-AP</i>	<i>Accelerated Algebra II/ Pre-Calculus</i>	<i>Calculus, AP Statistics or Statistics OnRamps</i>	<i>Linear Algebra/ Multivariable Calculus</i> (Students who have completed Calculus BC)

*Calculus Courses KISD offers: Calculus (equivalent to Calculus I in college), AP Calculus AB (equivalent to Calculus I in college), AP Calculus BC (equivalent to Calculus I and II in college), and Multivariable Calculus (equivalent to Calculus III in college).

Algebra I

TEDS: 03100500



KISD: 2003

Credit: 1

Grade: 9

Recommended prerequisite: Grade 8 Mathematics

Algebra I students build on earlier math experiences, deepening their understanding of relations and functions and expanding their repertoire of familiar linear and quadratic functions, among others. Students learn to combine functions, express functions in equivalent forms, compose functions, and find inverses where possible. Algebra I will provide students with insights into mathematical abstraction and structure through the content strands Foundations for Functions, Linear Functions, and Quadratics and other Non-Linear Functions. It is extremely important for students to learn Algebra I standards in depth, as it is a foundation for other math courses.

Algebra I Pre-AP

TEDS: 03100500



KISD: 2013

Credit: 1

Grade: 9

Recommended prerequisite: Grade 8 Mathematics

There is a strong expectation that all of the students in a Pre-AP math program are preparing for Advanced Placement Calculus and/or Advanced Placement Statistics. Algebra I Pre-AP is designed to prepare students who will be accelerating their math coursework by taking concurrently Algebra II Pre-AP and Geometry Pre-AP in grade 10, or Geometry Pre-AP and Pre-Calculus Pre-AP in grade 11 in order to take Advanced Placement Calculus or Advanced Placement Statistics in their 11th or 12th grade year of high school. Algebra I Pre-AP students build on earlier math experiences, deepening their understanding of relations and functions and expanding their repertoire of familiar linear and quadratic functions, among others. Algebra I will provide students with insights into mathematical abstraction and structure through the content strands Foundations for Functions, Linear Functions, and Quadratics and other Non-Linear Functions. It is extremely important for students to learn Algebra I standards in depth, as it is a foundation for other math courses.

Algebraic Reasoning

TEDS: 03102540

KISD: 2424

Credit: 1

Grade: 10-12

Recommended prerequisite: Algebra I

In Algebraic Reasoning, students will build on the knowledge and skills for mathematics in Kindergarten-Grade 8 and Algebra I, continue with the development of mathematical reasoning related to algebraic understandings and processes, and deepen a foundation for studies in subsequent mathematics courses. Students will broaden their knowledge of functions and relationships, including linear, quadratic, square root, rational, cubic, cube root, exponential, absolute value, and logarithmic functions. Students will study these functions through analysis and application that includes explorations of patterns and structure, number and algebraic methods, and modeling from data using tools that build to workforce and college readiness such as probes, measurement tools, and software tools, including spreadsheets.

Geometry

TEDS: 03100700



KISD: 2213

Credit: 1

Grade: 9-12

Recommended prerequisite: Algebra I

High school students develop facility with a broad range of ways of representing geometric ideas – including coordinates, networks, transformations – that allow multiple approaches to geometric problems and that connect geometric interpretations to other contexts. Students learn to recognize connections among different representations, thus enabling them to use these representations flexibly. Students will expand their understanding through other mathematical experiences through the Geometry content strands of Geometric Structure, Geometric Patterns, Dimensionality and the Geometry of Location, Congruence and the Geometry of Size, and Similarity and the Geometry of Shape.

Geometry Pre-AP

TEDS: 03100700



PreAP
KISD: 2223

Credit: 1

Grade: 9-12

Recommended prerequisite: Algebra I

There is a strong expectation that all of the students in a Pre-AP math program are preparing for Advanced Placement Calculus and/or Advanced Placement Statistics. Geometry Pre-AP is designed to prepare students who will be accelerating their math coursework by taking concurrently Algebra II Pre-AP and Geometry Pre-AP in grade 10, or Geometry Pre-AP and Pre-Calculus Pre-AP in grade 11 in order to take Advanced Placement Calculus or Advanced Placement Statistics in their 11th or 12th grade year of high school. Geometry Pre-AP includes the basic understanding of the Geometry curriculum with added rigor, depth, global connections, multiple representations (verbal, algebraic, numerical, graphical, physical), and expectations of sophistication in student work.

Math Models with Applications

TEDS: 03102400

KISD: 2123

Credit: 1

Grade: 10-12

Recommended prerequisite: Algebra I

Mathematical Models with Applications is designed to build on the knowledge and skills for mathematics in Kindergarten-Grade 8 and Algebra I. This mathematics course provides a path for students to succeed in Algebra II and prepares them for various post-secondary choices. Students learn to apply mathematics through experiences in personal finance, science, engineering, fine arts, and social sciences. Students use algebraic, graphical, and geometric reasoning to recognize patterns and structure, model information, solve problems, and communicate solutions. Students will select from tools such as physical objects; manipulatives; technology, including graphing calculators, data collection devices, and computers; and paper and pencil and from methods such as algebraic techniques, geometric reasoning, patterns, and mental math to solve problems. *Math Models with Applications must be taken prior to Algebra II to receive mathematics credit under the RHSP. Math Model with Applications cannot count as one of the four math credits under the DAP.*

Algebra II

TEDS: 03100600



KISD: 2043

Credit: 1

Grade: 10-12

Recommended prerequisite: Algebra I

In Algebra II, students build on Algebra I and Geometry experiences, both deepening their understanding of relations and functions and expanding their repertoire of familiar functions. Students use technological tools to represent and study the behavior of polynomial, exponential, rational, and periodic functions, among others. Students learn to combine functions, express them in equivalent forms, compose functions, and find inverses where possible. Students will come to understand the concept of parent functions and learn to recognize the characteristics of various parent and familiar functions. Algebra II provides students with insights into mathematical abstraction and structure through the content strands of Foundations for Functions, Algebra and Geometry, Quadratic and Square Root Functions, Rational Functions, and Exponential and Logarithmic Functions. Connections will be made between algebra and geometry and the tools of one will be used to help solve problems in the other.

Algebra II Pre-AP

TEDS: 03100600



PreAP
KISD: 2033

Credit: 1

Grade: 10-12

Recommended prerequisite: Algebra I

There is a strong expectation that all of the students in a Pre-AP math program are preparing for Advanced Placement Calculus and/or Advanced Placement Statistics. Algebra II Pre-AP is designed to prepare students who will be taking Advanced Placement Calculus or Advanced Placement Statistics in their 11th or 12th grade year of high school. Algebra II Pre-AP includes the basic understanding of the Algebra II curriculum with added rigor, depth, global connections, multiple representations (verbal, algebraic, numerical, graphical, physical), and expectations of sophistication in student work.



Dual College Algebra:

UT OnRamps

TEDS: 03100600 ☒

KISD: 2318

Credit: 1

Grade: 10-12

Recommended prerequisite: Algebra I and Geometry

In this dual credit course, students deepen their critical thinking skills and develop their ability to persist through challenges as they explore function families: linear, absolute value, quadratic, polynomial, radical, rational, exponential, and logarithmic. Students analyze data algebraically and with technology while developing their knowledge of properties of functions, matrices and systems of equations, and complex numbers. The pedagogy of the course, inquiry-based learning, encourages students to take an active role in the construction of their learning. This learning will be accomplished by abstraction, generalization, problem-solving, and modeling. Students will experience high quality curriculum designed by the faculty at The University of Texas at Austin and delivered by Keller ISD teachers. Students can earn three hours of UT credit, with feedback and assessment provided by UT course staff.

Sheltered Math I-IV

TEDS: 03100500 Algebra I ☒ **KISD:** 2025

TEDS: 03100700 Geometry ☒ **KISD:** 1134

TEDS: 03100600 Algebra II ☒ **KISD:** 1135

TEDS: 03102540 Algebraic Reasoning **KISD:** 1135

Credit: 1

Grade: 9-12

Required prerequisite: Placement test and/or LPAC recommendation

Enrollment is limited to students indicated as English language learners in 9th-12th grades. Placement in Sheltered Math I-IV will be determined through language proficiency tests and LPAC recommendations. Sheltered Math courses align with the state and district requirements for Math I-IV. Sheltered classes may substitute for the required Math credits.

Pre-Calculus

TEDS: 03101100



KISD: 2303

Credit: 1

Grade: 10-12

Recommended prerequisite: Algebra I, Geometry, and Algebra II

Pre-calculus is the preparation for calculus. The course approaches topics from a function point of view, where appropriate, and is designed to strengthen and enhance conceptual understanding and mathematical reasoning used when modeling and solving mathematical and real-world problems. Students systematically work with functions and their multiple representations. The study of pre-calculus deepens students' mathematical understanding and fluency with algebra and trigonometry and extends their ability to make connections and apply concepts and procedures at higher levels. Students investigate and explore mathematical ideas, develop multiple strategies for analyzing complex situations, and use technology to build understanding, make connections between representations, and provide support in solving problems.



Pre-Calculus Pre-AP

TEDS: 03101100



KISD: 2313

Credit: 1

Grade: 10-12

Recommended prerequisite: Algebra I, Geometry, and Algebra II

There is a strong expectation that all of the students in a Pre-AP math program are preparing for Advanced Placement Calculus and/or Advanced Placement Statistics. Pre-Calculus Pre-AP is designed to prepare students who will be taking Advanced Placement Calculus or Advanced Placement Statistics in their 11th or 12th grade year of high school. Pre-Calculus Pre-AP includes the basic understanding of the Pre-Calculus curriculum with added rigor, depth, global connections, multiple representations (verbal, algebraic, numerical, graphical, physical), and expectations of sophistication in student work.



Dual Pre-Calculus: UT OnRamps

TEDS: 03101100 ☒

KISD: 2314

Credit: 1

Grade: 10-12

Recommended prerequisite: Algebra I, Geometry, and Algebra II

Students will deepen and extend their knowledge of functions, graphs, and equations from their high school algebra and geometry courses so they can successfully work with the concepts in a rigorous university-level Calculus course. This course is designed to push students well beyond “drill and kill” type exercises, with an emphasis on unpacking mathematical definitions and making logical arguments to their peers. The course is divided into seven units; each unit consists of a series of explorations designed to engage students and empower them to develop their problem-solving skills. In each exploration students will create connections with prior concepts in developing the current topic. Students will experience high quality curriculum designed by the faculty at The University of Texas at Austin and delivered by Keller ISD teachers. Students can earn three hours of UT credit, with feedback and assessment provided by UT course staff.

Advanced Quantitative Reasoning

TEDS: 03102510 ☒

KISD: 2423

Credit: 1

Grade: 10-12

Recommended prerequisite: Geometry and Algebra II

In Advanced Quantitative Reasoning, students will develop and apply skills necessary for college, careers, and life. Course content consists primarily of applications of high school mathematics concepts to prepare students to become well-educated and highly informed 21st century citizens. Students will develop and apply reasoning, planning, and communication to make decisions and solve problems in applied situations involving numerical reasoning, probability, statistical analysis, finance, mathematical selection, and modeling with algebra, geometry, trigonometry, and discrete mathematics.

Calculus

TEDS: 03102500 ☒

KISD: 2322

Credit: 1

Grade: 11-12

Recommended prerequisite: Pre-Calculus

Calculus is designed for college bound students who have taken on level Pre-Calculus. Topics include elementary functions, limits, differential calculus and integral calculus. Applications include problems from business, economics, life sciences and social sciences. Students will also review many college algebra skills to help prepare them for college math placement tests.

AP Calculus AB

AP

TEDS: A3100101 ☒

KISD: 2333

Credit: 1

Grade: 11-12

Recommended prerequisite: Pre-Calculus

This course prepares students for the College Board AP Calculus AB Exam for possible college credit (1st semester calculus). AP Calculus AB is primarily concerned with developing the students' understanding of the concepts of calculus and providing experience with its methods and applications. The course emphasizes a multi-representational approach to calculus, with concepts, results, and problems being expressed graphically, numerically, analytically, and verbally. Calculus AB topics include Functions, Graphs and Limits; Derivatives; and Integrals. **AP students prepare to take the Advanced Placement Exam in May for possible college credit.**

AP Calculus BC*

AP

TEDS: A3100102 ☒

KISD: 2343

Credit: 1

Grade: 11-12

Recommended prerequisite: AP Calculus AB

This course prepares students for the College Board AP Calculus BC Exam for possible college credit (1st and 2nd semester Calculus). Students explore all topics covered in AP Calculus AB plus additional topics such as parametric, polar, and vector functions and derivatives, L'Hospital's Rule, Applications of Integrals, and Polynomial Approximations and Series. **AP students prepare to take the Advanced Placement Exam in May for possible college credit.**

*AP Calculus AB and BC are traditionally double-blocked on the high school campus to support advanced level students and their individualized schedules. **KISD:** 2341

Multivariable Calculus

TEDS: N1110018 ☒

KISD: 2363

Credit: .5

Grade: 11-12

Recommended prerequisite: AP Calculus BC

The concepts learned in the single variable calculus course and extends them to multiple dimensions. Topics discussed include: vector algebra; applications of the dot and cross product; equations of lines, planes, and surfaces in space; converting between rectangular, cylindrical, and spherical coordinates; continuity, differentiation, and integration of vector-valued functions; application of vector-valued functions such as curvature, arc length, speed, velocity, and acceleration; continuity, limits, and derivatives of multivariable functions, tangent planes and normal lines of surfaces; applying double and triple integrals to multivariable functions to find area, volume, surface area, mass, center of mass, and moments of inertia; vector fields; finding curl and divergence of vector fields; line integrals; conservative vector fields, conservation of energy. This course counts as a weighted $\frac{1}{2}$ credit and is to be taken the first semester with Linear Algebra being the second semester course. Calculus BC is the prerequisite.

Linear Algebra

TEDS: N1110021 ☒

KISD: 2373

Credit: .5

Grade: 11-12

Recommended prerequisite: Multivariable Calculus

Students are introduced to linear algebra. This is probably the student's first extensive encounter with postulation or axiomatic mathematics. However, the emphasis is on the computational and geometrical aspects of the subject, keeping the abstractions down to a minimum. Students begin with vectors and matrices and progress to systems of linear equations before gradually becoming acquainted with vector spaces and linear transformations. This course counts as a weighted $\frac{1}{2}$ credit and is to be taken the second semester with Multivariable Calculus being the first semester course. Multivariable Calculus is the prerequisite.

Statistics

TEDS: 03102530 ☒

KISD: 2417

Credit: 1

Grade: 10-12

Recommended prerequisite: Geometry and Algebra II

In Statistics, students will build on the knowledge and skills for mathematics in Kindergarten-Grade 8 and Algebra I. Students will broaden their knowledge of variability and statistical processes. Students will study sampling and experimentation, categorical and quantitative data, probability and random variables, inference, and bivariate data. Students will connect data and statistical processes to real-world situations.

AP Statistics

TEDS: A3100200 ☒

KISD: 2403

Credit: 1

Grade: 10-12

Recommended prerequisite: Geometry and Algebra II

This course prepares students for the College Board AP Statistics Exam for possible college credit (1 semester, non-Calculus based Statistics). AP Statistics introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes: Exploring Data: Describing patterns and departures from patterns, Sampling and Experimentation: Planning and conducting a study, Anticipating Patterns: Exploring random phenomena using probability and simulation, Statistical Inference: Estimating population parameters and testing hypotheses. **AP students prepare to take the Advanced Placement Exam in for possible college credit.**



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Dual Statistics: UT OnRamps

TEDS: 03102530



KISD: 2414


Credit: 1

Grade: 11-12

Recommended prerequisite: Geometry and Algebra II

OnRamps Statistics is a dual-enrollment data analysis course for high school juniors and seniors seeking to develop the quantitative reasoning skills and habits of mind necessary to succeed in the higher education environment. This course will target conceptual understanding and hone highly relevant mathematical skills through scaffolded introduction to statistical methodologies, informal game play, and strategic lab exercises that engage students in hands-on analysis of real data. Valuable programming and coding skills are acquired as a means to conducting these analyses, giving students a solid foundation in data science. Team-based problem solving is highly valued, and assessments will guide students through self-reflective analyses of their own preparedness and depth of understanding. Students will experience high-quality curriculum designed by the faculty at The University of Texas at Austin. Students can earn three hours of UT credit with feedback and assessment provided by UT course staff. This course counts as 1 credit. Algebra II and Geometry are the prerequisites.

Compacted Algebra I, Geometry, Algebra II

TEDS: 03100500, 03100700, 03100600  **KISD:** 25100


Credit: 3

Grade: 9-12

Recommended prerequisite: Grade 8 mathematics

This course will span two years and be self-paced. Students will access to a face to face teacher for assistance, but be allowed to move through the curriculum at their own pace. For more information about each individual course listed, review that course description above.

Compacted Geometry, Algebraic Reasoning, Algebra II

TEDS: 03100700, 03102540, 03100600  **KISD:** 25130


Credit: 3

Grade: 10-12

Recommended prerequisite: Algebra I

This course will span two years and be self-paced. Students will access to a face to face teacher for assistance, but be allowed to move through the curriculum at their own pace. For more information about each individual course listed, review that course description above.

Compacted Algebra II, Pre-Calculus Pre-AP

TEDS: 03100600, 03101100  **KISD:** 25430

Credit: 1

Grade: 10-12

Recommended prerequisite: Algebra I and Geometry

In this course students will learn both Algebra II and Pre-Calculus over the span of one year. This is a face-to-face course. For more information about each individual course listed, review that course description above.



Developmental Math

TCC TSI Course

TEDS: CP111200

KISD: 2376

Credit: 1

Grade: 12

Recommended prerequisite: Did not meet math performance standards for TSI

The goal of this course is to support students in meeting TSI requirements for math and to enter college and career coursework without remediation. This course is intended for incoming seniors who did not meet satisfactory performance (score < 30) in math as measured by TSI and not met satisfactory performance on multiple administrations of the Algebra I EOC Assessment.

Mathematics – Intervention

Students are placed into these courses as needed by the campus administrator.

(2501) Independent Study in Math I (1 Credit)

Course Goal: To support students in meeting individual math goals necessary in achieving academic success; to support students in meeting Algebra I EOC requirements.

Targeted students: Incoming freshmen who did not meet satisfactory performance on the 8th grade STAAR Math Assessment, through multiple administrations.

Additional indicators: Unsatisfactory performance through a history of STAAR math assessments.

(2502) Independent Study in Math II (1 Credit)

Course Goal: To support students in meeting individual math goals necessary in achieving academic success; to support students in meeting Algebra I EOC requirements.

Targeted students: Incoming sophomores who have not met satisfactory performance on the Algebra I EOC Assessment, through multiple administrations.

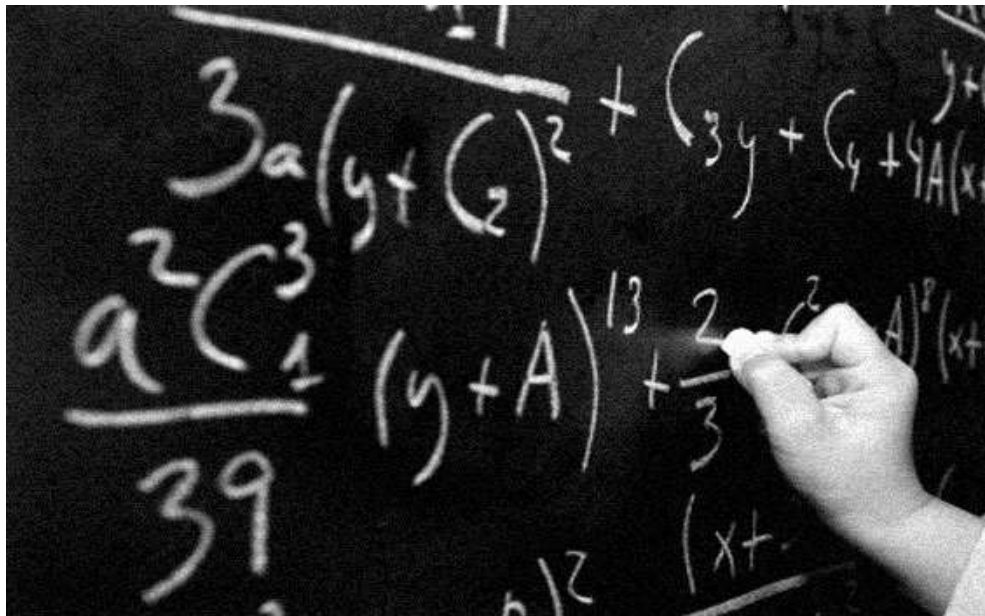
Additional indicators: Unsatisfactory performance through a history of STAAR math assessments and on the Algebra I EOC Assessment.

Mathematics – College and Career Readiness Intervention (TCC-TSI Course)

(2503) Developmental Math (1 Credit)

Course Goal: To support in meeting TSI requirements for math and to enter college and career coursework without remediation.

Targeted students: Incoming seniors who have not yet met the requirements for College and Career Readiness.



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Science

Course Name	Credits	Grade Levels	Recommended Prerequisites
Integrated Physics and Chemistry	1	9-10	None
Biology	1	9-11	None
Biology Pre-AP	1	9-11	None
AP Biology	1	10-12	Biology, Chemistry
Chemistry	1	10-12	Required One science and Algebra I
Chemistry Pre-AP	1	10-12	Required One science and Algebra I
AP Chemistry	1	11-12	Chemistry and Algebra II
Physics	1	9-12	Algebra I
Physics Pre-AP	1	9-12	Algebra I
AP Physics I	1	10-12	Geometry
Dual Physics: UT OnRamps	1	10-12	Algebra and Geometry
AP Physics II	1	11-12	Physics and concurrent Pre-Calculus
AP Physics C: Electricity and Magnetism	1	11-12	Physics and concurrent Calculus
AP Physics C: Mechanics	1	11-12	Physics and concurrent Calculus
Principles of Technology I	1	10-12	Required One credit in science and Algebra I
Sheltered Science: IPC, Biology, Chemistry, Physics	1	9-12	Required Placement Test and/or LPAC recommendation
Advanced Science Courses			
Advanced Animal Science	1	11-12	Biology and advanced science
Anatomy and Physiology	1	10-12	Biology and second science credit
Aquatic Science	1	10-12	Chemistry or concurrent enrollment Required Biology
Astronomy	1	11-12	Chemistry or concurrent enrollment Required Biology
AP Environmental Science	1	11-12	Biology, physical science and Algebra I
Environmental Systems	1	11-12	Biology and one credit of a physical science
Earth and Space Science	1	11-12	Required 3 credits of science and 3 credits of mathematics (one of which may be taken concurrently)
Forensic Science	1	11-12	Required Biology, Chemistry
Medical Microbiology	1	11-12	Biology and Chemistry
Pathophysiology	1	11-12	Biology and Chemistry
Science Elective Course			
Organic Chemistry	1	11-12	AP Chemistry

<i>Recommended Science Sequence</i>				
4 Credits	9 th Grade	10 th Grade	11 th Grade	12 th Grade
	Biology or Biology Pre-AP	Physical Science <i>*See Appendix A</i>	Advanced Science <i>*See Appendix A</i>	Advanced Science <i>*See Appendix A</i>

Integrated Physics and Chemistry

TEDS: 03060201 ☒ **KISD:** 3003
Credit: 1
Grade: 9-10
Recommended prerequisite: None

In Integrated Physics and Chemistry, students conduct field and laboratory investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. This course integrates the disciplines of physics and chemistry with the following topics: force, motion, energy, and matter.

Biology

TEDS: 03010200 ☒ **KISD:** 3103
Credit: 1
Grade: 9-10
Recommended prerequisite: None

In Biology, students conduct field and laboratory investigations, use specific methods during investigations and make informed decisions using critical thinking and scientific problem solving. Students in Biology study a variety of topics that include: structures and functions of cells and viruses, growth and development of organisms, cells, tissues and organs, nucleic acids and genetics, biological evolution, taxonomy, metabolism and energy transfers in living organisms, living systems, homeostasis, ecosystems and the environment.

Biology Pre-AP

Pre**AP**

TEDS: 03010200 ☒ **KISD:** 3113
Credit: 1
Grade: 9-10
Recommended prerequisite: None

Pre-AP Biology is a comprehensive study of biology, ecology, evolution, biochemical pathways, organic and biochemistry, cell biology, genetics, molecular biology, microbiology (which includes invertebrates), taxonomy, embryogenesis, homeostasis and human body systems (immune, lymphatic, digestive, and circulatory system). Students will be expected to show commitment to Pre-AP curriculum and be motivated to utilize higher level thinking skills. The course will also include special projects and a more in-depth study of biological concepts. Pre-AP students should expect to continue in the AP program with a goal of taking the AP test.

AP Biology

AP

TEDS: A3010200 ☒ **KISD:** 3123
Credit: 1
Grade: 10-12
Recommended prerequisite: Biology and Chemistry

This course is a comprehensive study of advanced biology designed to prepare students to take the AP Biology Exam. The class covers material a student would encounter in a freshman level college biology class. Special emphasis will be placed on the principles and processes of biology along with understanding the means by which biological information is collected and interpreted. The content of the course will meet College Board standards. Students planning to take the Biology AP Exam would benefit by enrolling in Anatomy and Physiology also. **AP students prepare to take the Advanced Placement Exam in May for possible college credit.**

Chemistry

TEDS: 03040000



KISD: 3303

Credit: 1

Grade: 10-12

Recommended prerequisite: One science and Algebra I

In Chemistry, students conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students study a variety of topics that included characteristics of matter, use of the Periodic Table, development of atomic theory and chemical bonding, chemical stoichiometry, gas laws, solution chemistry, thermochemistry, and nuclear chemistry. Students will investigate how chemistry is an integral part of our daily lives.

Chemistry Pre-AP

PreAP

TEDS: 03040000



KISD: 3313

Credit: 1

Grade: 10-12

Recommended prerequisite: One science and Algebra I

Chemistry Pre-AP is a comprehensive study of chemistry, scientific method, lab safety, scientific measurements, properties of matter, atomic structure and its history, quantum numbers, periodic table characteristics and trends, chemical bonding, gas laws, nomenclature of compounds, moles, chemical reactions, stoichiometry, aqueous mixtures, acid/bases and neutralization reactions. The course will be lab based and students will be asked to analyze and evaluate data from lab investigation. Chemistry Pre-AP covers additional rigorous College Board topics that require critical thinking and a higher level of math skills, such as solving equations for variables, exponential and mathematical abstraction. Students should expect a challenging Pre-AP curriculum with the expectation of moving on to AP Chemistry and taking the AP test.

AP Chemistry

AP

TEDS: A3040000



KISD: 3333

Credit: 1

Grade: 11-12

Recommended prerequisite: Chemistry and Algebra II

This course is a comprehensive study of advanced chemistry designed to prepare students to take the Chemistry AP Exam. The class covers most of the material a student would encounter in a freshman level college chemistry course. Special emphasis is placed on atomic structure and bonding, thermochemistry, kinetics, equilibrium and electrochemistry. The content of the course will meet College Board standards. **AP students prepare to take the Advanced Placement Exam in May for possible college credit.**

Physics

TEDS: 03050000



KISD: 3403

Credit: 1

Grade: 9-12

Recommended prerequisite: Algebra I

In Physics, students conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students study a variety of topics that include: laws of motion, changes within physical systems and conservation of energy and momentum; forces; thermodynamics; characteristics and behavior of waves; and atomic, nuclear, and quantum physics. Students who successfully complete Physics will acquire factual knowledge within a conceptual framework, practice experimental design and interpretation, work collaboratively with colleagues, and develop critical thinking skills.

Physics Pre-AP

TEDS: 03050000



Pre **AP**
KISD: 3413

Credit: 1

Grade: 9-12

Recommended prerequisite: Algebra I

Physics Pre-AP is a comprehensive study of physics that studies laws of motion, changes within physical systems, and conservation of energy and momentum; forces; thermodynamics; waves; and atomic, nuclear, and quantum physics. Physics Pre-AP covers additional rigorous College Board topics that require critical thinking and a higher level of math skills. Students will acquire factual knowledge within a conceptual framework, practice experimental design and interpretation, and develop critical thinking skills. Students should expect a challenging Pre-AP curriculum with the expectation of moving on to AP Physics and taking the AP test.

AP Physics I

TEDS: A3050003



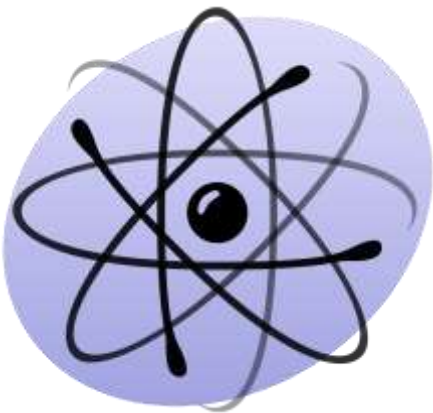
AP
KISD: 3443

Credit: 1

Grade: 10-12

Recommended prerequisite: Geometry

Algebra-Based is the equivalent to a first-semester college course in algebra-based physics. The course covers Newtonian mechanics (including rotational dynamics and angular momentum); work, energy, and power; and mechanical waves and sound. It will also introduce electric circuits. **AP students prepare to take the Advanced Placement Exam in May for possible college credit.**



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Dual Physics:

UT OnRamps

TEDS: 03050000




KISD: 3424

Credit: 1

Grade: 10-12

Recommended prerequisite: Algebra and Geometry

Mechanics, Heat, and Sound introduces big ideas in physics, such as Newtonian mechanics, which describes objects changing their state of motion because of forces causing them to accelerate. Taken together, the topics reinforce the general idea that the behavior of many objects in the world can be described precisely with simple mathematics. This is an algebra-based (non-calculus) course in mechanics that fulfills a general physics requirement. Proficiency in algebra and geometry is assumed. Students will practice problem-solving and analyzing physical situations involving motion, force, energy, rotations, heat, oscillations, waves, and sound. Students will explore concepts in small groups, develop ideas, and explain them. This course lays the groundwork for college majors including engineering, physics, chemistry, or math. This course may be used to fulfill the science component of the university core curriculum.

AP Physics II

TEDS: A3050004



AP
KISD: 3453

Credit: 1

Grade: 11-12

Recommended prerequisite: Physics, Algebra I, Geometry, Algebra II, concurrent Pre-Calculus

Algebra-Based is the equivalent to a second-semester college course in algebra-based physics. The course covers fluid mechanics; thermodynamics; electricity and magnetism; optics; and atomic and nuclear physics. **AP students prepare to take the Advanced Placement Exam in May for possible college credit.**

AP Physics C: Electricity and Magnetism

TEDS: A3050005 ☒ **KISD:** 3435

Credit: 1

Grade: 11-12

Recommended prerequisite: Physics, Algebra I, Geometry, Algebra II, concurrent Calculus

AP Physics C: Electricity and Magnetism is calculus-based, appropriate for students planning to specialize or major in physical science or engineering. The course explores topics such as electrostatics; conductors, capacitors, and dielectrics; electric circuits; magnetic fields; and electromagnetism. Introductory differential and integral calculus is used throughout the course. The course should prepare students for successful completion of the AP Physics C Exam. The content of the course will meet College Board standards. **AP students prepare to take the Advanced Placement Exam in May for possible college credit.** Class is taught at the Keller Center for Advanced Learning.

AP Physics C: Mechanics

TEDS: A3050006 ☒ **KISD:** 3434

Credit: 1

Grade: 11-12

Recommended prerequisite: Physics, Algebra I, Geometry, Algebra II, concurrent Calculus

AP Physics C: Mechanics is calculus-based, appropriate for students planning to specialize or major in physical science or engineering. The course explores topics such as kinematics; Newton's laws of motion; work, energy and power; systems of particles and linear momentum; circular motion and rotation; and oscillations and gravitation. Introductory differential and integral calculus is used throughout the course. The course should prepare students for successful completion of the AP Physics C Exam. The content of the course will meet College Board standards. **AP students prepare to take the Advanced Placement Exam in May for possible college credit.**

Principles of Technology

TEDS: 13037100 ☒

KISD: 3553

Credit: 1

Grade: 10-12

Recommended prerequisite: One science credit and Algebra I

In Principles of Technology, students conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Various systems will be described in terms of space, time, energy, and matter. Students will study a variety of topics that include laws of motion, conservation of energy, momentum, electricity, magnetism, thermodynamics, and characteristics and behavior of waves. To receive credit in science, students must meet the 40% laboratory and fieldwork requirement identified in §74.3(b)(2)(C) of this title (relating to Description of a Required Secondary Curriculum).

Sheltered Science I-IV

TEDS: 03060201 IPC ☒ **KISD:** 2025

TEDS: 03010200 Biology ☒ **KISD:** 1134

TEDS: 03040000 Chemistry ☒ **KISD:** 1135

TEDS: 03050000 Physics ☒ **KISD:** 1135

Credit: 1

Grade: 9-12

Required prerequisite: Placement test and/or LPAC recommendation

Enrollment is limited to students indicated as English language learners in 9th-12th grades. Placement in Sheltered Science I-IV will be determined through language proficiency tests and LPAC recommendations. Sheltered Science courses align with the state and district requirements for Science I-IV. Sheltered classes may substitute for the required Science credits.



Advanced Animal Science

TEDS: 13000700

KISD: 81106

Credit: 1

Dual Credit: 81107

Grade: 11-12

Recommended prerequisites: Veterinary Medical Applications, Biology, Chemistry, or IPC; Algebra I; and Geometry

To be prepared for careers in the field of animal science, students need to attain academic skills and knowledge, acquire knowledge and skills related to animal systems, and develop knowledge and skills regarding career opportunities, entry requirements, and industry standards. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills in a variety of settings. This course examines the interrelatedness of human, scientific, and technological dimensions of livestock production. Instruction is designed to allow for the application of scientific and technological aspects of animal science through field and laboratory experiences. This course is also offered as a dual credit course through Weatherford College: AGRI 1419. If enrolled in dual credit, students will receive both high school and college credit upon successful completion of the class. This is a college level class, which is designed for highly motivated students who are prepared to take a college course in high school. Students must register and pay for the course through Weatherford College. This course counts as a science credit. Class is taught at the Keller Center for Advanced Learning for students in the veterinary pathway only.

Anatomy and Physiology

TEDS: 13020600 ☒

KISD: 3203

Credit: 1

Grade: 10-12

Recommended prerequisite: Biology and a second science credit

This course offers a comprehensive study of the structures and functions of the human body. It will include dissections and the study of the organization of organs and organ systems. Students will utilize critical thinking skills and scientific problem solving as they conduct lab investigations. To receive credit in science, students must meet the 40% laboratory and fieldwork requirement identified in §74.3(b)(2)(C) of this title (relating to Description of a Required Secondary Curriculum). Class is taught at the all main campuses and at the Keller Center for Advanced Learning.

Aquatic Science

TEDS: 03030000



KISD: 3513

Credit: 1

Grade: 10-12

Recommended prerequisite: Biology and previous or concurrent Chemistry

In Aquatic Science, students study the interactions of biotic and abiotic components in aquatic environments, including impacts on aquatic systems. Investigations and fieldwork in this course may emphasize fresh water or marine aspects of aquatic science depending primarily upon the natural resources available for study near the school. Students who successfully complete Aquatic Science will acquire knowledge about a variety of aquatic systems, conduct investigations and observations of aquatic environments, work collaboratively with peers, and develop critical thinking and problem-solving skills.

Astronomy

TEDS: 03060100



KISD: 3503

Credit: 1

Grade: 11-12

Recommended prerequisite: Biology

In Astronomy, students conduct laboratory and field investigations, use scientific methods, and make informed decisions using critical thinking and scientific problem solving. Students study the following topics: astronomy in civilization, patterns and objects in the sky, our place in space, the moon, reason for the seasons, planets, the sun, stars, galaxies, cosmology, and space exploration. Students who successfully complete Astronomy will acquire knowledge within a conceptual framework, conduct observations of the sky, work collaboratively, and develop critical thinking skills.

Earth and Space Science

TEDS: 03060200



KISD: 3573

Credit: 1

Grade: 11-12

Recommended prerequisite: Three credits of science and math (two of which can be taken concurrently)

Earth and Space Science is a capstone course designed to build on students' prior scientific and academic knowledge and skills to develop understanding of Earth's system in space and time. ESS has three strands used throughout each of the three themes: systems, energy, and relevance.

AP Environmental Science



TEDS: A3020000 ☒

KISD: 3543

Credit: 1

Grade: 11-12

Recommended prerequisite: Biology, physical science, Algebra I

This course is designed to provide students with the scientific principles, concepts, and methodologies required to understand the inter-relationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving and/or preventing the environmental problems. **AP students prepare to take the Advanced Placement Exam in May for possible college credit.**

Environmental Systems

TEDS: 03020000 ☒

KISD: 3533

Credit: 1

Grade: 11-12

Recommended prerequisite: Biology and a physical science

Students will conduct field and laboratory investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students will study a variety of topics that include: biotic and abiotic factors in habitats, ecosystems and biomes, interrelationships among resources and an environmental system, sources and flow of energy through an environmental system, relationship between carrying capacity and changes in populations and ecosystems, and changes in environments.

Forensic Science

TEDS: 13029500 ☒

KISD: 82420

Credit: 1

Grade: 11-12

Recommended prerequisite: Biology and Chemistry

Forensic Science is a course that uses a structured and scientific approach to the investigation of crimes of assault, abuse and neglect, domestic violence, accidental death, homicide, and the psychology of criminal behavior. Students will learn terminology and investigative procedures related to crime scene, questioning, interviewing, criminal behavior characteristics, truth detection, and scientific procedures used to solve crimes. Using scientific methods, students will collect and analyze evidence through case studies and simulated crime scenes such as fingerprint analysis, ballistics, and blood spatter analysis. Students will learn the history, legal aspects, and career options for forensic science.

Medical Microbiology

TEDS: 13020700 ☒

KISD: 81821

Credit: 1

Grade: 11-12

Recommended prerequisite: Biology and Chemistry

This science elective course is designed to explore medical based microbiology. The student will discover relationships between microbes and health maintenance as well as the role of microbes in infectious diseases. To receive credit in science, students must meet the 40% laboratory and fieldwork requirement identified in §74.3(b)(2)(C) of this title (relating to Description of a Required Secondary Curriculum). Class is taught at the Keller Center for Advanced Learning.

Pathophysiology

TEDS: 13020800



KISD: 81822

Credit: 1

Grade: 11-12

Recommended prerequisite: Biology and Chemistry

In this course students conduct laboratory investigations and fieldwork, use scientific methods during investigations, and make informed decisions using critical thinking and problem solving. Students study disease processes and how humans are affected. Emphasis is placed on prevention and treatment of diseases. Students will differentiate between normal and abnormal physiology. To receive credit in science, students must meet the 40% laboratory and fieldwork requirement identified in §74.3(b)(2)(C) of this title (relating to Description of a Required Secondary Curriculum). Class is taught at the Keller Center for Advanced Learning.

Organic Chemistry

TEDS: N1120027

KISD: 5725

Credit: 1

Grade: 11-12

Recommended prerequisite: AP Chemistry

Organic chemistry is an introductory course. The student will learn the concepts and applications of organic chemistry and be introduced to organic compounds and their properties. Topics covered include aliphatic and aromatic compounds, alcohols, aldehydes, ketones, acids, ethers, amines, spectra, and stereochemistry. The laboratory experiments will familiarize the student with the important laboratory techniques. **This course is an Elective Credit and will not count as an Advanced Science Course. This course counts as a weighted credit.**



Social Studies

Course Name	Credits	Grade Levels	Recommended Prerequisites
World Geography	1	9	None
World Geography Pre-AP	1	9	None
AP Human Geography	1	9-12	None
Humanities I: English I Pre-AP and AP Human Geography	2	9	None
World History	1	10	None
AP World History	1	10	None
Humanities II: English II Pre-AP and AP World History	2	10	English I and geography
United States History	1	11	None
United States History Blended	1	11	None
AP United States History	1	11	None
Dual United States History - TCC US History 1301 and 1302	1	11	Required TCC Admission Standards
United States Government	.5	12	None
United States Government Blended	.5	12	None
AP United States Government and Politics	.5	12	None
Dual United States Government - TCC Government 2305	.5	12	Required TCC Admission Standards
Economics	.5	12	None
Economics Blended	.5	12	None
AP Economics (Macroeconomics)	.5	12	None
AP Economics (Macroeconomics) Blended	.5	12	None
Dual Principles of Economics – TCC Economics 2301	.5	12	Required TCC Admission Standards
Social Studies Elective Courses			
AP Comparative Government and Politics	.5	12	None
AP Economics (Microeconomics)	.5	12	None
AP Microeconomics Blended	.5	12	None
AP European History	1	11-12	None
Psychology	.5	11-12	None
AP Psychology	1	11-12	None
Sociology	.5	11-12	None
Ethnic Studies: Mexican American Studies	1	10-12	None
Personal Financial Literacy (also available online)	.5	10-12	None
Special Topics in Social Studies: Hebrew Scriptures	.5	9-12	None
Special Topics in Social Studies: New Testament	.5	9-12	None

<i>Recommended Social Studies Sequence</i>				
	9 th Grade	10 th Grade	11 th Grade	12 th Grade
<i>4 Credits</i>	World Geography or World Geography Pre-AP or AP Human Geography or Humanities I	World History or AP World History or Humanities II	US History or AP US History or Dual US History	Government/ Economics or AP Government/ AP Macroeconomics or Dual Government/ Economics

World Geography

TEDS: 03320100 ☒ **KISD:** 4203
Credit: 1
Grade: 9
Recommended prerequisite: None

Integrating the eight strands of the Texas Essential Knowledge and Skills for social studies, students examine people, places, and environments at local, regional, national, and international scales from the spatial and ecological perspectives of geography. Students describe the influence of geography on events of the past and present. A significant portion of the course centers around the physical processes that shape patterns in the physical environment; the characteristics of major land forms, climates, and ecosystems and their interrelationships; the political, economics, and social processes that shape cultural patterns of regions; types and patterns of settlement; the distribution and movement of world population; relationships among people, places, and environments; and the concept of region. Students compare how components of culture shape the characteristics of regions and analyze the impact of technology and human modifications on the physical environment. Students use problem solving and decision-making skills to ask and answer geographic questions.



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World Geography Pre-AP

Pre **AP**

TEDS: 03320100 ☒ **KISD:** 4223
Credit: 1
Grade: 9
Recommended prerequisite: None

Pre-AP World Geography is designed for mastery of the Texas Essential Knowledge and Skills as well extension beyond this mastery. In this course, critical thinking and analytical skills will be utilized in various projects including interpretation of primary and secondary source materials. Students will use their knowledge of spatial relationships, systematic physical and human processes and the interaction between people and their environment to make intelligent decisions as citizens.

AP Human Geography

AP

TEDS: A3360100 ☒ **KISD:** 4501
Credit: 1
Grade: 9-12
Recommended prerequisite: None

The purpose of the AP Human Geography course is to introduce students to the systematic study of patterns and processes that have shaped human understanding, use and alterations of the earth's surface. Students employ spatial concepts and landscape analysis to examine human social organization and its environmental consequences. They also learn about the methods and tools geographers use in their science and practice. AP Human Geography can be substituted for World Geography. **AP students prepare to take the Advanced Placement Exam in May for possible college credit.**

Humanities I

TEDS: 03220100, A3360100



KISD: 1203

Credit: 2

Grade: 9

Recommended prerequisite: None

This double-blocked course is a combination of English I Pre-AP and AP Human Geography. The goal of the class is to gain a better understanding of the world we live in by studying human and cultural geography through the lens of literacy. Students will become geo-literate by studying interactions, interconnections, and implications of the human-environment relationship, including topics such as effects of political change, struggles of ethnic minorities and women, land use by big agriculture and urbanization, and the role of climate change and environmental abuses. Units of study will be thematic in nature, delivered through rigorous literacy practices, including engaging with texts, constructing texts, focusing on language, investigating through research, and academic discussion. This course is focused on college-level expectations and curriculum. Students will earn 1 credit for Pre-AP English I and 1 credit for AP Human Geography.

Students prepare to take the Advanced Placement exam in May for possible college credit.

World History

TEDS: 03340400



KISD: 4103

Credit: 1

Grade: 10

Recommended prerequisite: None

World History is a global study of man's achievements from the beginning of prehistoric times to the present. Special emphasis is given to cultural patterns that have resulted from the interrelationships of geographic, social, economic, and political factors.

AP World History

TEDS: A3370100



KISD: 4123

Credit: 1

Grade: 10

Recommended prerequisite: None

The AP World History is equivalent to an introductory college course in world history and is taught with a college level text. The purpose of this course is to develop a greater understanding of the development of world societies as they develop and interact through the ages. Emphasis will be placed on a combination of selective factual knowledge and appropriate analytical skills. There will be a focus on a variety of themes that collectively describe the human experience and issues of social structure and conditions of men and women. Studies will include routes of exchange and basic economic, political and social systems. A Special Topics class may be encouraged. **AP students prepare to take the Advanced Placement Exam in May for possible college credit.**

Humanities II

TEDS: 03220200, A3370100



KISD: 1216

Credit: 2

Grade: 10

Recommended prerequisite: English I and a geography credit

This double-blocked course is a combination of English II Pre-AP and AP World History. This course is a continuation of the Humanities I offerings. For more information about each individual course listed, review that course descriptions. This course is focused on college-level expectations and curriculum. Students will earn 1 credit for Pre-AP English II and 1 credit for AP World History. **Students prepare to take the Advanced Placement exam in May for possible college credit.**

United States History

TEDS: 03340100 ☒

KISD: 4003

Credit: 1

Grade: 11

Recommended prerequisite: None

United States History is a study of the political, social, and economic events from Reconstruction 1877 to the present. Emphasis will be placed on significant individuals, issues, ideas and events that affect our country's history, present and future. In addition, students will learn how geography influences historical developments, economic development and growth; understand the nation's social, cultural and political development as the United States emerged as a world power and the relationship of the United States to the other nations of the world. **This course is offered in the traditional classroom and through the Keller ISD Blended Learning program which allows students to complete some of the coursework off campus.**

AP United States History

TEDS: A3340100 ☒

KISD: 4023

Credit: 1

Grade: 11

Recommended prerequisite: None

The Advanced Placement United States History course is equivalent to an introductory course in United States History and is taught with a college level text. The purpose of this course is to develop a greater understanding of the development of United States through analytical skills and factual knowledge of the time period. Emphasis will be placed on assessment of historical materials and its relevance to given interpretive problems. A Special Topics class may be encouraged. **AP students prepare to take the Advanced Placement Exam in May for possible college credit. This course is offered in the traditional classroom and through the Keller ISD Blended Learning program which allows students to complete some of the coursework off campus.**



Dual United States History

TCC US History 1301 & 1302

TEDS: 03340100 ☒

KISD: 4004

Credit: 1

Grade: 11

Required prerequisite: TCC Admission Standards

Students will receive both high school and college credit upon successful completion of the class. This is a college level class, which is designed for highly motivated students who are prepared to take a college course in high school. These classes are a survey of the social, political, economic, cultural, and intellectual history of the United States. Students must purchase the books required for TCC – United States History. Also, students must register and pay for the course through Tarrant County College.



United States Government

TEDS: 03330100 ☒

KISD: 4301

Credit: .5

Grade: 12

Recommended prerequisite: None

United States Government is a general study of federal, state, local governments and the American political system including their decisions and activities. Emphasis is placed on civic participation and responsibilities, democratic beliefs, and the interrelationships of government with the American economic system. This course provides an opportunity to study in depth the foundation of the United States political system; to analyze structure and functions of the government on the local, state and federal levels; and to study the major documents including the Bill of Rights, Constitution and Federalist papers. The United States government and political systems will be compared to other governments and systems around the world. **This course is offered in the traditional classroom, online through the Keller ISD Virtual Learning program, and through the Keller ISD Blended Learning program which allows students to complete some of the coursework off campus.**



AP United States Government and Politics



TEDS: A3330100



KISD: 4311

Credit: .5

Grade: 12

Recommended prerequisite: None

The AP Government and Politics is equivalent to an introductory college course in government and is taught with a college level text. The purpose of this course is to give the students an analytical perspective on government and politics in the United States through the study of general concepts used to interpret and the analysis of specific examples. The major areas of study include: constitutional underpinning of the United States government; political beliefs and behaviors; political parties; interest groups and mass media; institutions of national government; public policy; and civil rights and civil liberties. The students will be required to evaluate general propositions about these areas of study and to analyze their political relationships between people and institutions using sustained written arguments. **AP students prepare to take the Advanced Placement Exam in May for possible college credit. This course is offered in the traditional classroom and through the Keller ISD Blended Learning program which allows students to complete some of the coursework off campus.**



Dual United States Government

TCC Government 2305

TEDS: 03330100



KISD: 4304

Credit: .5

Grade: 12

Required prerequisite: TCC Admission Standards

Students will receive both high school and college credit upon successful completion of the class. This is a college level class, which is designed for highly motivated students who are prepared to take a college course in high school. The course teaches United States constitutional and governmental systems. Students must purchase the books required for TCC – United States Government. Also, students must register and pay for the course through Tarrant County College.

Economics



TEDS: 03310300



KISD: 4302

Credit: .5

Grade: 12

Recommended prerequisite: None

Economics is the general study of the principles concerning the production, consumption and distribution of goods and services. Areas of study include free enterprise, consumer behavior, personal financial literacy, monetary policy and the Federal Reserve, fiscal policy and International trade. The student will be involved in the application of economic facts, models, theories and generalizations of selected topics for study. **This course is offered in the traditional classroom, online through the Keller ISD Virtual Learning program, and through the Keller ISD Blended Learning program which allows students to complete some of the coursework off campus.**

AP Macroeconomics



TEDS: A3310200



KISD: 4322

Credit: .5

Grade: 12

Recommended prerequisite: None

AP Macroeconomics is equivalent to an introductory college course in macroeconomics and is taught with a college level text. The purpose of AP Macroeconomics is to give students a thorough understanding of the principles of economics that apply to an economic system as a whole. This course places particular emphasis on the study of national income and price determination and develops students' familiarity with economic performance measures, economic growth, fluctuations of outputs and prices, money, monetary and fiscal policy and the global economy. **AP students prepare to take the Advanced Placement Exam in May for possible college credit. This course is offered in the traditional classroom and through the Keller ISD Blended Learning program which allows students to complete some of the coursework off campus.**

Dual Principles of Macroeconomics

TCC Principles of Macroeconomics 2301

TEDS: 03310300 ☒

KISD: 4332

Credit: .5

Grade: 12

Required prerequisite: TCC Admission Standards

Students will receive both high school and college credit upon successful completion of the class. This is a college level class, which is designed for the highly motivated students who are prepared to take a college course in high school. This course is taught with an emphasis on the U.S. economy, the economizing problem, demand-supply theory, national income accounting, business fluctuation, fiscal policy, and monetary policy. Students must purchase books required for Principles of Macroeconomics. Also, students must register and pay for the course through Tarrant County College.

AP Microeconomics

TEDS: A3310100 ☒

KISD: 4312

Credit: .5

Grade: 12

Recommended prerequisite: None

The AP Microeconomics is equivalent to an introductory college course in microeconomics and is taught with a college level text. The purpose of AP Microeconomics is to give students a thorough understanding of the principles of economics that apply to the functions of individual decision makers, both consumer and producers, within the larger economic system. It places primary emphasis on the nature and functions of product markets and includes the study of factor markets and the role of government in promoting greater efficiency and equity in the economy. The major areas of study include: basic economic concepts, the nature and functions of product markets, the theory of the firm, factor markets and efficiency, equity and the role of government. **AP students prepare to take the Advanced Placement Exam in May for possible college credit. This course is offered in the traditional classroom and through the Keller ISD Blended Learning program which allows students to complete some of the coursework off campus.**

AP Comparative Government and Politics

TEDS: A3330200 ☒

KISD: 4321

Credit: .5

Grade: 12

Recommended prerequisite: None

The AP Comparative Government and Politics is equivalent to an introductory college course in comparative government and is taught with a college level text. This course is an in-depth study of selected world governments. Emphasis will be placed on the assessment and understanding of the relationship between the sources of public authority and political power, society and politics, citizens and state as well as the political framework and political changes in nation-states. Both utopian and actual systems and concepts will be investigated, analyzed, and evaluated through detailed comparisons. A Special Topics class may be encouraged. **AP students prepare to take the Advanced Placement Exam in May for possible college credit.**

AP European History

TEDS: A3340200 ☒

KISD: 4503

Credit: 1

Grade: 11-12

Recommended prerequisite: None

AP European History is equivalent to an introductory college course in European History. European History AP is a study of European history from the High Renaissance (1450) to the recent past (1970). Emphasis will be placed on the investigation, understanding, and assessment of the principle themes in modern European history such as the intellectual, cultural, political, diplomatic, social, and economic developments. Analysis of historical evidence and expressing that understanding and analysis in writing will be required. **AP students prepare to take the Advanced Placement Exam in May for possible college credit.**

Psychology

TEDS: 03350100



KISD: 4402

Credit: .5

Grade: 11-12

Recommended prerequisite: None

Psychology gives students the opportunity to study individual and group psychology. Students learn how the knowledge, methods and theories of psychologists are applied to analyzing human behavior. Course content is organized to help students develop critical attitudes toward superficial generalization about human behavior and to achieve a better understanding of human behavior in general.

AP Psychology

TEDS: A3350100



KISD: 4404

Credit: 1

Grade: 11-12

Recommended prerequisite: None

AP Psychology is equivalent to an introductory college course in Psychology. The purpose of this class is to introduce students to the systematic and scientific study of the behavior of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the minor subfields within psychology. They also learn about the methods psychologists use in their science and practice. **AP students prepare to take the Advanced Placement Exam in May for possible college credit.**



Sociology

TEDS: 03370100



KISD: 4401

Credit: .5

Grade: 11-12

Recommended prerequisite: None

Sociology includes the nature of sociology, culture, socialization, groups, institutions, communication, and cultural development and change. The concepts will remain constant; however, the content may vary depending on the student interest. The student will have an opportunity to explore the major tools of the science of sociology. These will include, but are not limited to, analyzing types of groups and interaction among groups, understanding the impact of media on groups and analyzing the impact science and technology upon people and culture. **This course is available in a traditional classroom as well as online through the Keller ISD Virtual Learning Program.**



Ethnic Studies: Mexican American Studies

TEDS: 03380084

KISD: 6014

Credit: 1

Grade: 10-12

Recommended prerequisite: None

In Ethnic Studies: Mexican American Studies, an elective course, students learn about the history and cultural contributions of Mexican Americans. Students explore history and culture from an interdisciplinary perspective. The course emphasizes events in the 20th and 21st centuries, but students will also engage with events prior to the 20th century.



Personal Financial Literacy

TEDS: 03380082

KISD: 4504

Credit: .5

Grade: 10-12

Recommended prerequisite: None

Personal Financial Literacy will develop citizens who have the knowledge and skills to make sound, informed financial decisions that will allow them to lead financially secure lifestyles and understand personal financial responsibility. The knowledge gained in this course has far-reaching effects for students personally as well as the economy as a whole. When citizens make wise financial decisions, they gain opportunities to invest in themselves, build businesses, consume goods and services in a responsible way, and secure a future without depending on outside assistance. The economy benefits from the optimal use of resources, increased consumption, and strong local businesses. State and local governments benefit with steady revenue streams and reduced future obligations as our society ages. **This course is available in a traditional classroom as well as online through the Keller ISD Virtual Learning Program.**

Special Topics in Social Studies:

Hebrew Scriptures

TEDS: 03380052

KISD: 6050

Credit: .5

Grade: 9-12

Recommended prerequisite: None

This elective social studies course will follow federal law maintaining religious neutrality, and will consider the Hebrew scripture in a secular and academic context. Students will study biblical content and narratives that are prerequisites to understanding their impact on contemporary society and culture, including literature, art, music, tradition, morals, laws, history, and government. The course will be objective and academic in nature, requiring students to use their analytical abilities. It will compare religion and the history of religion for the purposes of literary and/or historical qualities.

Special Topics in Social Studies:

New Testament

TEDS: 03380062

KISD: 6070

Credit: .5

Grade: 9-12

Recommended prerequisite: None

This elective social studies course will follow federal law maintaining religious neutrality, and will consider the New Testament scripture in a secular and academic context. Students will study biblical content and narratives that are prerequisites to understanding their impact on contemporary society and culture, including literature, art, music, tradition, morals, laws, history, and government. The course will be objective and academic in nature, requiring students to use their analytical abilities. It will compare religion and the history of religion for the purposes of literary and/or historical qualities.



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Physical Education

Course Name	Credits	Grade Levels	Recommended Prerequisites
Adventures in Outdoor Education	1	9-12	None
Foundations of Personal Fitness	.5-1	9-12	None
Individual and Team Sports	.5-1	9-12	None
Partner in P.E.	1	9-12	None
Athletics			
BOYS		GIRLS	
Baseball	Soccer	Basketball	Swimming
Basketball	Swimming	Cross Country	Tennis
Cross Country	Tennis	Golf	Track
Football	Track	Gymnastics	Volleyball
Golf	Wrestling	Soccer	Wrestling
Gymnastics	*Off-Campus PE	Softball	*Off-Campus PE
Annual UIL physicals are required for all students participating in one or more sports.			
<p>Ninth Grade Athletics is the introduction of UIL Competition Athletics at the high school level. Our objectives are to teach the proper attitude, improve the athletic ability of each student and to use Athletics to enhance academics. Students in the class period work to become better people and athletes; and practice individual sport skills after school.</p> <p>Requirements to enroll: All necessary paperwork must be completed and turned in prior to end of school in the student's eighth grade year. Paperwork MUST have coach's signature.</p> <p><i>*Must receive district approval</i></p>			
Physical Education Substitutions			
Course Name	Credits	Grade Levels	Awarded
Band	1	9-12	Fall Semester Only
Cheerleading	1	9-12	Fall and Spring
Color guard	1	9-12	Fall and Spring
Dance I	1	9-12	Fall and Spring
Drill Team	1	9-12	Fall and Spring
ROTC I	1	9-12	Fall and Spring
Musical Theatre I	1	10-12	Fall and Spring
Technical Theatre II	1	10-12	Fall and Spring
Jazz Ensemble I (Show Choir)	1	9-12	Fall and Spring
<i>Students may receive up to 1 PE Substitution credit. It is awarded in the form of a P.</i>			

Athletics

TEDS: Various

KISD: Various

Credit: 1

Grade: 9-12

Recommended prerequisite: Approval from the coach of each sport

Athletics provide students with the opportunity to fine tune their athletic abilities and compete against students from other schools. Participation in athletics develops self-discipline, cooperation, leadership, responsibility, self-control and selflessness of participation in team sports. If approved, an annual physical examination is required before participating in any sport.

Cheerleading

TEDS: PES00013

KISD: 50201

Credit: 1 (Local)

Grade: 9-12

Recommended prerequisite: Selection by tryout

This course includes learning and practicing cheerleading skills and stunts for athletic events and training in various areas: rhythms, gymnastics, and tumbling. Students will receive one PE Substitution Credit for Cheerleading. All other credits awarded are local and do not count towards graduation.

Adventures in Outdoor Education

TEDS: PES00053

KISD: 50303

Credit: 1

Grade: 9-12

Recommended prerequisite: None

Outdoor education provides opportunity for enjoyment and challenge with emphasis upon a selection of activities that promote respect for the environment and can be enjoyed for a lifetime. Certifications may be earned in Hunters Education, Anglers Education, and Boaters Education for an extra fee.

Foundations of Personal Fitness

TEDS: PES00052

KISD: 50301

Credit: .5-1

Grade: 9-12

Recommended prerequisite: None

The purpose of this course is to motivate students to strive for lifetime personal fitness with an emphasis on the health-related components of physical fitness. The knowledge and skills taught in this course include teaching students about the process of becoming fit as well as achieving some degree of fitness within the class. The concept of wellness, or striving to reach optimal levels of health, is the cornerstone of this course and is exemplified by one of the course objectives – students designing their own personal fitness program.

Individual and Team Sports

TEDS: PES00055

KISD: 50304

Credit: .5-1

Grade: 9-12

Recommended prerequisite: None

Students in Individual Sports are expected to participate in a wide range of individual sports that can be pursued for a lifetime. The continued development of health-related fitness and the selection of individual sport activities that are enjoyable is a major objective of this course.



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Partner in PE

TEDS: PES00052 I **KISD:** 50305

TEDS: PES00055 II **KISD:** 50306

TEDS: PES00054 III **KISD:** 50307

Credit: 1

Grade: 9-12

Required prerequisite: Application

Partner in P.E. is a success oriented physical education course for students with special needs and peer partners. This course can be taken for physical education credit or as an elective. Partner in P.E. will enhance the existing academic schedule by offering a class that includes students with and without disabilities working together to encourage physical activity while developing respect for one another. This course promotes physical activity, acquisition of individual lifetime wellness skills, team sports, and recreational activities while fostering relationships and developing leadership skills in the peer partners. The goals of the Partner in P.E. course are (1) to meet the physical education requirement for the students with disabilities in an environment of support and partnership, to increase their social skills, create friendships, and build self-esteem, and (2) to meet the physical education requirement for the students without disabilities, to develop leadership skills, to learn to interact and develop respect and empathy for their peers with disabilities, and to understand from first-hand experience the expectations for careers working with individuals with special needs.



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21st Century Skill

Course Name	Credits	Grade Levels	Recommended Prerequisites
Professional Communications (also available online)	.5	9-12	None
Entrepreneurship (online)	1	9-12	None

Professional Communications

TEDS: 13009900

KISD: 1465

Credit: .5

Grade: 9-12

Recommended prerequisite: None

Professional Communications blends written, oral, and graphic communication in a career-based environment. Careers in the global economy require individuals to be creative and have a strong background in computer and technology applications, a strong and solid academic foundation, and a proficiency in professional oral and written communication. Within this text, students will be expected to develop and expand the ability to write, read, edit, speak, listen, apply software applications, manipulate computer graphics, and conduct Internet research. **This course is also available as an online course through the Keller ISD Virtual Learning program.**



Entrepreneurship

TEDS: 13034400

KISD: Z82503

Credit: 1

Grade: 9-12

Recommended prerequisite: None

Students will gain the knowledge and skills needed to become an entrepreneur. Students will learn the principles necessary to begin and operate a business. The primary focus of the course is to help students understand the process of analyzing a business opportunity, preparing a business plan, determining feasibility of an idea using research, and developing a plan to organize and promote the business and its products and services. In addition, students understand the capital required, the return on investment desired, and the potential for profit. **This course is only available as an online course through the Keller ISD Virtual Learning program.**



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Keller ISD Endorsements

Arts & Humanities*

- English
- Fine Arts
- Social Studies
- World Languages

Business & Industry

- Agriculture
- Architecture and Construction
- Arts, Audio Video Technology
- Business Communications*
- Business
- Finance
- Hospitality and Tourism
- Information Technology
- Marketing
- Transportation

Public Services

- Education and Training
- Health Science
- Human Services
- Law Enforcement and Security
- Military Science*

STEM

- Science*
- Technology
- Engineering
- Math*

Multidisciplinary

- Allows a student to select courses from the curriculum of each endorsement area and earn credits in a variety of advanced courses from multiple content areas or 4 credits of AP courses or 4 credits of Dual courses OR 4 Credits in each foundation subject area – must include English IV, Chem and/or Phys & KISD graduation requirements


- Denotes non-CTE pathways

Pathways at A Glance

<u>Arts & Humanities *</u>	<u>Business & Industry</u>	<u>Public Services</u>	<u>STEM</u>
<ul style="list-style-type: none"> • American Sign Language • Band • Choir • Creative Writing • Dance • French • German • History • Latin • Orchestra • Piano • Social Sciences • Spanish • Technical Theatre • Theatre Production • Visual Arts: Drawing • Visual Arts: Digital Media • Visual Arts: Painting • Visual Arts: Sculpture 	<ul style="list-style-type: none"> • Architectural Design • Automotive • Broadcast Journalism * • Business • Career Preparation • Construction Management • Culinary Arts • Debate * • Design & Multimedia Arts • Digital Communications • Fashion Design • Finance • Interior Design • Marketing • Networking Systems/Maintenance • Newspaper * • Veterinary Studies • Yearbook * 	<ul style="list-style-type: none"> • Cosmetology • Health Science: Biomedicine • Health Science: Certified Nursing Assistant • Health Science: Clinical Rotations • Health Science: Emergency Medical Technician • Health Science: Pharmacy • Health Science: Sports Medicine • Law Enforcement: Police • Legal Studies • Military Science (ROTC) * • Teaching and Training 	<ul style="list-style-type: none"> • Biology * • Chemistry * • Cybersecurity • Engineering • Environmental Science * • Math* • Physics * • Programming & Software Development • Space Science *
Multidisciplinary Studies			

*Denotes Non-CTE Pathways

Arts and Humanities

	Program of Study	9 th	10 th	11 th	12 th
	Creative Writing	English I Regular or Pre-AP 1 credit	English II Regular or Pre-AP 1 credit	English III Regular, Dual, or AP AND Creative Writing 2 credits	English IV Regular, Dual, or AP AND Adv. Creative Writing OR Literary Magazine 2 credits
English					

English I

TEDS: 03220100



KISD: 1003

Credit: 1

Grade: 9

Recommended prerequisite: None

English I is the foundation course designed for ninth grade students who demonstrate talent in verbal and/or writing skills. Rigorous instruction emphasizes sentence structure, paragraph development, and development of comprehensive papers of explication, personal narrative, opinion, and description. Composition practice is coordinated with guided reading of fiction, nonfiction, drama, and poetry. The course will focus on critical thinking skills, literary analysis, and development of writing styles.

English I Pre-AP

TEDS: 03220100



KISD: 1023

Credit: 1

Grade: 9

Recommended prerequisite: None

This course provides an in-depth study of the elements and genres of literature. Students produce a variety of original texts including documented research and literary analysis. They will also present oral communications using various forms and technologies. They analyze and critique their presentations and those of others emphasizing the purpose and effect of visuals on the audience. Students will focus on skills required for the Advanced Placement Exam.

Pre AP

English II

TEDS: 03220200



KISD: 1033

Credit: 1

Grade: 10

Recommended prerequisite: English I

English II is designed for tenth grade students. Intense instruction emphasizes sentence structure, paragraph development, and development of explication, personal narrative, opinion, and description. Composition practice is coordinated with guided reading of fiction, nonfiction, drama, and poetry. The course will focus on critical thinking skills, literary analysis, and development of writing styles. Each student will complete a research project.



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English II Pre-AP

TEDS: 03220200



KISD: 1053

PreAP

Credit: 1

Grade: 10

Recommended prerequisite: English I

English II Pre-AP includes advanced mechanics, syntax, usage, and vocabulary in preparation for the PSAT and Advanced Placement Exam. It continues work on critical thinking skills. Students analyze discourse in persuasive and informative texts as well as the short documented essay. Students will also write reflectively using personal narrative and memoir. The course requires critical reading of classical, Medieval, Renaissance, and contemporary literature with emphasis on the writer's style and purpose. Literary selections provide more mature reading experiences. Students will produce a variety of oral and media communications. They will analyze and evaluate their own and others' presentations in terms of the effect of media on American society. Students will also complete a research project.

English III

TEDS: 03220300



KISD: 1063

Credit: 1

Grade: 11

Recommended prerequisite: English II

English III is the third year of a required four-year study. It is a Recommended Prerequisite for English IV. Instruction emphasizes all aspects of American literature. Composition work continues with expository writing. Each student must complete a research project. **This course is offered in the traditional classroom and through the Keller ISD Blended Learning program which allows students to complete some of the coursework off campus.**

English III AP

TEDS: A3220100



KISD: 1083

AP

Credit: 1

Grade: 11

Recommended prerequisite: English II

AP Language and Composition emphasizes the analysis of a variety of literary and nonfiction texts with particular attention to the writer's style, diction, syntax, argumentation, and logic. Students reflect this analysis in compositions that use sophisticated syntax and vocabulary, effective use of proof, and control of the conventions of language. Emphasis is on wide reading and analytic response in timed essays in preparation for the Advanced Placement Exam in Language and Composition. Students enrolling in this class are expected to take the Advanced Placement Exam in May. A qualifying score on the AP test may enable students to be exempt from the composition class that many colleges require. **AP students prepare to take the Advanced Placement Exam in May for possible college credit. This course is offered in the traditional classroom and through the Keller ISD Blended Learning program which allows students to complete some of the coursework off campus.**

Dual English III

TCC English Composition 1301 & 1302

TEDS: 03220300



KISD: 1065

Credit: 1

Grade: 11

Required prerequisite: TCC Admission Standards

Students will receive both high school and college credit upon successful completion of the class. This is a college level class, which is designed for highly motivated students who are prepared to take a college course in high school. The course includes principles of composition and rhetorical skills necessary for clear, logical writing. Emphasis on writing as a process and an introduction to research will be covered. Students must purchase the books required for TCC – Composition I and II. Also, students must register and pay for the course through Tarrant County College.



English IV

TEDS: 03220400



KISD: 1093

Credit: 1

Grade: 12

Recommended prerequisite: English III

English IV is the final year of a required four-year study for the college bound student. Intense instruction emphasizes an in-depth study of British literature. Composition work continues with expository writing and argumentation. Each student must complete a senior research theme paper. **This course is offered in the traditional classroom, online through the Keller ISD Virtual Learning program, and through the Keller ISD Blended Learning program which allows students to complete some of the coursework off campus.**



English IV AP

TEDS: A3220200



KISD: 1113

Credit: 1

Grade: 12

Recommended prerequisite: English III

Using college level expectations, this course emphasizes wide reading and analysis of world literature including fiction, nonfiction, and poetry. Students analyze literary elements and writer's style related to purpose, audience, and theme. Literary analysis will also be a major focus of the composition strand. Students will use proof, advanced syntax, and vocabulary in compositions written on demand and using writing process. Students prepare to complete the Advanced Placement Exam in English Literature and Composition. **AP students prepare to take the Advanced Placement Exam in May for possible college credit. This course is offered in the traditional classroom and through the Keller ISD Blended Learning program which allows students to complete some of the coursework off campus.**



Dual English IV

TCC British Literature 2322 & 2323

TEDS: 03220400



KISD: 1103

Credit: 1

Grade: 12

Required prerequisite: TCC Admission Standards

Students will receive both high school and college credit upon successful completion of the class. This is a college level class, which is designed for highly motivated students who are prepared to take a college course in high school. The course includes principles of composition and rhetorical skills necessary for clear, logical writing. Emphasis on writing as a process and an introduction to research will be covered. Selected significant works of British literature will also be studied, and may include the study of movements, schools, or periods. Students must purchase the books required for Composition I and II and British Literature I and II. Also, students must register and pay for the course through Tarrant County College.



Creative Writing

TEDS: 03221200



KISD: 1163

Credit: 1

Grade: 10-12

Recommended prerequisite: English II

The study of creative writing allows high school students to earn one credit while developing versatility as a writer. Creative Writing, a rigorous composition course, asks high school students to demonstrate their skill in such forms of writing as fictional writing, short stories, poetry, and drama. All students are expected to demonstrate an understanding of the recursive nature of the writing process, effectively applying the conventions of usage and the mechanics of written English. The students' evaluation of their own writing as well as the writing of others ensures that students completing this course are able to analyze and discuss published and unpublished pieces of writing, develop peer and self-assessments for effective writing, and set their own goals as writers.

KISD: 1164

Credit: 1

Grade: 11-12

Recommended prerequisite: Creative Writing

The study of creative writing allows high school students to earn one credit while developing versatility as a writer. Creative Writing, a rigorous composition course, asks high school students to demonstrate their skill in such forms of writing as fictional writing, short stories, poetry, and drama. All students are expected to demonstrate an understanding of the recursive nature of the writing process, effectively applying the conventions of usage and the mechanics of written English. The students' evaluation of their own writing as well as the writing of others ensures that students completing this course are able to analyze and discuss published and unpublished pieces of writing, develop peer and self-assessments for effective writing, and set their own goals as writers.

Advanced Journalism:

Literary Magazine

TEDS: 03230170

KISD: 13631

Credit: 1

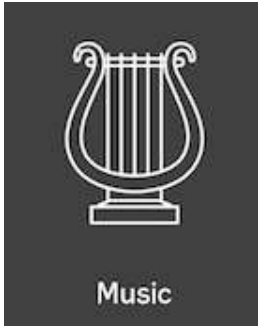

Grade: 12

Recommended prerequisite: Creative Writing

Students enrolled in Advanced Journalism: Literary Magazine communicates in a variety of forms such as print, digital, or online media for a variety of audiences and purposes. High school students are expected to plan, draft, and complete written and/or visual communications on a regular basis, carefully examining their copy for clarity, engaging language, and the correct use of the conventions and mechanics of written English. In Advanced Journalism: Literary Magazine, students are expected to become analytical consumers of media and technology to enhance their communication skills. In addition, students will apply journalistic ethics and standards. Published works of professional journalists, technology, and visual and electronic media are used as tools for learning as students create, clarify, critique, write, and produce effective communications. Students enrolled in Advanced Journalism: Literary Magazine will refine and enhance their journalistic skills, research self-selected topics, and plan, organize, and prepare a project(s) in one or more forms of media.



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	Program of Study	9 th	10 th	11 th	12 th
	Choir	Choir I 1 credit	Choir II 1 credit	Choir III 1 credit	Choir IV 1 credit
	Band	Band I 1 credit	Band II 1 credit	Band III 1 credit	Band IV 1 credit
	Orchestra	Orchestra I 1 credit	Orchestra II 1 credit	Orchestra III 1 credit	Orchestra IV 1 credit
	Piano	Piano I 1 credit	Piano II 1 Credit	Piano III 1 credit	Piano IV 1 credit
	Dance	Dance I 1 credit	Dance II 1 credit	Dance III 1 credit	Dance IV 1 credit

CHORAL MUSIC

Choir I

TEDS: 03150900

KISD: 7601

Credit: 1

Grade: 9-12

Recommended prerequisite: None

Choir I is a training choir for students with little or no choral experience. Basics of choral singing, basic theory, and music fundamentals will be studied. Students will be encouraged to participate in auditions and the Keller ISD District Solo Contest. Concert performances are required.

Choir II

TEDS: 03151000

KISD: 7602

Credit: 1

Grade: 10-12

Recommended prerequisite: Audition

Choir II is designed for students who have previous experience in choral music. Students must have basic sight singing skills. Repertoire includes: traditional choral music and lighter musical pieces. Students will study vocal/choral techniques, music theory, sight singing, and small ensemble singing. Students will be encouraged to participate in auditions and the Keller ISD District Solo Contest. Concert performances are required.

Choir III

TEDS: 03151100

KISD: 7603

Credit: 1

Grade: 11-12

Recommended prerequisite: Audition

Choir III is designed for students who have previous experience in choral music. Students must have advanced sight-singing skills. Repertoire includes traditional choral music and music of all style periods and genres. Students will study vocal/choral techniques, music theory, advanced sight singing, and music history. Students will audition for the all-state choir and participate the Keller ISD District Solo Contest. Concert performances are required.

Choir IV

TEDS: 03151200

KISD: 7604

Credit: 1

Grade: 12

Recommended prerequisite: Audition

Choir IV is designed for students who have prior experience in choral music. Repertoire includes a variety of traditional choral music and genres. Students will study vocal/choral techniques, music theory, advanced sight singing, and small ensemble singing. Students will audition for the all-state choir and participate in the Keller ISD District Solo Contest. Concert performances are required.



Music I-IV

Jazz Ensemble

TEDS: 03151300

I

KISD: Various

TEDS: 03151400

II

TEDS: 03151500

III

TEDS: 03151600

IV

Credit: 1

Grade: 9-12

Required prerequisite: Concurrent enrollment in a choir course and audition

This auditioned course is dedicated to the campus Show Choir. Its students are the ambassadors of the High School Choir Program and regularly perform off-campus at various community functions. Students must be able to dance and sing. **This class can only be taken in conjunction with a current choir course.** If a student does not meet the standards to be in Choir, they would be unable to perform at the ability needed to participate in the Jazz Ensemble class. Students will receive a 1 credit PE substitution for Jazz Ensemble I in the form of a "P" on the transcript.

Music I-IV

Vocal Ensemble

TEDS: 03152100

I

KISD: Various

TEDS: 03152200

II

TEDS: 03152300

III

TEDS: 03152400

IV

Credit: 1

Grade: 9-12

Required prerequisite: Concurrent enrollment in a choir course and audition

This class is designed for those students whose knowledge of music has reached beyond the expectations of a high school student. **This class can only be taken in conjunction with a current choir course.** If a student does not meet the standards to be in Choir, they would be unable to perform at the ability needed to participate in the Vocal Ensemble class. Materials covered in this class include, but are not limited to: advanced harmonies, advanced rhythms, and advanced techniques consistent with pedagogy classes offered by college level courses.

INSTRUMENTAL MUSIC

Band I

TEDS: 03150100

KISD: 7001

Credit: 1

Grade: 9-12

Recommended prerequisite: Audition

The campus band is designed as an introductory class to basic skills in band. This class will focus on each student's individual playing skills. Students will receive an extremely high amount of individualized attention to focus on skills necessary for success in high school band. Students are also required to enroll in band for the full school year and participate in all extracurricular activities related to the marching band.

Band II

TEDS: 03150200

KISD: 7002

Credit: 1

Grade: 10-12

Recommended prerequisite: Audition

Band II is a preparatory group that focuses on refining individual skills necessary for the student to be successful both musically and technically in the wind ensemble. Students are encouraged to participate in all-region auditions in the fall and region solo and ensemble competition in the spring. There are several additional performance opportunities, both individually and collectively in which the students will be encouraged to participate. Students are also required to enroll in band for the full school year and participate in all extracurricular activities related to the marching band.

Band III

TEDS: 03150300

KISD: 7003

Credit: 1

Grade: 11-12

Recommended prerequisite: Audition

Band III is designed as an upper level high school band. The primary focus is on individual skills that will be necessary for the student's success in any ensemble. Students are encouraged to participate in all-region auditions in the fall and region solo and ensemble competition in the spring. There are several other performance opportunities, both individually and collectively in which the students will be allowed to participate. Students are also required to enroll in band for the full school year and participate in all extracurricular activities related to the marching band.

Band IV

TEDS: 03150400

KISD: 7004

Credit: 1

Grade: 12

Recommended prerequisite: Audition

Band IV is the top-performing group at the high school. This ensemble delves into the finer points of ensemble playing and individual performance. An extremely high level of proficiency on the student's instrument is required. Students are required to participate in all-region auditions in the fall and region solo and ensemble competition in the spring. There are several additional performance opportunities, both individually and collectively in which the student will be required to participate. Students are also required to enroll in band for the full school year and participate in all extracurricular activities related to the marching band.

Colorguard I-IV

TEDS: 03150100

I

KISD: 7101

TEDS: 03150200

II

KISD: 7102

TEDS: 03150300

III

KISD: 7103

TEDS: 03150400

IV

KISD: 7104

Credit: 1

Grade: 9-12

Required prerequisite: Audition; previous dance experience is helpful, but not required

Students must audition to be accepted in color guard. This course deals with learning the basics of color guard performance (flag techniques, body movement, and performance skills). This is one of the many sections that make up the marching band that will perform at football games, marching contests, parades, and pep rallies. By taking this course, the student understands that they must attend all rehearsals, performances, and contests that take place outside the school day (regardless of placement). In addition, members will need to attend camps and other rehearsals that may take place during school vacations. After marching season students will participate in winter guard season, learning more comprehensive, in-depth skills while performing indoors. Students will audition for one of several ability-based winter guard groups at the end of the fall semester.

Music I-IV

Applied Music

TEDS: 03152500 I **KISD:** Various

TEDS: 03152600 II

TEDS: 03152601 III

TEDS: 03152602 IV

Credit: 1

Grade: 9-12

Required prerequisite: Concurrent enrollment in a band course and audition

This class is designed for those students with a need for a deeper knowledge of instrumental music. This course is designed to cater specifically to individual student needs. The course covers a wide range of topics including, but not limited to: individual performance, introduction to music theory, and small ensemble playing. Students from all abilities and band classes are encouraged to join. **This class can only be taken in conjunction with a current Band course.**

Jazz I-IV

Jazz Improv

TEDS: 03153000 I **KISD:** Various

TEDS: 03153100 II

TEDS: 03153200 III

TEDS: 03153300 IV

Credit: 1

Grade: 9-12

Required prerequisite: Concurrent enrollment in a band course and audition

This course is designed to offer student exposure to a variety of jazz styles through the rehearsal and performance of classical literature as well as the most current writing for jazz ensembles. The course will train students in areas such as: aural skills, chord analysis, improvisation, jazz history, and small combo playing. **This class can only be taken in conjunction with a current Band course.**



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AP Music Theory

AP

TEDS: A3150200

KISD: 7153

Credit: 1

Grade: 11-12

Recommended prerequisite: Strong background in music theory and concurrent enrollment in band or choir

This course requires a background in music theory as well as a familiarity with reading music. This course prepares students for college-level music theory and is designed for students who are going to major or minor in some sort of music study in college. This course will provide skills necessary to thrive in music theory at the college level such as: learning about major or minor scales, modes, intervals, chord progressions, and part-writing. This course will also cover aural skills such as: melodic dictation, music history, aural identification of intervals and chords, and error detection. The culmination of the course will be a composition project for voices or instruments. **Students enrolling in this class are expected to take the Advanced Placement Exam in May for possible college credit.**

Orchestra I-IV

TEDS: 03150500 I **KISD:** 7091

TEDS: 03150600 II **KISD:** 7092

TEDS: 03150700 III **KISD:** 7094

TEDS: 03150800 IV **KISD:** 7095

Credit: 1

Grade: 9-12

Required prerequisite: None

Orchestra is designed to train the intermediate and advanced string player in proper performance and rehearsal techniques, and to develop their potential through rehearsal and performance opportunities. Instrumental technique, history, and theory concepts are discussed and applied through the study and performance of appropriate literature. The student will develop self-discipline, responsibility, confidence, poise, the ability to work with others, and a sense of pride, as they rehearse and perform with the ensemble.

Piano I-IV

TEDS: 03154200	I	KISD: 7163
TEDS: 03154300	II	KISD: 7173
TEDS: 03154400	III	KISD: 7183
TEDS: 03154500	IV	KISD: 7193

Credit: 1

Grade: 9-12

Required prerequisite: None

This piano class is a goal driven and independently paced class. The students are to be self-motivated and to constantly strive to understand and better their individual piano abilities. This class is for beginners and experienced pianists. Prior piano lessons are not required.

DANCE

Dance I

TEDS: 03830100 **KISD:** 73001

Credit: 1

Grade: 9-12

Recommended prerequisite: None

Dance I is a broad overview of dance as an art form. This course introduces students to practices, philosophies, terminologies and various styles of dance through movement. Students will study basic choreographic elements and principles and will have the opportunity to perform.

Partner in Dance I

TEDS: 03830100 **KISD:** 73000

Credit: 1

Grade: 9-12

Recommended prerequisite: None

Partner in Dance I is a success oriented dance art form course for students with special learning needs and peer partners. This course can be taken for a fine arts credit or as an elective. Partner in Dance I is focused on building community, mentorships, and artistic skills for students with and without disabilities. This class will explore the elements and principles of dance.

Dance II

TEDS: 03830200 **KISD:** 73002

Credit: 1

Grade: 10-12

Recommended prerequisite: Dance I

Dance II is the study of dance as an art form. This course refines and reinforces the skills acquired in Dance I and familiarizes the student with practices, philosophies, terminologies and various styles of dance with a concentration of more complex movement phrases. Students will construct dance compositions and have the opportunity to perform.

Dance III

TEDS: 03830300 **KISD:** 73003

Credit: 1

Grade: 11-12

Recommended prerequisite: Dance II

Dance III is the intermediate to advanced study of dance as an art form. This course refines and reinforces the skills acquired in previous dance courses. Dance III will have an emphasis on creating dance studies for production, managing and performing in a dance production.

Dance IV

TEDS: 03830400 **KISD:** 73004

Credit: 1

Grade: 12

Recommended prerequisite: Dance III

Dance IV is the advanced study of dance as an art form. This course refines and reinforces the skills acquired in previous dance courses. Dance IV will have a concentration on creating original dances using choreographic processes and exploring opportunities in dance as a profession.

Jazz I/Drill Team Prep


TEDS: 03831300 **KISD:** 73100

Credit: 1

Grade: 9-11

Recommended prerequisite: Audition or teacher recommendation

This course provides students with a foundation in jazz technique which is critical to becoming a successful drill team dancer. It includes dance practices, philosophies, terminologies, and various styles of dance commonly found on drill teams. Students will also have the opportunity to practice audition skills and be provided with performance opportunities.

	Program of Study	9 th	10 th	11 th	12 th
	Technical Theatre	Theatre I 1 credit	Technical Theatre I 1 credit	Technical Theatre II AND one additional credit below: <ul style="list-style-type: none"> Acting Styles: Classical Acting Styles: Realism Acting Styles: Improvisation Movement for the Actor Musical Theatre I Musical Theatre II Theatre III: Directing I Theatre III: Playwriting I 	Technical Theatre III AND one additional credit below: <ul style="list-style-type: none"> Acting Styles: Classical Acting Styles: Realism Acting Styles: Improvisation Movement for the Actor Musical Theatre I Musical Theatre II Theatre III: Directing I Theatre III: Playwriting I
	Theatre Production	Theatre I 1 credit	Theatre Production I OR Theatre II 1 credit	Theatre Production II OR Theatre III AND one additional credit below: <ul style="list-style-type: none"> Acting Styles: Classical Acting Styles: Realism Acting Styles: Improvisation Movement for the Actor Musical Theatre I Musical Theatre II Theatre III: Directing I Theatre III: Playwriting I 	Theatre Production III OR Theatre IV AND one additional credit below: <ul style="list-style-type: none"> Acting Styles: Classical Acting Styles: Realism Acting Styles: Improvisation Movement for the Actor Musical Theatre I Musical Theatre II Theatre III: Directing I Theatre III: Playwriting I

THEATRE ARTS

Theatre Arts I

TEDS: 03250100

KISD: 7703

Credit: 1

Grade: 9-12

Recommended prerequisite: None

Introduction to Theatre: basic acting technique, history of the Theatre, introduction to technical Theatre, voice, diction, and articulation for the stage. This course also covers basic costuming, make-up, career opportunities, and audience etiquette.

Partner in Theatre Arts I

TEDS: 03250100

KISD: 7704

Credit: 1

Grade: 9-12

Recommended prerequisite: Application

Partner in Theatre Arts I is a success-oriented theatre course for students with special learning needs and peer partners. This course can be taken for a fine arts credit or as an elective. Partner in Theatre Arts I is focused on building community, mentorships, and theatrical skills for students with and without disabilities. The course will cover basic acting technique, history of the Theatre, introduction to technical Theatre, voice, diction, and audience etiquette.

Theatre Arts II

TEDS: 03250200

KISD: 7713

Credit: 1

Grade: 10-12

Recommended prerequisite: Theatre Arts I

This course covers various acting styles, production techniques, introduction to design, children's Theatre, introduction to dance, make-up and costuming, and public performance.

Theatre Arts III

TEDS: 03250300

KISD: 7723

Credit: 1

Grade: 10-12

Recommended prerequisite: Theatre Arts II and/or teacher approval

This course covers advanced elements of Theatre, advanced acting, critiques, and evaluations, public performance including individual and group efforts, elements of rehearsals, auditioning, and playwriting. Participation in extra-curricular competitions, performance, and productions is strongly encouraged.

Theatre Arts IV

TEDS: 03250400

KISD: 7733

Credit: 1

Grade: 12

Recommended prerequisite: Theatre Arts III and/or teacher approval

This course allows the advanced student of Theatre to specialize in Theatre elements. An advanced demonstration of all Theatre aspects is expected. Participation in extra-curricular competitions, performances or productions is required.

Technical Theatre I

TEDS: 03250500

KISD: 7743

Credit: 1

Grade: 9-12

Recommended prerequisite: None

This course is created for the student who wishes to examine the technical aspects of the theatre. Students will learn how to design and build sets, create costumes and make-up, uses of lightening, sound, rigging, general upkeep of equipment and facilities, participate in theatrical house management, analyze scripts for technical needs, and use and upkeep of theatrical tools.

Technical Theatre II

TEDS: 03250600

KISD: 7753

Credit: 1

Grade: 10-12

Recommended prerequisite: Technical Theatre I

This course combines theories of design and stagecraft techniques with the construction and operation of the various elements of technical Theatre. Students will be expected to participate in all behind-the-scenes action of productions. Students will receive a 1 credit PE substitution for this course in the form of a "P" on the transcript.

Technical Theatre III

TEDS: 03251100

KISD: 7763

Credit: 1

Grade: 11-12

Recommended prerequisite: Technical Theatre II

This course combines theories of design and stagecraft techniques with the construction and operation of various elements of the technical Theatre facility. Students are required to participate in all productions.

Technical Theatre IV

TEDS: 03251200

KISD: 7773

Credit: 1

Grade: 12

Recommended prerequisite: Technical Theatre III and teacher approval

This course combines theories of design and stagecraft techniques with the construction and operation of various elements of the Theatre facility. Students are required to participate in all productions.



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Theatre Production I-IV

TEDS: 03250700

I

KISD: 7783

TEDS: 03250800

II

KISD: 7793

TEDS: 03250900

III

KISD: 7803

TEDS: 03251000

IV

KISD: 7813

Credit: 1

Grade: 9-12

Required prerequisite: Theatre Arts I and audition

This course provides practical hands-on experience in acting and stagecraft through the preparation and public performance of plays. This course may meet for a lengthened class period or outside of the regular school hours. Participation in public performance is required. Enrollment is by audition only.

Musical Theatre I-IV

TEDS: 03251900

I

KISD: 79010

TEDS: 03252000

II

KISD: 79020

TEDS: 03252100

III

KISD: 79030

TEDS: 03252200

IV

KISD: 79040

Credit: 1

Grade: 9-12

Required prerequisite: Theatre Arts I and teacher approval

Musical Theatre will expose students to a wide range of on-stage performance disciplines, including acting performance, vocal performance, and dance performance. The course will also provide an atmosphere in which students benefit from a teaching and learning experience in these performance disciplines of musical theatre. Students will receive comprehensive and rigorous instruction so that they may make informed choices about the craft, college, and the profession. The course will enhance and cultivate the creative gifts of each student while encouraging a sense of self-confidence. The course will enable students to study and perform the varied styles of musical theatre with special attention to the principles of stage movement, stage vocal technique, stage choreography, acting, characterization, and other aspects of a musical production. Students will receive a 1 credit PE substitution for level I of this course in the form of a "P" on the transcript.

Movement for the Actor

TEDS: N1170118

KISD: 79210

Credit: 1

Grade: 10-12

Recommended prerequisite: Theatre Arts I and teacher approval

This course is available once Theatre Arts I has been completed. It is designed to employ state movements to express thoughts, feelings, and actions in order to analyze and describe the correlation of all physical elements used on stage.

Acting Styles: Classical

TEDS: N1170124

KISD: 79310

Credit: 1

Grade: 11-12

Recommended prerequisite: Theatre Arts I and teacher approval

This is an advanced course available once Theatre Arts I has been completed. Students will study Greek Theatre, Commedia, dell'Arte, Shakespearean plays, the Restoration, and Melodrama.

Acting Styles: Realism

TEDS: N1170125

KISD: 79311

Credit: 1

Grade: 11-12

Recommended prerequisite: Theatre Arts I and teacher approval

This advanced course is available once Theatre Arts I has been completed. Students study text from the 1890's to present and learn acting elements of theatrical realism, Theatre of Absurd, and the modern theatre.

Acting Styles: Improvisation

TEDS: N1170126

KISD: 79312

Credit: 1

Grade: 10-12

Recommended prerequisite: Theatre Arts I and teacher approval

This course is available once Theatre Arts I has been completed. The students will study basic elements of improvisational acting and theatre. This course challenges students to use character development and expand their creative processes.

Theatre III: Directing

TEDS: 03251700

KISD: 79401

Credit: 1

Grade: 10-12

Recommended prerequisite: Theatre Arts I and teacher approval

This advanced course is available once Theatre Art I has been completed. Students are given the opportunity to enhance their ability to communicate with actors. Students explore the basic techniques of blocking with emphasis on the problems and aesthetic questions that arise.

Theatre III: Introduction to Playwriting

TEDS: 03251500

KISD: 79402

Credit: 1


Grade: 9-12

Recommended prerequisite: None

This is a course available once Theatre Arts has been completed. The primary goal of the course is to encourage students to write quickly, fluidly and fearlessly. There will be emphasis on experimentation and process.



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	Program of Study	9 th	10 th	11 th	12 th
 Visual Arts	Drawing	Art I 1 credit	Art II Drawing Regular or Pre-AP 1 credit	Art III Drawing Pre-AP 1 credit	AP Studio Art: Drawing Portfolio 1 credit
	Digital Media	Art I 1 credit	Art II Digital Art and Media Pre-AP 1 credit	Art III Digital Art and Media Pre-AP 1 credit	AP Studio Art: 3-D Design Portfolio 1 credit
	Painting	Art I 1 credit	Art II Painting Pre-AP 1 credit	Art III Painting Pre-AP 1 credit	AP Studio Art: 2-D Design Portfolio 1 credit
	Sculpture	Art I 1 credit	Art II Sculpture Pre-AP 1 credit	Art III Sculpture Pre-AP 1 credit	AP Studio Art: 3-D Design Portfolio 1 credit

VISUAL ARTS

Art I

TEDS: 03500100

KISD: 7403

Credit: 1

Grade: 9-12

Recommended prerequisite: None

This comprehensive study stresses the elements and principles of art and their uses in two and three-dimensional art. Various media and art forms are used to gain understanding of the basics. This course is the Recommended Prerequisite for all specialized classes.

Partner in Art I

TEDS: 03500100

KISD: 7404

Credit: 1

Grade: 9-12

Recommended prerequisite: None

Partner in Art I is a success oriented visual arts course for students with special learning needs and peer partners. This course can be taken for a fine arts credit or as an elective. Partner in Art I is focused on building community, mentorships and artistic skills for students with and without disabilities. This class will explore the elements and principles of art and their uses in two and three-dimensional art. Various media and art forms are used to gain understanding of the basics.

Art I Pre-AP



TEDS: 03500100

KISD: 7413

Credit: 1

Grade: 9-11

Recommended prerequisite: None

This comprehensive study stresses the elements and principles of art and their uses in two and three-dimensional art. Using various media and art forms, emphasis will be given to drawing. This course is a Recommended Prerequisite for Art II Pre-AP.

Art II Drawing

TEDS: 03500500

KISD: 7423

Credit: 1

Grade: 10-12

Recommended prerequisite: Art I

Drawing II is a comprehensive study that stresses visual awareness, drawing techniques, and media experimentation. This course stresses the traditional techniques and expands into more contemporary methods of creative expression through drawing.

Art II Drawing Pre-AP



TEDS: 03500500

KISD: 7425

Credit: 1

Grade: 10-12

Recommended prerequisite: Art I

Drawing Pre-AP II is a comprehensive study of drawing that stresses the elements of art and their uses in two-dimensional art. It will deal with visual awareness, drawing techniques (traditional and non-traditional). This course is a Recommended Prerequisite for the AP Drawing and 2-D Design Portfolio. Students will gain experience with a variety of media and techniques. This course will include study of art and artists and vocabulary related to media and techniques.

Art II Digital Art and Media Pre-AP



TEDS: 03501220

KISD: 7472

Credit: 1

Grade: 10-12

Recommended prerequisite: Art I

Electronic Media emphasizes the elements and principles of art through traditional art projects competed via the computer. This course will be designated to include basic computer skills required for digital art software program utilized in the course.

Art II Painting Pre-AP



TEDS: 03500600

KISD: 7427

Credit: 1

Grade: 10-12

Recommended prerequisite: Art I

Pre-AP Painting II is a comprehensive study of painting that stresses the elements and principles of art. The class will deal with visual awareness, painting techniques (traditional and non-traditional). Students will study a variety of art and artists and will participate in class critiques of student work and the work of master artists.

Art II Sculpture Pre-AP



TEDS: 03501000

KISD: 7463

Credit: 1

Grade: 10-12

Recommended prerequisite: Art I

Sculpture II includes objective and non-objective three-dimensional assignments. Construction skills and classical techniques are an integral part of each assignment. Students will use various mediums including wood and clay.

Art III Drawing Pre-AP



TEDS: 03501300


KISD: 7496

Credit: 1


Grade: 11-12

Recommended prerequisite: Art II


Drawing Pre-AP III is a comprehensive study of drawing for advanced students seeking to develop ideas on a concentrated subject or theme. This course continues to stress the elements of art and their uses in two-dimensional art. It will deal with visual awareness, drawing techniques (traditional and non-traditional). The course will allow students more time to develop the breadth of college level artwork for the AP Drawing and 2-D Design Portfolio. Students will gain experience with a variety of media and techniques. Course will include study of art and artists and vocabulary related to media and techniques.

Art III Digital Art and Media Pre-AP 
TEDS: 03502220 **KISD:** 7473
Credit: 1
Grade: 11-12
Recommended prerequisite: Art II


Art III Electronic Media Pre-AP is a course to expand Art II Electronic Media and the broad interpretation of two-dimensional design issues. This course is intended to expand design skills that could be used to help develop an AP 2-D Design Portfolio. Students are asked to demonstrate higher-level proficiency in two-dimensional design using a variety of art forms and digital art software programs.

Art III Painting Pre-AP 
TEDS: 03501400 **KISD:** 7481
Credit: 1
Grade: 11-12
Recommended prerequisite: Art II


Painting Pre-AP III is a comprehensive study of painting for advanced students seeking to develop ideas on a concentrated subject or theme. This course continues to stress the elements of art and their uses in two-dimensional art. It will deal with visual awareness and painting techniques (traditional and non-traditional). The course will allow students more time to develop the breadth of college level artworks for the AP Art 2-D Design Portfolio. Students will gain experience with a variety of media and techniques. Course will include study of art and artists and vocabulary related to media and techniques.

Art III Sculpture Pre-AP 
TEDS: 03501900 **KISD:** 7490
Credit: 1
Grade: 11-12
Recommended prerequisite: Art II


This advanced course is devoted to deliberate and systematic presentation of various three-dimensional art processes, procedures, theories, and historical developments to provide a basis for students interested in building a three-dimensional design portfolio. The approach to art experiences during this time is experimental in terms of materials, but structured in terms of providing art students a strong foundation in concepts. Students will increase skills in using line, space, texture, color, form, and shape while manipulating the mediums of paper, wire, clay, plaster, cardboard, wood, etc.

AP Art History 
TEDS: A3500100 **KISD:** 7543
Credit: 1
Grade: 10-12
Recommended prerequisite: None

Advanced Placement Art History is the equivalent to an introductory course in university level art history. An exam will be administered and assessed by the College Board in May. Many colleges and universities offer advanced placement and/or credit to students who have performed successfully on the AP Art History Exam. **AP students prepare to take the Advanced Placement Exam in May for possible college credit. This course is also available online at Central High School.**

AP Studio Art: Drawing Portfolio 
TEDS: A3500300 **KISD:** 7553
Credit: 1
Grade: 10-12
Recommended prerequisite: Art II

The Drawing Portfolio is designed to address a very broad interpretation of drawing issues. Many types of painting, printmaking, and studies of sculpture, as well as abstract and observational works, would qualify as addressing drawing issues. **AP students prepare to take the Advanced Placement Exam in May for possible college credit.**

AP Studio Art: Two-Dimensional Design Portfolio 
TEDS: A3500400 **KISD:** 7523
Credit: 1
Grade: 10-12
Recommended prerequisite: Art II

This portfolio is intended to address a very broad interpretation of two-dimensional design issues. Students are asked to demonstrate proficiency in two-dimensional design issues using a variety of art forms that may include, but are not limited to: graphic design, typography, digital imaging, photography, collage, fabric design, weaving, illustration, painting, and printmaking. **AP students prepare to take the Advanced Placement Exam in May for possible college credit.**

AP Studio Art: Three-Dimensional Design Portfolio

AP

TEDS: A3500500

KISD: 7533

Credit: 1


Grade: 10-12

Recommended prerequisite: Art II

The three-dimensional portfolio class is designed to address a very broad interpretation of three-dimensional design issues. Students are asked to prepare a collection of works which demonstrate proficiency in the three-dimensional design techniques that may include, but are not limited to: ceramics, metal work, wood work, textiles, paper craft, and installation **AP students prepare to take the Advanced Placement Exam in May for possible college credit.**



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	Program of Study	9 th	10 th	11 th	12 th
	History	World Geography Regular or Pre-AP 1 credit	World History Regular or AP 1 credit	US History Regular, Dual, or AP AND AP European History 2 credits	Government AND Economics Regular, Dual, or AP 1 credit
	Social Sciences	World Geography Regular or Pre-AP OR AP Human Geography 1 credit	World History Regular or AP 1 credit	US History Regular, Dual, or AP AND AP Psychology 2 credits	Government AND Economics Regular, Dual, or AP 1 credit

World Geography

TEDS: 03320100 ☒

KISD: 4203

Credit: 1

Grade: 9

Recommended prerequisite: None

Integrating the eight strands of the Texas Essential Knowledge and Skills for social studies, students examine people, places, and environments at local, regional, national, and international scales from the spatial and ecological perspectives of geography. Students describe the influence of geography on events of the past and present. A significant portion of the course centers around the physical processes that shape patterns in the physical environment; the characteristics of major land forms, climates, and ecosystems and their interrelationships; the political, economics, and social processes that shape cultural patterns of regions; types and patterns of settlement; the distribution and movement of world population; relationships among people, places, and environments; and the concept of region. Students compare how components of culture shape the characteristics of regions and analyze the impact of technology and human modifications on the physical environment. Students use problem solving and decision-making skills to ask and answer geographic questions.

World Geography Pre-AP

TEDS: 03320100 ☒

PreAP
KISD: 4223

Credit: 1

Grade: 9

Recommended prerequisite: None

Pre-AP World Geography is designed for mastery of the Texas Essential Knowledge and Skills as well extension beyond this mastery. In this course, critical thinking and analytical skills will be utilized in various projects including interpretation of primary and secondary source materials. Students will use their knowledge of spatial relationships, systematic physical and human processes and the interaction between people and their environment to make intelligent decisions as citizens.



AP Human Geography

AP

TEDS: A3360100 ☒

KISD: 4501

Credit: 1

Grade: 9-12

Recommended prerequisite: None

The purpose of the AP Human Geography course is to introduce students to the systematic study of patterns and processes that have shaped human understanding, use and alterations of the earth's surface. Students employ spatial concepts and landscape analysis to examine human social organization and its environmental consequences. They also learn about the methods and tools geographers use in their science and practice. AP Human Geography can be substituted for World Geography. **AP students prepare to take the Advanced Placement Exam in May for possible college credit.**

World History

TEDS: 03340400 ☒

KISD: 4103

Credit: 1

Grade: 10

Recommended prerequisite: None

World History is a global study of man's achievements from the beginning of prehistoric times to the present. Special emphasis is given to cultural patterns that have resulted from the interrelationships of geographic, social, economic, and political factors.

AP World History

AP

TEDS: A3370100 ☒

KISD: 4123

Credit: 1

Grade: 10

Recommended prerequisite: None

The AP World History is equivalent to an introductory college course in world history and is taught with a college level text. The purpose of this course is to develop a greater understanding of the development of world societies as they develop and interact through the ages. Emphasis will be placed on a combination of selective factual knowledge and appropriate analytical skills. There will be a focus on a variety of themes that collectively describe the human experience and issues of social structure and conditions of men and women. Studies will include routes of exchange and basic economic, political and social systems. A Special Topics class may be encouraged. **AP students prepare to take the Advanced Placement Exam in May for possible college credit.**

United States History

TEDS: 03340100 ☒

KISD: 4003

Credit: 1

Grade: 11

Recommended prerequisite: None

United States History is a study of the political, social, and economic events from Reconstruction 1877 to the present. Emphasis will be placed on significant individuals, issues, ideas and events that affect our country's history, present and future. In addition, students will learn how geography influences historical developments, economic development and growth; understand the nation's social, cultural and political development as the United States emerged as a world power and the relationship of the United States to the other nations of the world. **This course is offered in the traditional classroom and through the Keller ISD Blended Learning program which allows students to complete some of the coursework off campus.**

AP United States History

AP

TEDS: A3340100 ☒

KISD: 4023

Credit: 1

Grade: 11

Recommended prerequisite: None

The Advanced Placement United States History course is equivalent to an introductory course in United States History and is taught with a college level text. The purpose of this course is to develop a greater understanding of the development of United States through analytical skills and factual knowledge of the time period. Emphasis will be placed on assessment of historical materials and its relevance to given interpretive problems. A Special Topics class may be encouraged. **AP students prepare to take the Advanced Placement Exam in May for possible college credit. This course is offered in the traditional classroom and through the Keller ISD Blended Learning program which allows students to complete some of the coursework off campus.**

Dual United States History

TCC US History 1301 & 1302

TEDS: 03340100 ☒

KISD: 4004

Credit: 1

Grade: 11

Required prerequisite: TCC Admission Standards

Students will receive both high school and college credit upon successful completion of the class. This is a college level class, which is designed for highly motivated students who are prepared to take a college course in high school. These classes are a survey of the social, political, economic, cultural, and intellectual history of the United States. Students must purchase the books required for TCC – United States History. Also, students must register and pay for the course through Tarrant County College.



United States Government

TEDS: 03330100 ☒

KISD: 4301

Credit: .5

Grade: 12

Recommended prerequisite: None

United States Government is a general study of federal, state, local governments and the American political system including their decisions and activities. Emphasis is placed on civic participation and responsibilities, democratic beliefs, and the interrelationships of government with the American economic system. This course provides an opportunity to study in depth the foundation of the United States political system; to analyze structure and functions of the government on the local, state and federal levels; and to study the major documents including the Bill of Rights, Constitution and Federalist papers. The United States government and political systems will be compared to other governments and systems around the world. **This course is offered in the traditional classroom, online through the Keller ISD Virtual Learning program, and through the Keller ISD Blended Learning program which allows students to complete some of the coursework off campus.**



AP United States Government and Politics

AP

TEDS: A3330100 ☒

KISD: 4311

Credit: .5

Grade: 12

Recommended prerequisite: None

The AP Government and Politics is equivalent to an introductory college course in government and is taught with a college level text. The purpose of this course is to give the students an analytical perspective on government and politics in the United States through the study of general concepts used to interpret and the analysis of specific examples. The major areas of study include: constitutional underpinning of the United States government; political beliefs and behaviors; political parties; interest groups and mass media; institutions of national government; public policy; and civil rights and civil liberties. The students will be required to evaluate general propositions about these areas of study and to analyze their political relationships between people and institutions using sustained written arguments. **AP students prepare to take the Advanced Placement Exam in May for possible college credit. This course is offered in the traditional classroom and through the Keller ISD Blended Learning program which allows students to complete some of the coursework off campus.**

Dual United States Government

TCC Government 2305

TEDS: 03330100 ☒

KISD: 4304

Credit: .5

Grade: 12

Required prerequisite: TCC Admission Standards

Students will receive both high school and college credit upon successful completion of the class. This is a college level class, which is designed for highly motivated students who are prepared to take a college course in high school. The course teaches United States constitutional and governmental systems. Students must purchase the books required for TCC – United States Government. Also, students must register and pay for the course through Tarrant County College.



Economics

TEDS: 03310300



KISD: 4302

Credit: .5

Grade: 12

Recommended prerequisite: None

Economics is the general study of the principles concerning the production, consumption and distribution of goods and services. Areas of study include fee enterprise, consumer behavior, personal financial literacy, monetary policy and the Federal Reserve, fiscal policy and International trade. The student will be involved in the application of economic facts, models, theories and generalizations of selected topics for study. **This course is offered in the traditional classroom, online through the Keller ISD Virtual Learning program, and through the Keller ISD Blended Learning program which allows students to complete some of the coursework off campus.**

AP Macroeconomics



TEDS: A3310200



KISD: 4322

Credit: .5

Grade: 12

Recommended prerequisite: None

AP Macroeconomics is equivalent to an introductory college course in macroeconomics and is taught with a college level text. The purpose of AP Macroeconomics is to give students a thorough understanding of the principles of economics that apply to an economic system as a whole. This course places particular emphasis on the study of national income and price determination and develops students' familiarity with economic performance measures, economic growth, fluctuations of outputs and prices, money, monetary and fiscal policy and the global economy. **AP students prepare to take the Advanced Placement Exam in May for possible college credit. This course is offered in the traditional classroom and through the Keller ISD Blended Learning program which allows students to complete some of the coursework off campus.**

Dual Principles of Macroeconomics



TCC Principles of Macroeconomics 2301

TEDS: 03310300



KISD: 4332

Credit: .5

Grade: 12

Required prerequisite: TCC Admission Standards

Students will receive both high school and college credit upon successful completion of the class. This is a college level class, which is designed for the highly motivated students who are prepared to take a college course in high school. This course is taught with an emphasis on the U.S. economy, the economizing problem, demand-supply theory, national income accounting, business fluctuation, fiscal policy, and monetary policy. Students must purchase books required for Principles of Macroeconomics. Also, students must register and pay for the course through Tarrant County College.

AP Microeconomics



TEDS: A3310100



KISD: 4312

Credit: .5

Grade: 12

Recommended prerequisite: None

The AP Microeconomics is equivalent to an introductory college course in microeconomics and is taught with a college level text. The purpose of AP Microeconomics is to give students a thorough understanding of the principles of economics that apply to the functions of individual decision makers, both consumer and producers, within the larger economic system. It places primary emphasis on the nature and functions of product markets and includes the study of factor markets and the role of government in promoting greater efficiency and equity in the economy. The major areas of study include: basic economic concepts, the nature and functions of product markets, the theory of the firm, factor markets and efficiency, equity and the role of government. **AP students prepare to take the Advanced Placement Exam in May for possible college credit. This course is offered in the traditional classroom and through the Keller ISD Blended Learning program which allows students to complete some of the coursework off campus.**

AP Comparative Government and Politics



TEDS: A3330200



KISD: 4321

Credit: .5

Grade: 12

Recommended prerequisite: None

The AP Comparative Government and Politics is equivalent to an introductory college course in comparative government and is taught with a college level text. This course is an in-depth study of selected world governments. Emphasis will be placed on the assessment and understanding of the relationship between the sources of public authority and political power, society and politics, citizens and state as well as the political framework and political changes in nation-states. Both utopian and actual systems and concepts will be investigated, analyzed, and evaluated through detailed comparisons. A Special Topics class may be encouraged. **AP students prepare to take the Advanced Placement Exam in May for possible college credit.**

AP European History



TEDS: A3340200



KISD: 4503

Credit: 1

Grade: 11-12

Recommended prerequisite: None

AP European History is equivalent to an introductory college course in European History. European History AP is a study of European history from the High Renaissance (1450) to the recent past (1970). Emphasis will be placed on the investigation, understanding, and assessment of the principle themes in modern European history such as the intellectual, cultural, political, diplomatic, social, and economic developments. Analysis of historical evidence and expressing that understanding and analysis in writing will be required. **AP students prepare to take the Advanced Placement Exam in May for possible college credit.**

Psychology

TEDS: 03350100



KISD: 4402

Credit: .5

Grade: 11-12

Recommended prerequisite: None

Psychology gives students the opportunity to study individual and group psychology. Students learn how the knowledge, methods and theories of psychologists are applied to analyzing human behavior. Course content is organized to help students develop critical attitudes toward superficial generalization about human behavior and to achieve a better understanding of human behavior in general.

AP Psychology



TEDS: A3350100



KISD: 4404

Credit: 1

Grade: 11-12

Recommended prerequisite: None

AP Psychology is equivalent to an introductory college course in Psychology. The purpose of this class is to introduce students to the systematic and scientific study of the behavior of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the minor subfields within psychology. They also learn about the methods psychologists use in their science and practice. **AP students prepare to take the Advanced Placement Exam in May for possible college credit.**

Sociology



TEDS: 03370100




KISD: 4401

Credit: .5

Grade: 11-12

Recommended prerequisite: None

Sociology includes the nature of sociology, culture, socialization, groups, institutions, communication, and cultural development and change. The concepts will remain constant; however, the content may vary depending on the student interest. The student will have an opportunity to explore the major tools of the science of sociology. These will include, but are not limited to, analyzing types of groups and interaction among groups, understanding the impact of media on groups and analyzing the impact science and technology upon people and culture. **This course is available in a traditional classroom as well as online through the Keller ISD Virtual Learning Program.**

	Program of Study	9 th	10 th	11 th	12 th
 World Languages	American Sign Language	American Sign Language I 1 credit	American Sign Language II 1 credit	American Sign Language III 1 credit	American Sign Language IV 1 credit
	Spanish	Spanish I 1 credit	Spanish II 1 credit	Spanish III 1 credit	Spanish IV 1 credit
	German	German I 1 credit	German II 1 credit	German III 1 credit	German IV 1 credit
	French	French I 1 credit	French II 1 credit	French III 1 credit	French IV 1 credit
	Latin	Latin I 1 credit	Latin II 1 credit	Latin III 1 credit	Latin IV 1 credit

American Sign Language I (ASL I)

TEDS: 03980100 ☒ **KISD:** 6403

Credit: 1

Grade: 9-12

Recommended prerequisite: None

Acquiring ASL incorporates expressive and receptive communication skills. Students develop these communication skills by using knowledge of the language including: grammar, culture, communication and learning strategies, technology and content from other subject areas to socialize, to acquire and provide information, to express feelings and opinions, and to get others to adopt a course of action. While knowledge of other cultures, connections to other disciplines, comparisons between languages and cultures and community interaction all contribute to and enhance the communicative language learning experience, communication skills are the primary focus of language acquisition.

American Sign Language II (ASL II)

TEDS: 03980200 ☒ **KISD:** 6413

Credit: 1

Grade: 9-12

Recommended prerequisite: ASL I

This course builds on the skills acquired in ASL I. Basic structure and vocabulary from the first level will be reviewed. Students will continue to develop skills as their knowledge of the language increases.

American Sign Language III (ASL III)

TEDS: 03980300 ☒ **KISD:** 6423

Credit: 1

Grade: 10-12

Recommended prerequisite: ASL II

This course builds on the skills acquired in ASL I and II. Structure and vocabulary from the previous courses will be reviewed. Students will develop more advanced skills as their knowledge of the language increases.

American Sign Language IV (ASL IV)

TEDS: 03980400 ☒ KISD: 6424

Credit: 1

Grade: 12

Recommended prerequisite: ASL III

This course builds on the skills acquired in ASL III. Structure and vocabulary from the previous courses will be reviewed. Students will develop more advanced skills as their knowledge of the language increases.



French I

TEDS: 03410100 ☒

KISD: 6113

Credit: 1

Grade: 9-12

Recommended prerequisite: None

This course is designed as an introduction to the basic structure and vocabulary of the French language. Students begin to develop skills in speaking, listening, reading, and writing. Emphasis is placed on the development of basic vocabulary. French culture will also be introduced. **This course is also available online through the Keller ISD Virtual Learning Program.**

French I Pre-AP

TEDS: 03410100 ☒

KISD: 6103

Credit: 1

Grade: 9-12

Recommended prerequisite: None

This course is designed to aggressively initiate the AP student to the overall AP Foreign Language program. In addition to learning broad vocabulary from a wide variety of sources, the student will learn the present and preterit tenses as well as a host of grammatical structures, constructions, and tools for communication. Students will develop all skills in reading, listening, writing and speaking and will utilize each of these skills as they are regularly tested in the AP exam format.

French II

TEDS: 03410200 ☒

KISD: 6123

Credit: 1

Grade: 9-12

Recommended prerequisite: French I

This course builds on the skills acquired in French I. Basic structure and vocabulary from the first level will be reviewed. Students will continue to develop skills in speaking, listening, reading and writing as their knowledge of the language increases. Linguistic practice is conducted in a cultural context.

French II Pre-AP

TEDS: 03410200 ☒

KISD: 6173

Credit: 1

Grade: 9-12

Recommended prerequisite: French I

This course includes thematic vocabulary and expanded grammar concepts in a cultural and contextualized environment. This course builds on the skills acquired in French I as students continue to develop speaking, listening, reading, and writing. This course prepares students for French III Pre-AP as students are introduced to AP writing and literature.

French III Pre-AP

TEDS: 03410300 ☒

KISD: 6133

Credit: 1

Grade: 10-12

Recommended prerequisite: French II

This course builds on the skills acquired in French I and II. Structure and vocabulary from the previous courses will be reviewed. Students will develop more advanced skills in speaking, listening, reading, and writing through use of the language in the classroom. Students are introduced to French literature and communicative skills are emphasized. This course is also offered as a dual credit course through Tarrant County College: FREN 1411 Elementary French I and FREN 1412 Elementary French II. If enrolled in dual credit, students will receive both high school and college credit upon successful completion of the classes. These are college level classes, which are designed for highly motivated students who are prepared to take a college course in high school. Students must register and pay for the course through Tarrant County College.

AP French IV

TEDS: A3410100



KISD: 6143



Credit: 1

Grade: 11-12

Recommended prerequisite: French III

This course builds on the skills acquired in French I, II, and III. Structure and vocabulary from the first courses will be reviewed. Students will continue to develop more advanced skills in speaking, listening, reading, and writing. French is spoken extensively in the classroom and emphasis is placed on writing. The format of the AP exam is introduced. Students are exposed to a broader spectrum of French literature and French culture. **AP students prepare to take the Advanced Placement Exam in May for possible college credit.**

German I

TEDS: 03420100



KISD: 6213



Credit: 1

Grade: 9-12

Recommended prerequisite: None

This course is designed as an introduction to the basic structure and vocabulary of the German language. Students begin to develop skills in speaking, listening, reading, and writing. Emphasis is placed on the development of basic vocabulary. German culture will also be introduced. **This course is also available online through the Keller ISD Virtual Learning Program.**

German I Pre-AP

TEDS: 03420100



KISD: 6203



Credit: 1

Grade: 9-12

Recommended prerequisite: None

This course is designed to aggressively initiate the AP student to the overall AP Foreign Language program. In addition to learning broad vocabulary from a wide variety of sources, the student will learn the present and preterit tenses as well as a host of grammatical structures, constructions and tools for communication. Students will develop all skills in reading, listening, writing, and speaking and will utilize each of these skills as they are regularly tested in the AP exam format.

German II

TEDS: 03420200



KISD: 6223

Credit: 1

Grade: 9-12

Recommended prerequisite: German I

This course builds on the skills acquired in German I. Basic structure and vocabulary from the first level will be reviewed. Students will continue to develop skills in speaking, listening, reading, and writing as their knowledge of the language increases. Linguistic practice is conducted in a cultural context.

German II Pre-AP

TEDS: 03420200



KISD: 6273



Credit: 1

Grade: 9-12

Recommended prerequisite: German I

This course includes thematic vocabulary and expanded grammar concepts in cultural and contextualized environment. This course builds on the skills acquired in German I as students continue to develop speaking, listening, reading, and writing. This course prepares students for German III Pre-AP as students are introduced to AP writing and literature.

German III Pre-AP

TEDS: 03420300



KISD: 6233



Credit: 1

Grade: 10-12

Recommended prerequisite: German II

This course builds on the skills acquired in German I and II. Structure and vocabulary from the first courses will be reviewed. Students will develop more advanced skills in speaking, listening, reading, and writing through the use of the language in the classroom. Students are introduced to German literature and communicative skills are emphasized.

AP German IV

TEDS: A3420100



KISD: 6243



Credit: 1

Grade: 11-12

Recommended prerequisite: German III

This course builds on the skills acquired in German I, II, and III. Structure and vocabulary from the previous courses will be reviewed. Students will continue to develop more advanced skills in speaking, listening, reading, and writing. German is spoken extensively in the classroom, and emphasis is placed on writing. The format of the AP exam is introduced. Students are exposed to a broader spectrum of German literature and German culture. **AP students prepare to take the Advanced Placement Exam in May for possible college credit.**

German V

TEDS: 03420500



KISD: 6263

Credit: 1

Grade: 12

Recommended prerequisite: German IV

This course builds on the skills acquired in German I, II, III, and IV. Structure and vocabulary from the previous courses will be reviewed. Students will continue to develop more advanced skills in speaking, listening, reading, and writing. German is spoken extensively in the classroom, and writing assignments will be based on German literature and Germanic culture. Students will gain an understanding of two basic aspects of human existence: the nature of communication and the complexity of culture. Students will become aware of multiple perspectives and means of expression, which lead to an appreciation of difference and diversity.

Latin I

TEDS: 03430100



KISD: 6303



Credit: 1

Grade: 9-12

Recommended prerequisite: None

This course is designed as an introduction to the basic structure and vocabulary of the Latin language. Students begin to develop skills in reading, writing, speaking, and listening. Emphasis is placed on the development of basic vocabulary and English derivatives. Classical culture and history will also be introduced. **This course is also available online through the Keller ISD Virtual Learning Program.**

Latin I Pre-AP

TEDS: 03430100



KISD: 6300



Credit: 1

Grade: 9-12

Recommended prerequisite: None

This course is designed to aggressively initiate the AP student to the overall AP Foreign Language program. In addition to learning broad vocabulary from a wide variety of sources, the student will learn the present and preterit tenses as well as a host of grammatical structures, constructions, and tools for communication. Students will develop all skills in reading, listening, writing and speaking and will utilize each of these skills as they are regularly tested in the AP exam format.

Latin II

TEDS: 03430200



KISD: 6313



Credit: 1

Grade: 9-12

Recommended prerequisite: Latin I

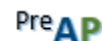
This course builds on the skills acquired in Latin I. Basic structure and vocabulary from the first level will be reviewed. Students will continue to develop skills in reading, writing, speaking, and listening as their knowledge increases. Translation of classical authors will be conducted in a cultural context, with emphasis placed on impact of classical culture on Western thought and development. **This course is also available online through the Keller ISD Virtual Learning Program.**

Latin II Pre-AP

TEDS: 03430200



KISD: 6373



Credit: 1

Grade: 9-12

Recommended prerequisite: Latin I

This course includes thematic vocabulary and expanded grammar concepts in cultural and contextualized environment. This course builds on the skills acquired in Latin I as students continue to develop speaking, listening, reading, and writing. This course prepares students for Latin III Pre-AP as students are introduced to AP writing and literature.

Latin III Pre-AP

TEDS: 03430300 ☒

KISD: 6323

Credit: 1

Grade: 10-12

Recommended prerequisite: Latin II

This course builds on the skills acquired in Latin I and II. Structure and vocabulary from the first courses will be reviewed. Students will develop more advanced skills in reading, writing, speaking, and listening. Translation of classical literature will be emphasized.

AP Latin IV

TEDS: A3430100 ☒

KISD: 6333

Credit: 1

Grade: 11-12

Recommended prerequisite: Latin III

This course builds on the skills acquired in Latin I, II, and III. Structure and vocabulary from the first courses will be reviewed. Students will continue to develop more advanced skills in reading, writing, speaking, and listening. The format of the AP exam is introduced. Students are exposed to a broader spectrum of classical literature, history, and culture. **AP students prepare to take the Advanced Placement Exam in May for possible college credit.**

Spanish I

TEDS: 03440100 ☒

KISD: 6013

Credit: 1

Grade: 9-12

Recommended prerequisite: None

This course is designed as an introduction to the basic structure and vocabulary of the Spanish language. Students begin to develop skills in speaking, listening, reading, and writing. Emphasis is placed on the development of basic vocabulary. Hispanic culture will also be introduced. **This course is also available online through the Keller ISD Virtual Learning Program.**

Spanish I Pre-AP

TEDS: 03440100 ☒

KISD: 6003

Credit: 1

Grade: 9-12

Recommended prerequisite: None

This course is designed to aggressively initiate the AP student to the overall AP Foreign Language program. In addition to learning broad vocabulary from a wide variety of sources, the student will learn the present and preterit tenses as well as a host of grammatical structures, constructions, and tools for communication. Students will develop all skills in reading, listening, writing and speaking and will utilize each of the skills as they are regularly tested in the AP exam format.

Spanish II

TEDS: 03440200 ☒

KISD: 6033

Credit: 1

Grade: 9-12

Recommended prerequisite: Spanish I

This course builds on the skills acquired in Spanish I. Basic structure and vocabulary from the first level will be reviewed. Students will continue to develop skills in speaking, listening, reading and writing as their knowledge of the language increases. Linguistic practice is conducted in a cultural context.

Spanish II Pre-AP

TEDS: 03440200 ☒

KISD: 6083

Credit: 1

Grade: 9-12

Recommended prerequisite: Spanish I

This course includes thematic vocabulary and expanded grammar concepts in cultural and contextualized environment. This course builds on the skills acquired in Spanish I as students continue to develop speaking, listening, reading and writing. This course prepares students for Spanish III Pre-AP as students are introduced to AP writing and literature.

Spanish III

TEDS: 03440300



KISD: 6023

Credit: 1

Grade: 10-12

Recommended prerequisite: Spanish II

This course is a continuation course of Spanish II. It is for those students who would like to have three years of Spanish, without ultimately pursuing the rigors of the AP Spanish classes. The important remaining grammar points are taught, but emphasis is placed on the student's ability to speak the language rather than the memorization and repetition of grammatical rules. Putting the grammar into practice in real world situations is the focus of the class. Students will learn conversational, survival skills, while they are exposed to a wide variety of cultural experiences. Students will learn a broad vocabulary from a large selection of topics and should be able to converse at an intermediate level after completing this course. The reading of short stories will help to increase the student's vocabulary and use of grammatical structures. Oral presentations, skits, and listening comprehension activities will also play an important role in the course curriculum.

Spanish III Pre-AP

TEDS: 03440300



KISD: 6043

Credit: 1

Grade: 10-12

Recommended prerequisite: Spanish II

This course builds on the skills acquired in Spanish I and II. Structure and vocabulary from the first courses will be reviewed. Students will develop more advanced skills in speaking, listening, reading, and writing through the use of the language in the classroom. Students are introduced to Spanish literature and communicative skills are emphasized.

AP Spanish IV

TEDS: A3440100



KISD: 6053

Credit: 1

Grade: 11-12

Recommended prerequisite: Spanish III

This course builds on the skills acquired in Spanish I, II, and III. Structure and vocabulary from the first courses will be reviewed. Students will continue to develop more advanced skills in speaking, listening, reading, and writing. Spanish is spoken extensively in the classroom and emphasis is placed on writing. The format of the AP exam is introduced. Students are exposed to a broader spectrum of Spanish literature and Hispanic culture. **AP students prepare to take the Advanced Placement Exam in May for possible college credit.**

AP Spanish V

TEDS: A3440200



KISD: 6063

Credit: 1

Grade: 11-12

Recommended prerequisite: Spanish IV

This course builds on the skills acquired in Spanish I, II, III, and IV and prepares students for Spanish Advanced Placement Exams. Structure and vocabulary from previous courses will be reviewed. Students will continue to develop more advanced skills in speaking, listening, reading, and writing. Linguistic practice follows the format of the AP exam. Spanish is spoken exclusively in the classroom and writing assignments will be based on Spanish literature and Hispanic culture. **AP students prepare to take the Advanced Placement Exam in May for possible college credit.**

Special Topics in Language and Culture

TEDS: 11410000

KISD: 6090

Credit: 1

Grade: 9-12

Recommended prerequisite: Level I LOTE course; committee approval required

In this course, students will gain an understanding of two basic aspects of human existence: the nature of communication and the complexity of culture. Students will become aware of multiple perspectives and means of expression, which lead to an appreciation of difference and diversity. Students will develop an appropriate understanding of cultural context, become more globally literate, and possess the attributes of successful participants in the world community. Communication is the overarching goal of world language instruction. Students will be provided ample opportunities to engage in conversations, to present information to an audience, and to interpret culturally authentic materials in the language of study. This course may be substituted for a level II LOTE (Languages Other Than English) course upon approval by the student's level I LOTE classroom teacher, the principal or designee, the student's parents, and the student's counselor, who determine that the student is not likely to be successful in a level II LOTE course.



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Business and Industry



Program of Study Course Sequence	9th Grade	10th Grade	11th Grade	12th Grade	Optional Electives
Veterinary Studies (2020-2021 freshmen, sophomores, and juniors)	Principles of Agriculture, Food and Natural Resources (1 credit)	Veterinary Medical Applications (1 credit) <i>Prerequisite:</i> <i>Principles of Agriculture, Food and Natural Resources</i>	Advanced Animal Science (1 credit) AND Scientific Research & Design: Veterinary Clinical Skills (1 credit) <i>Prerequisite:</i> <i>Veterinary Medical Applications</i>	Practicum in Agriculture, Food and Natural Resources (2 credits) <i>Prerequisites:</i> <i>Veterinary Medical Applications, Advanced Animal Science, and Scientific Research & Design: Veterinary Clinical Skills</i>	Wildlife, Fisheries, and Ecology Management (1 credit), Small Animal Management (.5 credit) and Equine Science (.5 credit), Agribusiness Management and Marketing (1 credit), Livestock Production (1 credit) <i>Prerequisite:</i> <i>Principles of Agriculture, Food and Natural Resources</i>
Veterinary Studies (2020-2021 seniors)	Principles of Agriculture, Food and Natural Resources (1 credit)	Equine Science (.5 credit) AND Small Animal Management (.5 credit) <i>Prerequisite:</i> <i>Principles of Agriculture, Food and Natural Resources</i>	Veterinary Medical Applications (1 credit) AND Advanced Animal Science (1 credit) <i>Prerequisites:</i> <i>Equine Science, Small Animal Management, Biology, Chemistry, or IPC, Algebra 1, and Geometry</i>	Practicum in Agriculture, Food and Natural Resources (2 credits) <i>Prerequisites:</i> <i>3 credits in the Veterinary Studies Program</i>	Wildlife, Fisheries, and Ecology Management (1 credit), Agribusiness Management and Marketing (1 credit), Livestock Production (1 credit), Scientific Research & Design: Veterinary Clinical Skills (1 credit) <i>Principles of Agriculture, Food and Natural Resources</i>

Classes that are shaded gray will be taught at the Keller Center for Advanced Learning

Certifications / Certificate Opportunities Based on Program of Study	Additional Course Information
OSHA General Certification Certified Veterinary Assistant (CVA) Animal Health Care Attendant (ACT) Equine Specialist (iCEV) Beef Cattle Specialist (iCEV) Avimark Software Certification	Credits: Advanced Animal Science and Scientific Research & Design: Veterinary Clinical Skills can be used for science credit. Fees: Career and Technical Student Organizations are co-curricular to the curriculum. Although membership is not required, it is highly encouraged for student to join their local CTSO chapter. Fees may apply. Location: Courses shaded in gray will be held at the Keller Center for Advanced Learning.
Career and Technical Student Organization (CTSO)	
National FFA Organization	

Principles of Agriculture, Food, and Natural Resources

TEDS: 13000200

KISD: 81100

Credit: 1

Grade: 9-11

Recommended prerequisite: None

To be prepared for careers in agriculture, food, and natural resources, students must attain academic skills and knowledge in agriculture. This course allows students to develop knowledge and skills regarding career opportunities, personal development, globalization, industry standards, details, practices, and expectations. To prepare for success, students need to have opportunities to learn, reinforce experience, apply, and transfer their knowledge and skills in a variety of settings. Class is taught at the Keller Center for Advanced Learning.

Veterinary Medical Applications

TEDS: 13000600

KISD: 81105

Credit: 1

Grade: 11-12

Recommended prerequisites: Principles of Agriculture, Food, and Natural Resources; Biology, Chemistry, or IPC; Algebra I; and Geometry

To be prepared for careers in the field of animal science, students need to attain academic skills and knowledge, acquire technical knowledge and skills related to animal systems and the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer knowledge and skills and technologies in a variety of settings. Topics covered in this course include, but are not limited to, veterinary practices as they relate to both large and small animal species. Class is taught at the Keller Center for Advanced Learning.

Advanced Animal Science

TEDS: 13000700

KISD: 81106

Credit: 1

Dual Credit: 81107

Grade: 11-12

Recommended prerequisites: Veterinary Medical Applications, Biology, Chemistry, or IPC; Algebra I; and Geometry

To be prepared for careers in the field of animal science, students need to attain academic skills and knowledge, acquire knowledge and skills related to animal systems, and develop knowledge and skills regarding career opportunities, entry requirements, and industry standards. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills in a variety of settings. This course examines the interrelatedness of human, scientific, and technological dimensions of livestock production. Instruction is designed to allow for the application of scientific and technological aspects of animal science through field and laboratory experiences. This course is also offered as a dual credit course through Weatherford College: AGRI 1419 Animal Science. If enrolled in dual credit, students will receive both high school and college credit upon successful completion of the class. This is a college level class, which is designed for highly motivated students who are prepared to take a college course in high school. Students must register and pay for the course through Weatherford College. This course counts as a science credit. Class is taught at the Keller Center for Advanced Learning for students in the veterinary pathway only.



Scientific Research and Design: Veterinary Clinical Skills

TEDS: 13037200

KISD: 81151

Credit: 1

Grade: 11-12

Recommended prerequisites: Principles of Agriculture, Food, and Natural Resources; Biology, Chemistry, IPC, or Physics

Scientific Research and Design is a broad-based course designed to allow districts and schools considerable flexibility to develop local curriculum to supplement any program of study or coherent sequence. For Keller ISD, this course has been created to give students a time to focus completely on veterinary clinical skills. Students will spend their time predominantly in a lab setting learning skills such as blood work, diagnostics, sterilization of equipment, bandaging and so on. Students should ideally take this course their junior year of high school as they prepare to do an internship through their senior practicum course. This course counts as a science credit. Class is taught at the Keller Center for Advanced Learning.

Practicum in Agriculture, Food, and Natural Resources

TEDS: 13002500

KISD: 81161

Credit: 2

Grade: 11-12

Recommended prerequisites: 3 agriculture courses for 2020-21 12th graders; Veterinary Medical Applications, Advanced Animal Science, and Scientific Research and Design: Veterinary Clinical Skills for 2020-21 9th, 10th, and 11th graders

This course is recommended for students in Grades 11-12. The practicum course is a paid or unpaid capstone experience for students participating in a coherent sequence of career and technical education courses in the Agriculture, Food, and Natural Resources cluster. Students can pursue externships at a variety of animal science related businesses in the Keller and Fort Worth area including, but not limited to, veterinary clinics, farms and ranches, equine facilities, dog grooming, and boarding facilities. Students may also choose to pursue an in-house internship housed at the Keller Center for Advanced Learning where they will work in the KCAL veterinary science lab with pets from the Keller community. Recommended Prerequisite: a minimum of three credits from the courses in the Agriculture, Food, and Natural Resources cluster. Class is taught at the Keller Center for Advanced Learning.

Wildlife, Fisheries, and Ecology Management

TEDS: 13001500

KISD: 81040

Credit: 1

Grade: 10-12

Recommended prerequisites: Principles of Agriculture, Food, and Natural Resources

Wildlife, Fisheries, and Ecology Management examines the management of game and non-game wildlife species, fish, and aqua crops and their ecological needs as related to current agricultural practices. To prepare for careers in natural resource systems, students must attain academic skills and knowledge, acquire technical knowledge and skills related to natural resources, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills in a variety of settings. Class is taught at the Keller Center for Advanced Learning.

Small Animal Management

TEDS: 13000400

KISD: 81103

Credit: .5

Grade: 10-12

Recommended prerequisites: Principles of Agriculture, Food, and Natural Resources

To be prepared for careers in the field of animal science, students need to enhance academic knowledge and skills, acquire knowledge and skills related to animal systems, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer knowledge and skills in a variety of settings. Suggested small animals which may be included in the course of study include, but are not limited to, small mammals, amphibians, reptiles, avian, dogs, and cats. Small Animal Management is taken concurrently with Equine Science. Class is taught at the Keller Center for Advanced Learning.

Equine Science

TEDS: 13000500

KISD: 81104

Credit: .5

Grade: 10-12

Recommended prerequisites: Principles of Agriculture, Food, and Natural Resources

To be prepared for careers in the field of animal science, students need to enhance academic knowledge and skills, acquire knowledge and skills related to animal systems, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills in a variety of settings. Suggested animals which may be included in the course of study include, but are not limited to, horses, donkeys, and mules. Equine Science is taken concurrently with Small Animal Management. Class is taught at the Keller Center for Advanced Learning.



Agribusiness Management and Marketing

TEDS: 13000900

KISD: 81060

Credit: 1

Grade: 11-12

Recommended prerequisites: Principles of Agriculture, Food, and Natural Resources; Veterinary Medical Applications, teacher approval

This course will be taught as a junior and senior level FFA leadership class. The course is designed for those that are FFA officers or active in FFA to help develop their leadership and speaking potential. Students in this class will be expected to assist with the development, promotion, and everyday functioning of the KCAL FFA chapter. Class is taught at the Keller Center for Advanced Learning.

Livestock Production

TEDS: 13000300

KISD: 81108

Credit: 1

Grade: 10-12

Recommended prerequisites: Principles of Agriculture, Food, and Natural Resources

In Livestock Production, students will acquire knowledge and skills related to livestock and the livestock production industry. Livestock Production may address topics related to beef cattle, dairy cattle, swine, sheep, goats, and poultry. To prepare for careers in the field of animal science, students must attain academic skills and knowledge, acquire knowledge and skills related to animal systems and the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills in a variety of settings. Class is taught at the Keller Center for Advanced Learning.



Architecture & Construction

Program of Study Course Sequence	9th Grade	10th Grade	11th Grade	12th Grade
Architectural Design	Principles of Architecture (1 credit)	Architectural Design I (1 credit) <i>Prerequisite:</i> <i>Principles of Architecture, Algebra I, and English I</i>	Architectural Design II (2 credits) <i>Prerequisite:</i> <i>Architectural Design I and Geometry</i>	Practicum in Architectural Design (2 credits) <i>Prerequisite:</i> <i>3 credits in the Architectural Design Program including Architectural Design II</i>
Construction Management	Principles of Construction (1 credit)	Construction Management I (2 credits) <i>Prerequisite:</i> <i>Principles of Construction</i>	Construction Management II (2 credits) <i>Prerequisite:</i> <i>Construction Management I</i>	Practicum in Construction Management (2 credits) <i>Prerequisite: 3 credits in the Construction Management Program including Construction Management II</i>
Interior Design	Principles of Architecture (1 credit)	Interior Design I (1 credit) <i>Prerequisite:</i> <i>Principles of Architecture, Algebra I, and English I</i>	Interior Design II (2 credits) <i>Prerequisite:</i> <i>Interior Design I, English II, and Geometry</i>	Practicum in Architectural Design (2 credits) <i>Prerequisite: 3 credits in the Interior Design Program, including Interior Design II</i>

Classes that are shaded gray will be taught at the Keller Center for Advanced Learning

Certifications / Certificate Opportunities Based on Program of Study
Autodesk Revit Certified User (Architecture) OSHA General Certification (Construction) NCCER (Construction) SkillsUSA Workforce Ready (Construction) Cyber Safety Awareness (Construction) SP2 - Certification Training (Construction) Interior Design Fundamentals Pre-Pac Certification (Interior Design)
Career and Technical Student Organization (CTSO)
TSA—Technology Student Association (Architecture) SkillsUSA (Construction) BPA—Business Professionals of America (Interior Design) FCCLA—Family Career & Community Leaders of America (Interior Design)

Additional Course Information
Fees: Career and Technical Student Organizations are co-curricular to the curriculum. Although membership is not required, it is highly encouraged for students to join their local CTSO chapter. Fees may apply.
Location: Courses shaded in gray will be held at the Keller Center for Advanced Learning.

Principles of Architecture

TEDS: 13004210

KISD KCAL: 81200

Credit: 1

KISD (Interior Design): 81209

Grade: 9-11

Recommended prerequisite: None

Principles of Architecture provides an overview to the various fields of architecture and interior design. Achieving proficiency in decision making and problem solving is an essential skill for career planning and lifelong learning. Students use self-knowledge, educational, and career information to set and achieve realistic career and educational goals. Safety and career opportunities are included, in addition to work ethics and job-related study in the classroom such as communications; problem solving and critical thinking; Information Technology Applications; systems; safety, health, and environmental; leadership and teamwork; ethics and legal responsibilities; employability and career development; technical skills; and reading technical drawings. Class is taught at the Keller Center for Advanced Learning for Architecture pathway students; class is taught at the home campus for Interior Design pathway students.

Architectural Design I

TEDS: 13004600

KISD: 81210

Credit: 1

Grade: 10-12

Recommended prerequisite: Principles of Architecture, Algebra I, and English I

In Architectural Design I, students gain knowledge and skills specific to those needed to enter a career in architecture and construction or prepare a foundation toward a postsecondary degree in architecture, construction science, drafting, interior design, and landscape architecture. Architectural design includes the knowledge of the design, design history, techniques, and tools related to the production of drawings, renderings, and scaled models for commercial or residential architectural purposes. Class is taught at the Keller Center for Advanced Learning.



Architectural Design II

TEDS: 13004700

KISD: 81211

Credit: 2

Grade: 11-12

Recommended prerequisite: Architectural Design I (or Interior Design II) and Geometry

In Architectural Design II, students gain advanced knowledge and skills specific to those needed to enter a career in architecture and construction or prepare a foundation toward a postsecondary degree in architecture, construction science, drafting, interior design, and landscape architecture. Advanced Architectural design includes the advanced knowledge of the design, design history, techniques, and tools related to the production of drawings, renderings, and scaled models for commercial or residential architectural purposes. Class is taught at the Keller Center for Advanced Learning.

Practicum in Architectural Design

TEDS: 13004800

KISD KCAL: 81213

Credit: 2

KISD (Interior Design): 81212

Grade: 11-12

Recommended prerequisite: 3 credits in architectural design program including Architectural Design II or Interior Design II

Practicum in Architectural Design is an occupationally specific course designed to provide technical instruction in architectural design. Safety and career opportunities are included in addition to work ethics and architectural design study. Instruction may be delivered through laboratory training or through career preparation delivery arrangements. Class is taught at the Keller Center for Advanced Learning for Architecture pathway students; class is taught at the home campus for Interior Design pathway students.

Principles of Construction

TEDS: 13004220

KISD: 81220

Credit: 1

Grade: 9-11

Recommended prerequisite: None

Principles of Construction provides an overview to the various fields of construction science and construction technology. Achieving proficiency in decision making and problem solving is an essential skill for career planning and lifelong learning. Safety and career opportunities are included, in addition to work ethics and job-related study in the classroom such as communications; problem solving and critical thinking; Information Technology Applications; systems; safety, health, and environmental; leadership and teamwork; ethics and legal responsibilities; employability and career development; technical skills; introduction to hand tools; introduction to power tools; basic rigging. Class is taught at the Keller Center for Advanced Learning.

Construction Management I

TEDS: 13004900

KISD: 81221

Credit: 2

Grade: 10-12

Recommended prerequisite: Principles of Construction

In Construction Management I, students gain knowledge and skills specific to those needed to enter the work force as carpenters or building maintenance supervisors, or prepare for a postsecondary degree in construction management, architecture, or engineering. Students acquire knowledge and skills in safety, tool usage, building materials, codes, and framing. Class is taught at the Keller Center for Advanced Learning.

Construction Management II

TEDS: 13005000

KISD: 81222

Credit: 2

Grade: 11-12

Recommended prerequisite: Construction Management I

In Construction Management II, students gain knowledge and skills specific to those needed to enter the workforce as carpenters or building maintenance supervisors or build a foundation toward a postsecondary degree in architecture, construction science, drafting, or engineering. Construction Management includes the knowledge of the design, techniques, and tools related to the management of architectural and engineering projects. Class is taught at the Keller Center for Advanced Learning.

Practicum in Construction Management

TEDS: 13006200

KISD: 81224

Credit: 2

Grade: 11-12

Recommended prerequisite: 3 credits in construction management program including Construction Management II

Practicum in Construction Management is an occupationally specific course designed to provide classroom technical instruction or on-the-job training experiences. Safety and career opportunities are included in addition to work ethics and job-related study in the classroom. Instruction may be delivered through laboratory training or through career preparation delivery arrangements. Class is taught at the Keller Center for Advanced Learning.

Interior Design I

TEDS: 13004300

KISD: 81202

Credit: 1

Grade: 10-12

Recommended prerequisite: Principles of Architecture, Algebra I, and English I

Interior Design I is a technical course that addresses psychological, physiological, and sociological needs of individuals by enhancing the environments in which they live and work. Individuals use knowledge and skills related to interior and exterior environments, construction, and furnishings to make wise consumer decisions, increase productivity, and compete in industry.

Interior Design II

TEDS: 13004400

KISD: 81203

Credit: 2

Grade: 11-12

Recommended prerequisite: Interior Design I, English II, and Geometry

Interior Design II is a technical laboratory course that includes the knowledge of the employability characteristics, principles, processes, technologies, communication, tools, equipment, and materials related to interior spatial design.



Program of Study Course Sequence		9th Grade	10th Grade	11th Grade	12th Grade
Fashion Design		Professional Communications (.5 credit) AND Touch System Data Entry (.5 credit) OR Principles of Human Services (1 credit)	Fashion Design I (1 credit)	Graphic Design and Illustration I (1 credit) <i>Prerequisite: Fashion Design I</i>	Fashion Design II/ Fashion Design II Lab (2 credits) <i>Prerequisite: Fashion Design I and Graphic Design I</i>
Program of Study Course Sequence	9th Grade	10th Grade	11th Grade	12th Grade	Optional Electives
Design & Multimedia Arts	Principles of Arts, Audio/Video Technology and Communications (1 credit)	Choose 1 of the following courses: Animation I (1 credit), Graphic Design and Illustration I (1 credit) <i>Prerequisite: Principles of A/V</i>	Choose 1 of the following courses: Animation I (1 credit), Animation II/Animation II Lab (2 credits), Graphic Design and Illustration I (1 credit), Graphic Design and Illustration II/Graphic Design and Illustration II Lab (2 credits) <i>Prerequisite: Animation I, Graphic Design I</i>	Choose 1 of the following courses: Animation II/Animation II Lab (2 credits), Graphic Design and Illustration II/Graphic Design and Illustration II Lab (2 credits), Practicum in Animation (2 credits), Practicum in Graphic Design and Illustration (2 credits) <i>Prerequisite: 3 credits of Design & Multimedia Arts</i>	Commercial Photography I (1 credit), Digital Media (1 credit), Social Media Marketing (.5 credit)
Digital Communications	Principles of Arts, Audio / Video Technology and Communications (1 credit)	Audio / Video Production I (1 credit) <i>Prerequisite: Principles of Arts and AV</i>	Audio / Video Production II/ Audio/Video Production II Lab (2 credits) <i>Prerequisite: Audio/Video I</i>	Practicum in Audio/Video Production (2 credits) <i>Prerequisite: Audio/Video Production II/Audio/Video Production II Lab</i>	Commercial Photography I (1 credit)

Classes that are shaded gray will be taught at the Keller Center for Advanced Learning

Certifications / Certificate Opportunities Based on Program of Study
<p> Adobe ACA After Effects (Animation) Adobe ACA Animate (Animation) Autodesk Certified User (ACU) – Maya (Animation) OSHA General Certification (Audio/Video) Adobe Audition (Audio/Video) Adobe After Effects (Audio/Video) Adobe Premiere (Audio/Video) SkillsUSA Workforce Ready (Audio/Video, Commercial Photography) SBE Television Operator (Audio/Video) ProTools (Audio/Video) Cyber Safety Awareness (Commercial Photography) Adobe ACA Photoshop (Commercial Photography) Interior Design Fundamentals Pre-Pac Certification (Fashion Design) Adobe InDesign (Graphic Design) Adobe Photoshop (Graphic Design) Adobe Illustrator (Graphic Design) </p>
Career and Technical Student Organization (CTSO)
<p> SkillsUSA (Animation, Audio/Video, Commercial Photography, Graphic Design) BPA—Business Professionals of America (Fashion Design) FCCLA—Family Career & Community Leaders of America (Fashion Design) </p>

Additional Course Information
<p>Fees: Career and Technical Student Organizations are co-curricular to the curriculum. Although membership is not required, it is highly encouraged for students to join their local CTSO chapter. Fees may apply.</p> <p>Location: Courses shaded in gray will be held at the Keller Center for Advanced Learning.</p>

Professional Communications

TEDS: 13009900

KISD: 1465

Credit: .5

Grade: 9-12

Recommended prerequisite: None

Professional Communications blends written, oral, and graphic communication in a career-based environment. Careers in the global economy require individuals to be creative and have a strong background in computer and technology applications, a strong and solid academic foundation, and a proficiency in professional oral and written communication. Within this text, students will be expected to develop and expand the ability to write, read, edit, speak, listen, apply software applications, manipulate computer graphics, and conduct Internet research. **This course is also available online through the Keller ISD Virtual Learning Program.**



Touch System Data Entry

TEDS: 13011300

KISD: 81403

Credit: .5

Grade: 9-12

Recommended prerequisite: None

Students apply technical skills to address business applications of emerging technologies. Students enhance reading, writing, computing, communication, and reasoning skills and apply them to the business environment. Students will need to apply touch system data entry for production of business documents. **This course is also available online through the Keller ISD Virtual Learning Program.**



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Principles of Human Services

TEDS: 13024200

KISD: 82100

Credit: 1

Grade: 9-11

Recommended prerequisite: None

This laboratory course will enable students to investigate careers in the human services career cluster, including counseling and mental health, early childhood development, family and community, education and training, hospitality, fashion and interior design, and personal care services. Each student is expected to complete the knowledge and skills essential for success in high-skill, high-wage, or high-demand human services careers. Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extracurricular organizations.

Fashion Design I

TEDS: 13009300

KISD: 81342

Credit: 1

Grade: 10-12

Recommended prerequisite: None

Careers in fashion span all aspects of the textile and apparel industries. Within this context, in addition to developing technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications career cluster, students will be expected to develop an understanding of fashion, textiles, and apparel. Students will be expected to develop an understanding of the fashion industry with an emphasis on design and construction.

Fashion Design II/Fashion Design II Lab

TEDS: 13009410

KISD: 81346

Credit: 2

Grade: 10-12

Recommended prerequisite: Fashion Design I and Graphic Design I

In this advanced course, students will learn how to design, sew, and market their own merchandise. Students will be expected to develop an advanced understanding of fashion, with emphasis on design and production industries.



Principles of Arts, Audio/Video Technology, and Communications

TEDS: 13008200

KISD: 81300

Credit: 1

Grade: 9-11

Recommended prerequisite: None

Careers in the Arts, Audio/Video Technology, and Communications career cluster require, in addition to creative aptitude, a strong background in computer and technology applications, a strong academic foundation, and a proficiency in oral and written communication. Within this context, students will be expected to develop an understanding of the various and multifaceted career opportunities in this cluster and the knowledge, skills, and educational requirements for those opportunities. Topics such as introductions to graphic design and audio/video production will be included.

Audio/Video Production I

TEDS: 13008500

KISD: 81312

Credit: 1

Grade: 10-12

Recommended prerequisite: Principles of Arts, Audio/Video Technology, and Communications

Careers in audio and video technology and film production span all aspects of the audio/video communications industry. Within this context, in addition to developing technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications career cluster, students will be expected to develop an understanding of the industry with a focus on pre-production, production, and post-production audio and video activities.

Audio/Video Production II/ Audio/Video Production II Lab

TEDS: 13008610

KISD: 81316

Credit: 2

Grade: 10-12

Recommended prerequisite: Audio/Video Production I

Careers in audio and video technology and film production span all aspects of the audio/video communications industry. Within this context, in addition to developing advanced knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications career cluster, students will be expected to develop an advanced understanding of the industry with a focus on pre-production, production, and post-production activities. This course may be implemented in an advanced audio format or an advanced format, including audio, video, and radio. Class is taught at the Keller Center for Advanced Learning.

Practicum in Audio/Video Production

TEDS: 13008700

KISD: 81318

Credit: 2

Grade: 11-12

Recommended prerequisite: Audio/Video Production II/
Audio/Video Production II Lab

Careers in audio and technology and film production span all aspects of the audio/video communications industry. Within this context, in addition to developing advanced technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications career cluster, students will be expected to develop an advanced understanding of the industry with a focus on applying pre-production, production, and post-production audio, video, radio, or animation format. Class is taught at the Keller Center for Advanced Learning.

Animation I

TEDS: 13008300

KISD: 81302

Credit: 1

Grade: 9-12

Recommended prerequisite: Principles of Arts,
Audio/Video Technology, and Communications

Careers in animation span all aspects of motion graphics. Within this context, in addition to developing technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications career cluster, students will be expected to develop an understanding of the history and techniques of the animation industry.

Animation II/Animation II Lab

TEDS: 13008410

KISD: 81306

Credit: 2

Grade: 10-12

Recommended prerequisite: Animation I

Careers in animation span all aspects of motion graphics. Within this context, in addition to developing advanced knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications career cluster, students will be expected to create two- and three-dimensional animations. The instruction also assists students seeking careers in the animation industry. Class is taught at the Keller Center for Advanced Learning.

Practicum in Animation

TEDS: 13008450

KISD: 81308

Credit: 2

Grade: 11-12

Recommended prerequisite: Animation II/Animation II
Lab

Careers in animation span all aspects of the motion graphics industry. Within this context, students will develop technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications career cluster. Building upon the concepts taught in previous animation courses, students will be expected to develop an increasing understanding of the industry with a focus on applying pre-production, production, and post-production animation products in a professional environment and a focus on skill proficiency. Instruction may be delivered through lab-based classroom experiences or career preparation opportunities. Students will also have the opportunity to earn certifications in Adobe ACA After Effects, Adobe ACA Animate, and Autodesk Certified User (ACU) – Maya in this class. Class is taught at the Keller Center for Advanced Learning.





Graphic Design and Illustration I

TEDS: 13008800

KISD: 81322

Credit: 1

Grade: 10-12

Recommended prerequisite: Principles of Arts, Audio/Video Technology, and Communications

Careers in graphic design and illustration span all aspects of the advertising and visual communications industries. Within this context, in addition to developing knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications career cluster, students will be expected to develop an understanding of the industry with a focus on fundamental elements, principles of visual art and design, copyright law, and color theory and audience awareness. Students will work toward obtaining entry-level industry certifications for Adobe applications, including Photoshop, Illustrator, and InDesign. Class is taught at the Keller Center for Advanced Learning.

Graphic Design and Illustration II/ Graphic Design and Illustration II Lab

TEDS: 13008910

KISD: 81326

Credit: 2

Grade: 10-12

Recommended prerequisite: Graphic Design I

Careers in graphic design and illustration span all aspects of the advertising and visual communications industries. Within this context, in addition to developing knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications career cluster, students will be expected to develop an understanding of the industry with a focus on fundamental elements and principles of visual art and design. Students will learn about and use industry level print equipment including sublimation, plotter, digital print press, UV, laser, large format, and more. Class is taught at the Keller Center for Advanced Learning.

Practicum in Graphic Design and Illustration

TEDS: 13009000

KISD: 81328

Credit: 2

Grade: 11-12

Recommended prerequisite: Graphic Design II/ Graphic Design II Lab

Careers in graphic design and illustration span all aspects of the advertising and visual communications industry. Within this context, in addition to developing technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications career cluster, students will be expected to develop a technical understanding of the industry with a focus on skill proficiency. Instruction may be delivered through lab-based classroom experiences or career preparation opportunities. Students will take the knowledge and skills learned in levels I and II and use them to take job requests from start to finish with both internal and external customers. These job requests will include job receipt, customer contact (email and/or phone), design, production, product delivery, and invoicing. Class is taught at the Keller Center for Advanced Learning.

Commercial Photography I

TEDS: 13009100

KISD: 81332

Credit: 1

Grade: 10-12

Recommended prerequisite: Principles of Arts, Audio/Video Technology, and Communications

Careers in commercial photography require skills that span all aspects of the industry from setting up a shot to delivering products in a competitive market. In addition to developing knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop an understanding of the commercial photography industry with a focus on creating quality photographs. Class is taught at the Keller Center for Advanced Learning.

Digital Media

TEDS: 13027800

KISD: 82374

Credit: 1

Grade: 10-12

Recommended prerequisite: Principles of Arts, Audio/Video Technology, and Communications

Through the study of digital and interactive media and its application in information technology, students will analyze and assess current and emerging technologies, while designing and creating multimedia projects that address customer needs and resolve a problem. Students implement personal and interpersonal skills to prepare for a rapidly evolving workplace environment. The knowledge and skills acquired and practiced will enable students to successfully perform and interact in a technology-driven society. Students enhance reading, writing, computing, communication, and critical thinking and apply them to the information technology environment. Class is taught at the Keller Center for Advanced Learning.



Social Media Marketing

TEDS: 13034650

KISD: 82505

Credit: .5

Grade: 10-12

Recommended prerequisite: Principles of Business, Marketing, and Finance

Social Media Marketing is designed to look at the rise of social media and how it has transformed the business arena. Students will learn about the multi-disciplinary implications and how to manage a successful social media presence for an organization.

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Program of Study Course Sequence	9th Grade	10th Grade	11th Grade	12th Grade
Business	Principles of Business, Marketing, and Finance (1 credit)	Choose 1 of the following courses: Business Information Management I (1 credit), Accounting I (1 credit), Money Matters (1 credit) <i>Prerequisite:</i> <i>Principles of Business, Marketing, and Finance</i>	Choose 1 of the following courses: Business Information Management I (1 credit), Business Information Management II (1 credit), Business Management (1 credit), Accounting I (1 credit), Accounting II (1 credit), Money Matters (1 credit) <i>Prerequisite:</i> <i>Principles of Business, Marketing, and Finance and 1 additional business course</i>	Choose 1 of the following courses: Practicum in Business Management (2 credits), Business Information Management II (1 credit), Business Management (1 credit), Accounting II (1 credit), <i>Prerequisite: 3 credits of business courses</i>
Career Preparation	Principles of Business, Marketing, and Finance (1 credit)	Business Information Management I (1 credit) <i>Prerequisite:</i> <i>Principles of Business, Marketing, and Finance</i>	Money Matters (1 credit) <i>Prerequisite:</i> <i>Principles of Business, Marketing, and Finance</i>	Career Preparation I/Extended Career Preparation (3 credits) <i>Prerequisite:</i> <i>3 credits of Business courses</i>

Certifications / Certificate Opportunities Based on Program of Study
Microsoft Office Specialist (MOS) (Word, Excel, Power Point, Access, Outlook Excel & Word Expert, Master) Office Proficient Assessment (OPAC)
Career and Technical Student Organization (CTSO)
BPA—Business Professionals of America DECA—Academic Marketing Association FBLA—Future Business Leaders of America SkillsUSA

Additional Course Information
Credits: Accounting II can be used for math credit.
Fees: Career and Technical Student Organizations are co-curricular to the curriculum. Although membership is not required, it is highly encouraged for students to join their local CTSO chapter. Fees may apply.

Principles of Business, Marketing, and Finance



TEDS: 13011200

KISD: 81400

Credit: 1

Grade: 9-11

Recommended prerequisite: None

In Principles of Business, Marketing, and Finance, students gain knowledge and skills in economics and private enterprise systems, the impact of global business, marketing of goods and services, advertising, and product pricing. Students analyze the sales process and financial management principles. This course allows students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems and settings in business, marketing, and finance. **This course is also available online through the Keller ISD Virtual Learning Program.**

Business Information Management I



TEDS: 13011400

KISD: 81401

Credit: 1

Grade: 9-12

Recommended prerequisite: Principles of Business, Marketing, and Finance

Students implement personal and interpersonal skills to strengthen individual performance in the workplace and in society and make a successful transition to the workforce and postsecondary education. Students apply technical skills to address business applications of emerging technologies, create word-processing documents, develop a spreadsheet, formulate a database, and make an electronic presentation using appropriate software. **This course is also available online through the Keller ISD Virtual Learning Program.**



Business Information Management II

TEDS: 13011500

KISD: 81402

Credit: 1

Grade: 10-12

Recommended prerequisite: Business Information Management I

Students implement personal and interpersonal skills to strengthen individual performance in the workplace and in society and make a successful transition to the workforce or postsecondary education. Students apply technical skills to address business applications of emerging technologies, create complex word-processing documents, develop sophisticated spreadsheets using charts and graphs, and make an electronic presentation using appropriate multimedia software. Students will also have the opportunity to earn their Microsoft Office Specialist (MOS) certification in this class.

Money Matters

TEDS: 13016200

KISD: 81600

Credit: 1

Grade: 9-12

Recommended prerequisite: Principles of Business, Marketing, and Finance

Students will investigate global economics with emphasis on the free enterprise system and its impact on consumers and businesses. Students apply critical thinking skills to analyze financial options based on current and projected economic factors. Students will gain knowledge and skills necessary to set long term financial goals based on those options. Students will determine methods of achieving long term financial goals through investment, tax planning, asset allocation, risk management, retirement planning, and estate planning.

Business Management

TEDS: 13012100

KISD: 81405

Credit: 1

Grade: 10-12

Recommended prerequisite: Principles of Business, Marketing, and Finance

Students recognize, evaluate and prepare for a rapidly evolving global business environment that requires flexibility and adaptability. Students analyze the primary functions of management and leadership, which are planning, organizing, staffing, directing or leading, and controlling. Topics will incorporate social responsibility of business and industry. Students develop a foundation in the economic, financial, technological, international, social, and ethical aspects of business to become competent managers, employees, and entrepreneurs. Students incorporate a broad base of knowledge that includes the legal, managerial, marketing, financial, ethical, and international dimensions of business to make appropriate management decisions. **This course is also available online through the Keller ISD Virtual Learning Program.**

Accounting I

TEDS: 13016600

KISD: 81610

Credit: 1

Grade: 10-12

Recommended prerequisite: Principles of Business, Marketing, and Finance

Students investigate the field of accounting, including how it is impacted by industry standards as well as economic, financial, technological, international, social, legal, and ethical factors. Students reflect on this knowledge as they engage in the process of recording, classifying, summarizing, analyzing, and communicating accounting information. Students formulate and interpret financial information for use in management decision making.



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Accounting II

TEDS: 13016700

KISD: 81611

Credit: 1

Grade: 10-12

Recommended prerequisite: Accounting I

Students continue the investigation of the field of accounting, including how it is impacted by industry standards as well as economic, financial, technological, international, social, legal, and ethical factors. Students reflect on this knowledge as they engage in various managerial and cost accounting activities. Students formulate and interpret financial information for use in management decision making. This course counts as a math credit.

Practicum in Business Management

TEDS: 13012200

KISD: 81414

Credit: 2

Grade: 12

Recommended prerequisite: 3 credits of business courses

The Practicum is designed to give students supervised practical application of previously studied knowledge and skills. Practicum experiences occur in a paid or unpaid arrangement and a variety of locations appropriate to the nature and level of experience. Students implement personal and interpersonal skills to strengthen individual performance in the workplace and in society and to make a successful transition to the workforce or postsecondary education. Students apply technical skills to address business applications of emerging technologies. Students develop a foundation in the economic, financial, technological, international, social, and ethical aspects of business to become competent consumers, employees, and entrepreneurs. Students enhance reading, writing, computing, communication, and reasoning skills and apply them to the business environment. Students incorporate a broad base of knowledge that includes the legal, managerial, marketing, financial, ethical, and international dimensions of business to make appropriate business decisions.

Career Preparation I/ Extended Career Preparation

TEDS: 12701305

KISD: 81003

Credit: 3

Grade: 11-12

Recommended prerequisite: 3 credits of business courses

This course is a work-based instructional arrangement, which develops essential knowledge and skills through classroom, technical knowledge and on the job internships in any approved career-tech specific training area. Internship placement must be teacher approved and fall within the guidelines and requirements in order for students to qualify for enrollment in this program.



Global Business

TEDS: 13011800

KISD: Z83050

Credit: .5

Grade: 10-12

Recommended prerequisite: 3 credits of virtual business courses

Students implement personal and interpersonal skills to strengthen individual performance in the workplace and in society and to make a successful transition to the workforce and postsecondary education. Students apply technical skills to address global business applications of emerging technologies. Students develop a foundation in the economic, financial, technological, international, social, and ethical aspects of business to become competent consumers, employees, and entrepreneurs. Students enhance reading, writing, computing, communication, and reasoning skills and apply them to the business environment. **This course is only available as an online course through the Keller ISD Virtual Learning program for students doing the online General Business endorsement.**

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Virtual Business

TEDS: 13012000

KISD: Z83051

Credit: .5

Grade: 10-12

Recommended prerequisite: 3 credits of virtual business courses

Students incorporate a broad base of knowledge that includes the legal, managerial, marketing, financial, ethical, and international dimensions of business to make appropriate business decisions. Students will be able to identify steps needed to locate customers, set fees, and develop client contracts. Students will be able to provide administrative, creative, and technical services using advanced technological modes of communication and data delivery. The student builds a functional website that incorporates the essentials of a virtual business. **This course is only available as an online course through the Keller ISD Virtual Learning program for students doing the online General Business endorsement.**



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Business Communications*				
Program of Study Course Sequence	9th Grade	10th Grade	11th Grade	12th Grade
Debate	Debate I (1 credit)	Debate II (1 credit) OR Oral Interpretation I (1 credit) <i>Prerequisite:</i> <i>Debate I</i>	Debate III (1 credit) OR Oral Interpretation II (1 credit) <i>Prerequisite:</i> <i>2 credits in Debate pathway</i>	Independent Study in Speech (1 credit) <i>Prerequisite:</i> <i>3 credits in Debate pathway</i>
Broadcast Journalism	Contemporary Media (1 credit)	Advanced Broadcast Journalism I (1 credit) <i>Prerequisite:</i> <i>Contemporary Media</i>	Advanced Broadcast Journalism II (1 credit) <i>Prerequisite:</i> <i>Advanced Broadcast Journalism I</i>	Advanced Broadcast Journalism III (1 credit) <i>Prerequisite:</i> <i>Advanced Broadcast Journalism II</i>
Newspaper	Contemporary Media (1 credit)	Newspaper I (1 credit) <i>Prerequisite:</i> <i>Contemporary Media</i>	Newspaper II (1 credit) <i>Prerequisite: Newspaper I</i>	Newspaper III (1 credit) <i>Prerequisite: Newspaper II</i>
Yearbook	Contemporary Media (1 credit)	Yearbook I (1 credit) <i>Prerequisite:</i> <i>Contemporary Media</i>	Yearbook II (1 credit) <i>Prerequisite: Yearbook I</i>	Yearbook III (1 credit) <i>Prerequisite: Yearbook II</i>

*Denotes non-CTE Pathways

Student Organizations
<p>Forensics Debate Club Campus Newspaper Campus Yearbook</p>

Debate I-III

TEDS: 03240600 I KISD: 1403
 TEDS: 03240700 II KISD: 1413
 TEDS: 03240800 III ☒ KISD: 1423

Credit: 1

Grade: 9-12

Recommended prerequisite: Debate I

Controversial issues arise in aspects of personal, social public, and professional life in modern society. Debate and argumentation are widely used to make decisions and reduce conflict. Students who develop skills in argumentation and debate become interested in current issues, develop sound critical thinking, and sharpen communication skills. They acquire life-long skills for intelligently approaching controversial issues.

Oral Interpretation I-II

TEDS: 03240200 I KISD: 1462
 TEDS: 03240300 II KISD: 1471

Credit: 1

Grade: 10-12

Recommended prerequisite: Debate I

Literature and its presentation are integral to understanding the cultural aspects of a society. Students in Oral Interpretation I-II will select, research, analyze, adapt, interpret, and perform literary texts as a communication art. Students focus on intellectual, emotional, sensory, and aesthetic levels of texts to attempt to capture the entirety of the author's work. Individual or group performances of literature will be presented and evaluated. Competitive events are required.

Independent Study in Speech

TEDS: 03241200

KISD: 1463

Credit: 1

Grade: 10-12

Recommended prerequisite: 3 credits in debate pathway

Communication skills are important in all aspects of life. Students who have mastered concepts and developed skills in introductory courses should be provided with opportunities to extend their knowledge and expand their skills in more advanced study. Independent Study in Speech provides opportunities for advanced students to plan, organize, produce, perform, and evaluate a project that enables them to develop advanced skills in communication, critical thinking, and problem solving.

Contemporary Media

TEDS: 03241401

KISD: 1365

Credit: 1

Grade: 9-12

Recommended prerequisite: None

In this course, students will learn to identify the history and evolution of media used for mass communication, specifically how media influences tastes, behavior, purchasing, and voting decisions. Students who are media literate understand television, radio, film, and other visual images and auditory messages. They will learn to recognize the types and functions of mass media, such as television, radio, Internet, podcast, YouTube, newspaper, periodicals, blogs, social networking, emailing, texting, search engines, and music. They will identify and analyze regulations that govern media and interpret the influence of that media. They will also analyze, create, and evaluate visual and auditory messages, including developing skills for organizing, writing, and designing media messages for specific purposes and effects. *This course can fulfill the 21st century skill requirement for students in the broadcast journalism, yearbook, or newspaper pathways only.*

Advanced Journalism Newspaper I-III

TEDS: 03230140

I

KISD: 13331

TEDS: 03230150

II

KISD: 13332

TEDS: 03230160

III

KISD: 13333

Credit: 1

Grade: 10-12

Recommended prerequisite: Contemporary Media

Students enrolled in Advanced Journalism: Newspaper I, II, III communicate in a variety of forms such as print, digital, or online media for a variety of audiences and purposes. High school students are expected to plan, draft, and complete written and/or visual communications on a regular basis, carefully examining their copy for clarity, engaging language, and the correct use of the conventions and mechanics of written English. In Advanced Journalism: Newspaper I, II, III, students are expected to become analytical consumers of media and technology to enhance their communication skills. In addition, students will apply journalistic ethics and standards. Published works of professional journalists, technology, and visual and electronic media are used as tools for learning as students create, clarify, critique, write, and produce effective communications. Students enrolled in Advanced Journalism: Newspaper I, II, III will refine and enhance their journalistic skills, research self-selected topics, and plan, organize, and prepare a project(s) in one or more forms of media.



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Advanced Journalism Yearbook I-III

TEDS: 03230110 I **KISD:** 13531

TEDS: 03230120 II **KISD:** 13532

TEDS: 03230130 III **KISD:** 13533

Credit: 1

Grade: 10-12

Recommended prerequisite: Contemporary Media

Students enrolled in Advanced Journalism: Yearbook I, II, III communicate in a variety of forms such as print, digital, or online media for a variety of audiences and purposes. High school students are expected to plan, draft, and complete written and/or visual communications on a regular basis, carefully examining their copy for clarity, engaging language, and the correct use of the conventions and mechanics of written English. In Advanced Journalism: Yearbook I, II, III, students are expected to become analytical consumers of media and technology to enhance their communication skills. In addition, students will apply journalistic ethics and standards. Published works of professional journalists, technology, and visual and electronic media are used as tools for learning as students create, clarify, critique, write, and produce effective communications. Students enrolled in Advanced Journalism: Yearbook I, II, III will refine and enhance their journalistic skills, research self-selected topics, and plan, organize, and prepare a project(s) in one or more forms of media.



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Advanced Broadcast Journalism I-III

TEDS: 03231900 I **KISD:** 1313

TEDS: 03231901 II **KISD:** 13231

TEDS: 03231902 III **KISD:** 13232

Credit: 1

Grade: 10-12

Recommended prerequisite: Contemporary Media

Students need to be critical viewers, consumers, and producers of media. The ability to access, analyze, evaluate, and produce communication in a variety of forms is an important part of language development. High school students enrolled in this course will apply and use their journalistic skills for a variety of purposes. Students will learn the laws and ethical considerations that affect broadcast journalism; learn the role and function of broadcast journalism; critique and analyze the significance of visual representations; and learn to produce by creating a broadcast journalism product.

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Finance

Program of Study Course Sequence	9th Grade	10th Grade	11th Grade	12th Grade
Finance	Principles of Business, Marketing, and Finance (1 credit)	Money Matters (1 credit) <i>Prerequisite: Principles of Business, Marketing, and Finance</i>	Statistics and Business Decision Making (1 credit) <i>Prerequisite: Algebra II</i>	Practicum in Business Management (2 credits) <i>Prerequisite: 3 credits of Business courses</i>

Certifications / Certificate Opportunities Based on Program of Study
Everfi Financial Literacy
Career and Technical Student Organization (CTSO)
BPA—Business Professionals of America

Additional Course Information
Credits: Statistics and Business Decision Making can be used for math credit.
Fees: Career and Technical Student Organizations are co-curricular to the curriculum. Although membership is not required, it is highly encouraged for students to join their local CTSO chapter. Fees may apply.

Principles of Business, Marketing, and Finance



TEDS: 13011200

KISD: 81400

Credit: 1

Grade: 9-11

Recommended prerequisite: None

In Principles of Business, Marketing, and Finance, students gain knowledge and skills in economics and private enterprise systems, the impact of global business, marketing of goods and services, advertising, and product pricing. Students analyze the sales process and financial management principles. This course allows students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems and settings in business, marketing, and finance. **This course is also available online through the Keller ISD Virtual Learning Program.**

Money Matters

TEDS: 13016200

KISD: 81600

Credit: 1

Grade: 9-12

Recommended prerequisite: Principles of Business, Marketing, and Finance

Students will investigate global economics with emphasis on the free enterprise system and its impact on consumers and businesses. Students apply critical thinking skills to analyze financial options based on current and projected economic factors. Students will gain knowledge and skills necessary to set long term financial goals based on those options. Students will determine methods of achieving long term financial goals through investment, tax planning, asset allocation, risk management, retirement planning, and estate planning.

Statistics and Business Decision Making

TEDS: 13016900



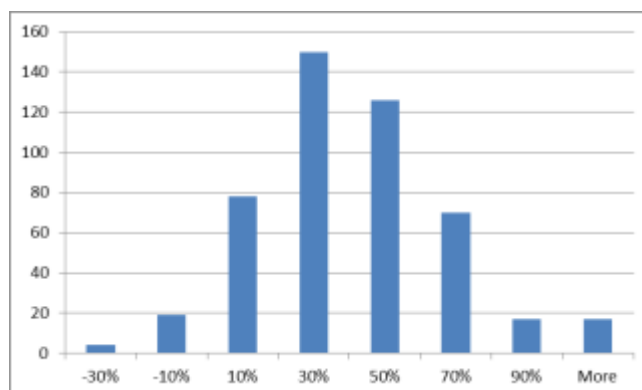
KISD: 81621

Credit: 1

Grade: 11-12

Recommended prerequisite: Algebra II

Students will use a variety of graphical and numerical techniques to analyze patterns and departures from patterns to identify and manage risk that could impact an organization. Students will use probability as a tool for anticipating and forecasting data within business models to make decisions. Students will explore careers in the area of risk management and will learn to plan, monitor, and control day-to-day activities to enable continued functioning in finance. Students will analyze accounting systems to examine financial stability. Students will explain the role and impact of dividends in corporate finance. Students will access, process, maintain, evaluate, and disseminate, financial information to assist business decision-making. This course counts as a math credit.



Practicum in Business Management

TEDS: 13012200

KISD: 81414

Credit: 2

Grade: 12

Recommended prerequisite: 3 credits of business courses

The Practicum is designed to give students supervised practical application of previously studied knowledge and skills. Practicum experiences occur in a paid or unpaid arrangement and a variety of locations appropriate to the nature and level of experience. Students implement personal and interpersonal skills to strengthen individual performance in the workplace and in society and to make a successful transition to the workforce or postsecondary education. Students apply technical skills to address business applications of emerging technologies. Students develop a foundation in the economic, financial, technological, international, social, and ethical aspects of business to become competent consumers, employees, and entrepreneurs. Students enhance reading, writing, computing, communication, and reasoning skills and apply them to the business environment. Students incorporate a broad base of knowledge that includes the legal, managerial, marketing, financial, ethical, and international dimensions of business to make appropriate business decisions.



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Program of Study Course Sequence	9th Grade	10th Grade	11th Grade	12th Grade
Culinary Arts	Professional Communications (.5 credit) AND Touch System Data Entry (.5 credit) OR Principles of Human Services (1 credit)	Introduction to Culinary Arts (1 Credit)	Culinary Arts (2 Credits) <i>Prerequisite: Introduction to Culinary Arts</i>	Practicum in Culinary Arts (2 Credits) <i>Prerequisite: Culinary Arts</i>

Classes that are shaded gray will be taught at the Keller Center for Advanced Learning

Certifications / Certificate Opportunities Based on Program of Study
TX Food Handler ServSafe Food Protection
Career and Technical Student Organization (CTSO)
SkillsUSA FCCLA—Family Career & Community Leaders of America ProStart

Additional Course Information
Fees: Career and Technical Student Organizations are co-curricular to the curriculum. Although membership is not required, it is highly encouraged for students to join their local CTSO chapter. Fees may apply.
Location: Courses shaded in gray will be held at the Keller Center for Advanced Learning.

Professional Communications

TEDS: 13009900

KISD: 1465

Credit: .5

Grade: 9-12

Recommended prerequisite: None

Professional Communications blends written, oral, and graphic communication in a career-based environment. Careers in the global economy require individuals to be creative and have a strong background in computer and technology applications, a strong and solid academic foundation, and a proficiency in professional oral and written communication. Within this text, students will be expected to develop and expand the ability to write, read, edit, speak, listen, apply software applications, manipulate computer graphics, and conduct Internet research. **This course is also available online through the Keller ISD Virtual Learning Program.**



Touch System Data Entry

TEDS: 13011300

KISD: 81403

Credit: .5

Grade: 9-12

Recommended prerequisite: None

Students apply technical skills to address business applications of emerging technologies. Students enhance reading, writing, computing, communication, and reasoning skills and apply them to the business environment. Students will need to apply touch system data entry for production of business documents. **This course is also available online through the Keller ISD Virtual Learning Program.**



Principles of Human Services

TEDS: 13024200

KISD: 82100

Credit: 1

Grade: 9-11

Recommended prerequisite: None

This laboratory course will enable students to investigate careers in the human services career cluster, including counseling and mental health, early childhood development, family and community, education and training, hospitality, fashion and interior design, and personal care services. Each student is expected to complete the knowledge and skills essential for success in high-skill, high-wage, or high-demand human services careers. Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extracurricular organizations.

Introduction to Culinary Arts

TEDS: 13022550

KISD: 81901

Credit: 1

Grade: 10-12

Recommended prerequisite: None

The Hospitality and Tourism Career Cluster focuses on the management, marketing, and operations of restaurants and other food/beverage services, lodging, attractions, recreation events, and travel-related services. This course will emphasize the principles of planning, organizing, staffing, directing, and controlling the management of a variety of food service operations. It will provide insight into the operation of a well-run restaurant. Introduction to Culinary Arts will provide insight into food production skills, various levels of industry management, and hospitality skills. This is an entry-level course for students interested in pursuing a career in the food service industry. This course is offered as a classroom and laboratory-based course.

Culinary Arts

TEDS: 13022600

KISD: 81902

Credit: 2

Grade: 10-12

Recommended prerequisite: Introduction to Culinary Arts

Culinary Arts begins with the fundamentals and principles of the art of cooking and the science of baking and includes management and production skills and techniques. Students can pursue a national sanitation certification, a Texas culinary specialist certification, or other appropriate industry certification. This course will be offered as a laboratory-based course. Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extracurricular organizations. Class is taught at the Keller Center for Advanced Learning.

Practicum in Culinary Arts

TEDS: 13022700

KISD: 81905

Credit: 2

Grade: 11-12

Recommended prerequisite: Culinary Arts

This course is a unique practicum that provides occupationally specific opportunities for students to participate in a learning experience that combines classroom instruction with actual business and industry career experiences. Practicum in Culinary Arts integrates academic and career and technical education; provides more interdisciplinary instruction; and supports strong partnerships among schools, businesses, and community institutions with the goal of preparing students with a variety of skills in a fast-changing workplace. Class is taught at the Keller Center for Advanced Learning.





Program of Study Course Sequence	9th Grade	10th Grade	11th Grade	12th Grade
Networking Systems/ Maintenance	Professional Communications (.5 credit) and Touch System Data Entry (.5 credit)	Computer Maintenance (1 Credit) <i>Prerequisite:</i> <i>None</i>	Networking/Networking Lab (2 Credits) <i>Prerequisite:</i> <i>Computer Maintenance</i>	Practicum in Information Technology: Networking Systems/Maintenance (2 credits) <i>Prerequisite:</i> <i>Computer Maintenance and Networking/Networking Lab</i>

Classes that are shaded gray will be taught at the Keller Center for Advanced Learning

Certifications / Certificate Opportunities Based on Program of Study
A+ Certification
Career and Technical Student Organization (CTSO)
SkillsUSA

Additional Course Information
Fees: Career and Technical Student Organizations are co-curricular to the curriculum. Although membership is not required, it is highly encouraged for students to join their local CTSO chapter. Fees may apply.
Location: Courses shaded in gray will be held at the Keller Center for Advanced Learning.

Professional Communications

TEDS: 13009900

Credit: .5

Grade: 9-12

Recommended prerequisite: None

Professional Communications blends written, oral, and graphic communication in a career-based environment. Careers in the global economy require individuals to be creative and have a strong background in computer and technology applications, a strong and solid academic foundation, and a proficiency in professional oral and written communication. Within this text, students will be expected to develop and expand the ability to write, read, edit, speak, listen, apply software applications, manipulate computer graphics, and conduct Internet research. **This course is also available online through the Keller ISD Virtual Learning Program.**



KISD: 1465

Touch System Data Entry

TEDS: 13011300

Credit: .5

Grade: 9-12

Recommended prerequisite: None

Students apply technical skills to address business applications of emerging technologies. Students enhance reading, writing, computing, communication, and reasoning skills and apply them to the business environment. Students will need to apply touch system data entry for production of business documents. **This course is also available online through the Keller ISD Virtual Learning Program.**



KISD: 81403



Computer Maintenance

TEDS: 13027300

KISD: 82311

Credit: 1

Grade: 10-12

Recommended prerequisite: None

Students acquire principles of computer maintenance, including electrical and electronic theory, computer hardware principles, and broad level components related to the installation, diagnosis, service, and repair of computer systems. To prepare for success, students must have opportunities to reinforce, apply, and transfer knowledge and skills to a variety of settings and problems. Class is taught at the Keller Center for Advanced Learning.

Networking/Networking Lab

TEDS: 13027410

KISD: 82322

Credit: 2

Grade: 11-12

Recommended prerequisite: Computer Maintenance

Students develop knowledge of the concepts and skills related to telecommunications and data networking technologies and practices in order to apply them to personal or career development. To prepare for success, students will have opportunities to reinforce, apply, and transfer knowledge and skills to a variety of settings and problems. Class is taught at the Keller Center for Advanced Learning.

Practicum in Information Technology: Networking Systems/Maintenance

TEDS: 13028000

KISD: 82366

Credit: 2

Grade: 12

Recommended prerequisite: Computer Maintenance and Networking/Networking Lab

Students develop computer literacy skills to adapt to emerging technologies used in the global marketplace. Students implement personal and interpersonal skills to prepare for a rapidly evolving workplace environment. Students enhance reading, writing, computing, communications, and reasoning skills and apply them to the information technology environment. Critical thinking, IT experience, and product development may be conducted in a classroom setting with an industry mentor, as an internship, as part of a capstone project, or as career preparation. Class is taught at the Keller Center for Advanced Learning.



Program of Study Course Sequence	9th Grade	10th Grade	11th Grade	12th Grade
Marketing	Principles of Business, Marketing & Finance (1 credit)	Advertising (.5 credit) AND one or more of the following courses: Fashion Marketing (.5 credit), Sports & Entertainment Marketing (.5 credit), Social Media Marketing (.5 credit) <i>Prerequisite:</i> <i>Principles of Business, Marketing, & Finance</i>	Advanced Marketing (2 credits) <i>Prerequisite:</i> <i>2 credits of marketing courses</i>	Practicum in Marketing (2 credits) <i>Prerequisite:</i> <i>Advanced Marketing</i> AND/OR Statistics and Business Decision Making (1 credit) <i>Prerequisite:</i> <i>Algebra II</i>

Certifications / Certificate Opportunities Based on Program of Study
<p>Everfi Venture</p> <p>Microsoft Office Specialist Certification (MOS) (Word, Excel, PowerPoint, Access, Expert)</p>
Career and Technical Student Organization (CTSO)
<p>BPA—Business Professionals of America</p> <p>DECA—Academic Marketing Organization</p> <p>FBLA—Future Business Leaders of America</p>

Additional Course Information
<p>Credits: Statistics and Business Decision Making can be used for math credit.</p> <p>Fees: Career and Technical Student Organizations are co-curricular to the curriculum. Although membership is not required, it is highly encouraged for students to join their local CTSO chapter. Fees may apply.</p>

Principles of Business, Marketing, and Finance



TEDS: 13011200

KISD: 81400

Credit: 1

Grade: 9-11

Recommended prerequisite: None

In Principles of Business, Marketing, and Finance, students gain knowledge and skills in economics and private enterprise systems, the impact of global business, marketing of goods and services, advertising, and product pricing. Students analyze the sales process and financial management principles. This course allows students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems and settings in business, marketing, and finance. **This course is also available online through the Keller ISD Virtual Learning Program.**

Advertising

TEDS: 13034200

KISD: 82501

Credit: .5

Grade: 10-12

Recommended prerequisite: Principles of Business, Marketing, and Finance

Advertising is designed as a comprehensive introduction to the principles and practices of advertising. Students will gain knowledge of techniques used in current advertising, including print, broadcast, and digital media. The course explores the social, ethical, and legal issues of advertising; historical influences, strategies, and media decision processes as well as integrated marketing communications. The course provides an overview of how communication tools can be used to reach target audiences and increase consumer knowledge.

Fashion Marketing

TEDS: 13034300

KISD: 82502

Credit: .5

Grade: 10-12

Recommended prerequisite: Principles of Business, Marketing, and Finance

Fashion Marketing is designed to provide students with knowledge of the various business functions in the fashion industry. Students in Fashion Marketing will gain a working knowledge of promotion, textiles, merchandising, mathematics, selling, visual merchandising, and career opportunities.

Sports and Entertainment Marketing

TEDS: 13034600

KISD: 82504

Credit: .5

Grade: 10-12

Recommended prerequisite: Principles of Business, Marketing, and Finance

This course will provide students with a thorough understanding of the marketing concepts and theories that apply to sports and sporting events and entertainment. The areas this course will cover include basic marketing, target marketing and segmentation, sponsorship, event marketing, promotions, sponsorship proposals, and implementation of sports and entertainment marketing plans. This course will also provide students an opportunity to develop promotional plans, sponsorship proposals, endorsement contracts, sports and entertainment marketing plans, and evaluation and management techniques.

Social Media Marketing

TEDS: 13034650

KISD: 82505

Credit: .5

Grade: 10-12

Recommended prerequisite: Principles of Business, Marketing, and Finance

Social Media Marketing is designed to look at the rise of social media and how it has transformed the business arena. Students will learn about the multi-disciplinary implications and how to manage a successful social media presence for an organization.

Advanced Marketing

TEDS: 13034700

KISD: 82511

Credit: 2

Grade: 11-12

Recommended prerequisite: 2 credits of marketing courses

Advanced Marketing is a series of activities that focus on the customer to generate a profitable exchange. Students gain knowledge and skills that help them to be proficient in one or more of the marketing functional areas associated with distribution, financing, marketing information management, pricing, product planning, promotion, purchasing, risk management, and selling skills. Students integrate skills from academic subjects, information technology, interpersonal communication, and management training to make responsible decisions. This course may include paid or unpaid career preparation experience.

Practicum in Marketing

TEDS: 13034800

KISD: 82513

Credit: 2

Grade: 12

Recommended prerequisite: Advanced Marketing

Through course-required employment, students gain knowledge and skills that help them become proficient in one or more of the marketing functional areas. Students will illustrate appropriate management and research skills to create the marketing mix. This course covers technology, communication, and customer-service skills. The practicum is designed to give students supervised practical application of previously studied knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience. The practicum course is a paid or unpaid experience for students participating in a coherent sequence of career and technical education courses in marketing education.

Practicum in Marketing/ Extended Practicum in Marketing

TEDS: 13034805

KISD: 82514

Credit: 3

Grade: 12

Recommended prerequisite: Advanced Marketing

Through course-required employment, students gain knowledge and skills that help them become proficient in one or more of the marketing functional areas associated with distribution, financing, marketing information management, pricing, product planning, promotion, purchasing, risk management, and selling skills. Students will illustrate appropriate management and research skills to create the marketing mix. This course covers technology, communication, and customer-service skills. The practicum is designed to give students supervised practical application of previously studied knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience. The practicum course is a paid or unpaid experience for students participating in a coherent sequence of career and technical education courses in marketing education. Students who take the Extended Practicum in Marketing will receive a series of dynamic activities that focus on the customer to generate a profitable exchange. Students will integrate skills from academic subjects, information technology, interpersonal communication, and management training to make responsible decisions.

Statistics and Business Decision Making

TEDS: 13016900



KISD: 81621

Credit: 1

Grade: 11-12

Recommended prerequisite: Algebra II

Students will use a variety of graphical and numerical techniques to analyze patterns and departures from patterns to identify and manage risk that could impact an organization. Students will use probability as a tool for anticipating and forecasting data within business models to make decisions. Students will explore careers in the area of risk management and will learn to plan, monitor, and control day-to-day activities to enable continued functioning in finance. Students will analyze accounting systems to examine financial stability. Students will explain the role and impact of dividends in corporate finance. Students will access, process, maintain, evaluate, and disseminate, financial information to assist business decision-making. This course counts as a math credit.



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Program of Study Course Sequence	9th Grade	10th Grade	11th Grade	12th Grade
Automotive	Automotive Basics (1 credit)	Automotive Technology I: Maintenance and Light Repair (2 credits) <i>Prerequisite:</i> <i>Automotive Basics</i>	Automotive Technology II: Automotive Service (2 credits) <i>Prerequisite:</i> <i>Automotive Technology I</i>	Practicum in Transportation Systems (2 credits) <i>Prerequisite:</i> <i>Automotive Technology II</i>

Classes that are shaded gray will be taught at the Keller Center for Advanced Learning

Certifications / Certificate Opportunities Based on Program of Study
ASE Student Certification SP2 Environmental 609 HVAC Certification
Career and Technical Student Organization (CTSO)
SkillsUSA

Additional Course Information
Fees: Career and Technical Student Organizations are co-curricular to the curriculum. Although membership is not required, it is highly encouraged for students to join their local CTSO chapter. Fees may apply.
Location: Courses shaded in gray will be held at the Keller Center for Advanced Learning.

Automotive Basics

TEDS: 13039550

KISD: 82730

Credit: 1

Grade: 9-11

Recommended prerequisite: None

Automotive Basics includes knowledge of the basic automotive systems and the theory and principles of the components that make up each system and how to service these systems. Automotive Basics includes applicable safety and environmental rules and regulations. In Automotive Basics, students will gain knowledge and skills in the repair, maintenance, and servicing of vehicle systems. This study allows students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems, and settings. The focus of this course is to teach safety, tool identification, proper tool use, and employability. This course is taught at the Keller Center for Advanced Learning.

Automotive Technology I: Maintenance and Light Repair

TEDS: 13039600

KISD: 82731

Credit: 2

Grade: 10-12

Recommended prerequisite: Automotive Basics

This course is designed to include knowledge of the major automotive systems and the principles of diagnosing and servicing these systems. It includes applicable safety and environmental rules and regulations. Students will gain knowledge and skills in the repair, maintenance, and diagnosis of vehicle systems. This study will allow students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems, and settings. The focus of this course is to teach safety, tool identification, proper tool use, and employability. This course is taught at the Keller Center for Advanced Learning.

Automotive Technology II: Automotive Services

TEDS: 13039700

KISD: 82732

Credit: 2

Grade: 11-12

Recommended prerequisite: Automotive Technology I: Maintenance and Light Repair

This course is designed to include knowledge of the major automotive systems and the principles of diagnosing and servicing these systems. It includes applicable safety and environmental rules and regulations. Students will gain knowledge and skills in the repair, maintenance, and diagnosis of vehicle systems. This study will allow students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems, and settings. The focus of this course is to teach safety, tool identification, proper tool use, and employability. This course is taught at the Keller Center for Advanced Learning.

Practicum in Transportation Systems

TEDS: 13040450

KISD: 82762

Credit: 2

Grade: 12

Recommended prerequisite: Automotive Technology II: Automotive Services

The Transportation, Career Cluster focuses on planning, management, and movement of people, materials, and goods by road, pipeline, air, rail, and water. It also covers related professional support services such as transportation infrastructure planning and management, logistics services, mobile equipment, and facility maintenance. This practicum is designed to give students supervised practical application of knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience such as internships, mentorships, independent study, or laboratories. The Practicum can be either school lab based or worked based. This course is taught at the Keller Center for Advanced Learning.



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Public Services



Program of Study Course Sequence	9th Grade	10th Grade	11th Grade	12th Grade	Optional Electives
Teaching and Training	Principles of Education and Training (1 credit)	Human Growth and Development (1 credit) <i>Prerequisite: Principles of Education & Training</i>	Instructional Practices (2 credits) OR Child Guidance (2 credits) <i>Prerequisite: Human Growth and Development</i>	Practicum in Education & Training (2 credits) <i>Prerequisite: Instructional Practices or Child Guidance</i>	Counseling and Mental Health (1 credit)

Certifications / Certificate Opportunities Based on Program of Study
CPR Certification / BLS Education Fundamentals Pre-Pac Certification
Career and Technical Student Organization (CTSO)
FCCLA—Family Career & Community Leaders of America TAFE—Texas Association of Future Educators

Additional Course Information
Fees: Career and Technical Student Organizations are co-curricular to the curriculum. Although membership is not required, it is highly encouraged for students to join their local CTSS chapter. Fees may apply.

Principles of Education and Training

TEDS: 13014200

KISD: 81500

Credit: 1

Grade: 9-11

Recommended prerequisite: None

Principles of Education and Training is designed to introduce learners to the various careers available within the education and training career cluster. Students use self-knowledge and educational and career information to analyze various careers essential to careers within the education and training career cluster.

Human Growth and Development

TEDS: 13014300

KISD: 81501

Credit: 1

Grade: 10-12

Recommended prerequisite: Principles of Education and Training

Human Growth and Development is an examination of human development across the lifespan with emphasis upon research, theoretical perspectives, and common physical, cognitive, emotional, and social developmental milestones. The course covers material that is generally taught in a postsecondary, one-semester introductory course in Developmental Psychology or Human Development.

Instructional Practices

TEDS: 13014400

KISD: 81502

Credit: 2

Grade: 11-12

Recommended prerequisite: Human Growth and Development

Instructional Practices in Education and Training is a field-based internship that provides students with background knowledge of child and adolescent development as well as principles of effective teaching and training practices. Students work under the joint direction and supervision of both a teacher with knowledge of early childhood education and exemplary educators or trainers in direct instructional roles with elementary, middle school, and high school aged students. Students learn to plan and direct individualized instruction and group activities, prepare instructional materials, develop materials for educational environments, assist with record keeping, and complete other responsibilities of teachers, trainers, paraprofessionals, or other educational personnel.

Child Guidance

TEDS: 13024800

KISD: 82104

Credit: 2

Grade: 11-12

Recommended prerequisite: Human Growth and Development

This technical laboratory course addresses the knowledge and skills related to child growth and guidance equipping students to develop positive relationships with children and effective caregiver skills. Students use these skills to promote the well-being and healthy development of children, strengthen a culturally diverse society, and pursue careers related to the care, guidance, and education of children, including those with special needs. Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extracurricular organizations.

Practicum in Education and Training

TEDS: 13014500

KISD: 81504

Credit: 2

Grade: 12

Recommended prerequisite: Instructional Practices or Child Guidance

Practicum in Education and Training is a field-based internship that provides students background knowledge of child and adolescent development principles as well as principles of effective teaching and training practices. Students in the course work under the joint direction and supervision of both a teacher with knowledge of early childhood education and exemplary educators in direct instructional roles with elementary, middle school, and high school aged students. Students learn to plan and direct individualized instruction and group activities, prepare instructional materials, assist with record keeping, make physical arrangements, and complete other responsibilities of classroom teachers, trainers, paraprofessionals, or other educational personnel.

Counseling and Mental Health

TEDS: 13024600

KISD: 82102

Credit: 1

Grade: 11-12

Recommended prerequisite: Human Growth and Development

Students model the knowledge and skills necessary to pursue a counseling and mental health career through simulated environments. Students are expected to apply knowledge of ethical and legal responsibilities, limitations, and the implications of their actions. Professional integrity in counseling and mental health care is dependent on acceptance of ethical and legal responsibilities.





Program of Study Course Sequence	9th Grade	10th Grade	11th Grade	12th Grade
Health Science: Biomedicine	Medical Terminology (1 credit)	Health Science Theory (1 credit) <i>Prerequisite:</i> **Principles of Health Science, Medical Terminology, and Biology	Medical Microbiology (1 credit) AND Anatomy and Physiology (at KCAL) (1 credit) <i>Prerequisite: Health Science Theory and Biology</i>	World Health Research (1 credit) AND Pathophysiology (1 credit) <i>Prerequisite: 3 credits in Health Science Program</i>
Health Science: Clinical Rotations	Medical Terminology (1cCredit)	Health Science Theory (1 credit) <i>Prerequisite:</i> **Principles of Health Science, Medical Terminology, and Biology	Anatomy and Physiology (home campus) (1 credit) AND Practicum in Health Science I: Clinical Rotations (2 Credits) <i>Prerequisite: Health Science Theory and Biology</i>	Practicum in Health Science II: Clinical Rotations (2 credits) OR Practicum in Health Science II PCT (2 credits) <i>Prerequisite: Health Science Theory and Biology</i>
Health Science: Certified Nursing Assistant (CNA)	Medical Terminology (1 credit)	Health Science Theory (1 credit) <i>Prerequisite:</i> **Principles of Health Science, Medical Terminology, and Biology	Anatomy and Physiology (home campus) (1 credit) AND Practicum in Health Science I: CNA (2 credits) <i>Prerequisite: Health Science Theory and Biology</i>	Practicum in Health Science II: CNA (2 credits) OR Practicum in Health Science II: PCT (2 credits) <i>Prerequisite: Health Science Theory and Biology</i>
Health Science: Emergency Medical Technician (EMT)	Medical Terminology (1 credit)	Health Science Theory (1 credit) <i>Prerequisite:</i> **Principles of Health Science, Medical Terminology, and Biology	Anatomy and Physiology (at KCAL) (1 credit) AND Pathophysiology (1 credit) <i>Prerequisite: Health Science Theory and Biology</i>	Practicum in Health Science I: EMT (2 credits) <i>Prerequisite: Health Science Theory and Biology</i>
Health Science: Pharmacy (2020-2021 freshmen, sophomores, and juniors)	Medical Terminology (1 credit)	Health Science Theory (1 credit) <i>Prerequisite:</i> **Principles of Health Science, Medical Terminology, and Biology	Anatomy and Physiology (home campus) (1 credit) AND Pharmacology (1 credit) <i>Prerequisite: Health Science Theory and Biology</i>	Practicum in Health Science I: Pharmacy (2 credits) <i>Prerequisite: Health Science Theory and Biology</i>
Health Science: Pharmacy (2020-2021 seniors)	Medical Terminology (1 credit)	Health Science Theory (1 credit) <i>Prerequisite:</i> **Principles of Health Science, Medical Terminology, and Biology	Practicum in Health Science I: Pharmacy (2 credits) <i>Prerequisite: Health Science Theory and Biology</i>	Practicum in Health Science II: Pharmacy (2 credits) <i>Prerequisite: Health Science Theory and Biology</i>
Health Science: Sports Medicine	Medical Terminology (1 credit)	Sports Medicine I (1 credit) <i>Prerequisite:</i> **Principles of Health Science, Medical Terminology, and Biology	Anatomy and Physiology (1 credit) AND Sports Medicine II (1 credit) <i>Prerequisite: Sports Medicine I</i>	Practicum in Health Science I: Sports Medicine (2 credits) <i>Prerequisite: Sports Medicine II</i>

Classes that are shaded gray will be taught at the Keller Center for Advanced Learning

****Principles of Health Science (recommended pre-requisite) is offered in 8th grade.****

Certifications / Certificate Opportunities Based on Program of Study
CPR (Biomedicine) OSHA (Biomedicine) Certified Nursing Assistant (CNA) CPR/First Aid (BLS) (CNA, Clinical Rotations) Phlebotomy Technician (PCT) Certified Patient Care Technician (CPhT) (PCT) EKG Technician (PCT) Emergency Medical Technician (EMT) Certified Pharmacy Technician (CPhT) (Pharmacy) Sterile Products Aseptic Technique Certified (Pharmacy) OSHA HealthCare Certified (Pharmacy) HealthCare Provider CPR (Pharmacy) AHA Basic Life Support Certification (Sports Medicine)
Career and Technical Student Organization (CTSO)
HOSA—Health Occupation Students of America

Additional Course Information
<p>Credits: Anatomy & Physiology, Medical Microbiology, Pathophysiology can be used as a science credit.</p> <p>Fees: Career and Technical Student Organizations are co-curricular to the curriculum. Although membership is not required, it is highly encouraged for students to join their local CTSO chapter. Fees may apply.</p> <p>Location: Courses shaded in gray will be held at the Keller Center for Advanced Learning.</p>

Medical Terminology

TEDS: 13020300

KISD: 81801

Credit: 1

Grade: 9-12

Recommended prerequisite: None

This course is designed to introduce students to the structure of medical terms, including prefixes, suffixes, word roots, combining forms, and singular and plural forms, plus medical abbreviations and acronyms. The course allows students to achieve comprehension of medical vocabulary appropriate to medical procedures, human anatomy and physiology, and pathophysiology.

Health Science Theory

TEDS: 13020400

KISD: 81803

Credit: 1

Grade: 10-12

Recommended prerequisite: Principles of Health Science**, Medical Terminology, and Biology

The Health Science Theory course is designed to provide for the development of advanced knowledge and skills related to a wide variety of health careers. Students will have hands on experiences for continued knowledge and skills development. The course may be taught by different methodologies such as clinical rotation and career preparation learning.

Anatomy and Physiology

TEDS: 13020600



KISD: 81820

Credit: 1

Grade: 10-12

Recommended prerequisite: Biology and a second science credit

This course offers a comprehensive study of the structures and functions of the human body. It will include dissections and the study of the organization of organs and organ systems. Students will utilize critical thinking skills and scientific problem solving as they conduct lab investigations. To receive credit in science, students must meet the 40% laboratory and fieldwork requirement identified in §74.3(b)(2)(C) of this title (relating to Description of a Required Secondary Curriculum). This course counts as a science credit. It is taught at the all main campuses and at the Keller Center for Advanced Learning.



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Medical Microbiology

TEDS: 13020700



KISD: 81821

Credit: 1

Grade: 11-12

Recommended prerequisite: Health Science Theory, Biology, and Chemistry

This science elective course is designed to explore medical based microbiology. The student will discover relationships between microbes and health maintenance as well as the role of microbes in infectious diseases. To receive credit in science, students must meet the 40% laboratory and fieldwork requirement identified in §74.3(b)(2)(C) of this title (relating to Description of a Required Secondary Curriculum). This course counts as a science credit. Class is taught at the Keller Center for Advanced Learning.

Pathophysiology

TEDS: 13020800



KISD: 81822

Credit: 1

Grade: 11-12

Recommended prerequisite: Health Science Theory, Biology, and Chemistry

In this course students conduct laboratory investigations and fieldwork, use scientific methods during investigations, and make informed decisions using critical thinking and problem solving. Students study disease processes and how humans are affected. Emphasis is placed on prevention and treatment of diseases. Students will differentiate between normal and abnormal physiology. To receive credit in science, students must meet the 40% laboratory and fieldwork requirement identified in §74.3(b)(2)(C) of this title (relating to Description of a Required Secondary Curriculum). This course counts as a science credit. Class is taught at the Keller Center for Advanced Learning.

World Health Research

TEDS: 13020900

KISD: 81823

Credit: 1

Grade: 12

Recommended prerequisite: Medical Terminology

This course examines major world health problems and emerging technologies as solutions to these medical concerns. The course is designed to improve students' understanding of the cultural, infrastructural, political, educational, and technological constraints and inspire ideas for appropriate technological solutions to global medical care issues. Class is taught at the Keller Center for Advanced Learning.

Practicum in Health Science:

Clinical Rotations (CR)

TEDS: 13020500

I

KISD: 81812

TEDS: 13020510

II

KISD: 81842

Credit: 2

Grade: 11-12

Recommended prerequisite: Health Science Theory and Biology

The Practicum in Health Science is designed to give students practical applications of previously studied knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience. Keller ISD offers 6 practicum opportunities throughout the district. An online district application will be emailed after registration is complete. Students will be asked to rate the Practicum class in order of preference. Due to class size limitations, it is possible a student will not get their first choice. The clinical rotations class will occur in various settings including hospital, clinical, and classroom. Students will be required to comply with HIPAA requirements. Class is taught at the Keller Center for Advanced Learning.

Practicum in Health Science:

Certified Nursing Assistant (CNA)

TEDS: 13020500

I

KISD: 81816

TEDS: 13020510

II

KISD: 81846

Credit: 2

Grade: 11-12

Recommended prerequisite: Health Science Theory and Biology

The Practicum in Health Science is designed to give students practical applications of previously studied knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience. Keller ISD offers 6 practicum opportunities throughout the district. An online district application will be emailed after registration is complete. Students will be asked to rate the Practicum class in order of preference. Due to class size limitations, it is possible a student will not get their first choice. The Certified Nursing Assistant (CNA) practicum is designed to provide an opportunity to gain a nationally recognized certification after passing the CNA certification examination. To qualify for the examination, one must be able to pass a criminal background/drug screening and have successfully passed the classroom portion of the class. Students will be required to comply with HIPAA requirements. Class is taught at the Keller Center for Advanced Learning.

**Practicum in Health Science:
Patient Care Technician (PCT)****TEDS:** 13020510**KISD:** 81849**Credit:** 2**Grade:** 11-12**Recommended prerequisite:** Practicum in Health Science I CNA or Clinical Rotations

The Practicum in Health Science is designed to give students practical applications of previously studied knowledge and skills in CNA or Clinical Rotations. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience. Keller ISD offers 6 practicum opportunities throughout the district. An online district application will be emailed after registration is complete. The Patient Care Technician (PCT) practicum is designed to provide an opportunity to gain a nationally recognized certification after passing the PCT, Phlebotomy Technician, and Electro-cardiogram (EKG) Technician national certification examination. To qualify for the examination, one must be able to pass a criminal background/drug screening and have successfully passed the classroom and technical portions of the class. The technical portion will include reading EKG's correctly, performing phlebotomy skills on both artificial and live patients, and performing basic nursing skills. Students will be required to comply with HIPAA requirements. Class is taught at the Keller Center for Advanced Learning.

**Practicum in Health Science:
Emergency Medical Technician (EMT)****TEDS:** 13020500**KISD:** 81815**Credit:** 2**Grade:** 11-12**Recommended prerequisite:** Health Science Theory and Biology

The Practicum in Health Science is designed to give students practical applications of previously studied knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience. Keller ISD offers 6 practicum opportunities throughout the district. An online district application will be emailed after registration is complete. Students will be asked to rate the Practicum class in order of preference. Due to class size limitations, it is possible a student will not get their first choice. In the E.M.T. program, students will be provided opportunities to work in hospital settings, ambulance services, and may be assigned to firehouses in order to experience first-hand the challenges of Emergency Medical Technicians. Students enrolled in this course will be provided the knowledge and skills training to prepare and successfully complete the exam required for E.M.T. Upon completion of the course and successfully passing the national exam, students will be eligible to continue to the next level of training at Tarrant County College. Students will be required to comply with HIPAA requirements. Class is taught at the Keller Center for Advanced Learning.

Pharmacology**TEDS:** 13020950**KISD:** 81813**Credit:** 1**Grade:** 11-12**Recommended prerequisite:** Health Science Theory, Biology, and Chemistry

The Health Science Career Cluster focuses on planning, managing, and providing therapeutic services, diagnostic services, health informatics, support services, and biotechnology research and development. The Pharmacology course is designed to study how natural and synthetic chemical agents such as drugs affect biological systems. Knowledge of the properties of therapeutic agents is vital in providing quality health care. It is an ever-changing, growing body of information that continually demands greater amounts of time and education from health care workers. Class is taught at the Keller Center for Advanced Learning.

Practicum in Health Science:

Pharmacy

TEDS: 13020500 **I** **KISD:** 81818

TEDS: 13020510 **II** **KISD:** 81848

Credit: 2

Grade: 11-12

Recommended prerequisite: Health Science Theory and Biology

The Practicum in Health Science is designed to give students practical applications of previously studied knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience. Keller ISD offers 6 practicum opportunities throughout the district. An online district application will be emailed after registration is complete. Students will be asked to rate the Practicum class in order of preference. Due to class size limitations, it is possible a student will not get their first choice. The Pharmacy Technician practicum is designed to provide an opportunity to gain a nationally recognized certification after passing the Pharmacy Technician Certification Board examination. To qualify for the examination, students must be able to pass a criminal background screening and have graduated from high school. Students will be required to comply with HIPAA requirements. Class is taught at the Keller Center for Advanced Learning.

Sports Medicine I

TEDS: N1150040 **KISD:** 81831

Credit: 1

Grade: 9-12

Prerequisite: Medical Terminology and Biology

Sports Medicine I provides an opportunity for the study and application of the components of sports medicine. This class will not count towards a CTE credit but it enhances the pathway experience. It does count toward a sports medicine endorsement.

Sports Medicine II

TEDS: N1150041 **KISD:** 81832

Credit: 1

Grade: 10-12

Prerequisite: Sports Medicine I

Sports Medicine II involves outside-of-class time homework and time required working with athletes and athletic teams. This class will not count towards a CTE credit but it enhances the pathway experience. It does count toward a sports medicine endorsement.

Practicum in Health Science:

Sports Medicine

TEDS: 13020500 **KISD:** 81817

Credit: 2

Grade: 12

Prerequisite: Sports Medicine II and Anatomy & Physiology

The Practicum in Health Science is designed to give students practical applications of previously studied knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience. Keller ISD offers 6 practicum opportunities throughout the district. An online district application will be emailed after registration is complete. Students will be asked to rate the Practicum class in order of preference. Due to class size limitations, it is possible a student will not get their first choice. The Sports Medicine Practicum course will provide an opportunity for the study and application of the components of sports medicine, including but not limited to sports medicine-related careers; organizational and administrative considerations; prevention of athletic injuries; recognition, evaluation, and immediate care of athletic injuries; rehabilitation and management skills; taping and wrapping techniques; first aid/CPR/AED; emergency procedures; nutrition; sports psychology; human anatomy and physiology; therapeutic modalities; and therapeutic exercise.





Human
Services

Program of Study Course Sequence	9th Grade	10th Grade	11th Grade	12th Grade
Cosmetology	Optional Elective: Principles of Human Services (1 credit)	Professional Communications (.5 credit) AND Touch System Data Entry (1 credit)	Cosmetology I/ Cosmetology I Lab (3 credits)	Cosmetology II (2 credits) AND Nail Care, Enhancements, and Spa Services (2 credits) <i>Prerequisite: Cosmetology I/ Cosmetology I Lab</i>

Classes that are shaded gray will be taught at the Keller Center for Advanced Learning

Cosmetology- 4 Year Plan								
Freshman	English I	Algebra I	Biology	World Geography	Language Level 1	Fine Art	Elective (or Principles of Human Services)	Elective
Sophomore	English II	Geometry	IPC, Physics, Chemistry	World History	Language Level 2	PE	Professional Communications/ Touch Systems	Elective
Junior	English III	Algebra II or MMA	Advanced 3rd Science	U.S. History	Elective	Cosmetology I	Cosmetology I	Cosmetology I
Senior	Advanced English Course	Algebra II or Advanced 4th Math	Advanced 4th Science	Government / Economics	Cosmetology II	Cosmetology II	Nail Care	Nail Care
In order to be eligible for the Cosmetology program of study, it is suggested that you have an intentional four-year plan. Above you will find the recommended sequence for high school graduation and completion of the cosmetology program.								

Certifications / Certificate Opportunities Based on Program of Study
TDLR—Texas Department of License and Regulation Cosmetology License
Career and Technical Student Organization (CTSO)
SkillsUSA

Additional Course Information
<p>Fees: Career and Technical Student Organizations are co-curricular to the curriculum. Although membership is not required, it is highly encouraged for students to join their local CTSO chapter. Fees may apply.</p> <p>Location: Courses shaded in gray will be held at the Keller Center for Advanced Learning</p>

Principles of Human Services

TEDS: 13024200

KISD: 82100

Credit: 1

Grade: 9-11

Recommended prerequisite: None

This laboratory course will enable students to investigate careers in the human services career cluster, including counseling and mental health, early childhood development, family and community, education and training, hospitality, fashion and interior design, and personal care services. Each student is expected to complete the knowledge and skills essential for success in high-skill, high-wage, or high-demand human services careers. Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extracurricular organizations.



Professional Communications

TEDS: 13009900

KISD: 1465

Credit: .5

Grade: 9-12

Recommended prerequisite: None

Professional Communications blends written, oral, and graphic communication in a career-based environment. Careers in the global economy require individuals to be creative and have a strong background in computer and technology applications, a strong and solid academic foundation, and a proficiency in professional oral and written communication. Within this text, students will be expected to develop and expand the ability to write, read, edit, speak, listen, apply software applications, manipulate computer graphics, and conduct Internet research. **This course is also available online through the Keller ISD Virtual Learning Program.**



Touch System Data Entry

TEDS: 13011300

KISD: 81403

Credit: .5

Grade: 9-12

Recommended prerequisite: None

Students apply technical skills to address business applications of emerging technologies. Students enhance reading, writing, computing, communication, and reasoning skills and apply them to the business environment. Students will need to apply touch system data entry for production of business documents. **This course is also available online through the Keller ISD Virtual Learning Program.**

Cosmetology I/Cosmetology I Lab

TEDS: 13025210

KISD: 83201

Credit: 3

Grade: 11-12

Recommended prerequisite: None

Students coordinate integration of academic, career, and technical knowledge and skills in this laboratory instructional sequence course designed to provide job-specific training for employment in cosmetology careers. Instruction includes sterilization and sanitation procedures, hair care, nail care, and skin care and meets the Texas Department of Licensing and Regulation requirements for licensure upon passing the state examination. Analysis of career opportunities, requirements, expectations, and development of workplace skills are included. Class is taught at the Keller Center for Advanced Learning.

Cosmetology II

TEDS: 13025300

KISD: 82202

Credit: 2

Grade: 11-12

Recommended prerequisite: Cosmetology I/Cosmetology I Lab

Students review academic knowledge and skills related to cosmetology. This course is designed to provide advanced training for employment in cosmetology careers. Instruction includes training in sterilization and sanitation processes, hair care, nail care and skin care and meets the Texas Department of Licensing and Regulation requirements for licensure upon passing the state examination. Students apply, combine, and justify knowledge skills to a variety of settings and problems. Class is taught at the Keller Center for Advanced Learning concurrently with Nail Care, Enhancements, and Spa Services.

Nail Care, Enhancements, and Spa Services

TEDS: N1302531

KISD: 82204

Credit: 2

Grade: 11-12

Recommended prerequisite: Cosmetology I/Cosmetology I Lab

This course provides students additional lab time to develop proficient and mastery level cosmetology skills and techniques as required by Texas Department of Licensing and Regulation licensing standards. Students are expected to develop proficient and mastery level work samples and to expand their work experiences. Class is taught at the Keller Center for Advanced Learning concurrently with Cosmetology II.

Reserve Officer Training Corp (ROTC)*				
Program of Study Course Sequence	9th Grade	10th Grade	11th Grade	12th Grade
Military Science	ROTC I (1 credit)	ROTC II (1 credit) <i>Prerequisite:</i> <i>ROTC I</i>	ROTC III (1 credit) <i>Prerequisite:</i> <i>ROTC II</i>	ROTC IV (1 credit) <i>Prerequisite:</i> <i>ROTC III</i>

*Denotes non-CTE pathway

Certifications / Certificate Opportunities Based on Program of Study	Additional Course Information
Leadership and College Scholarship Opportunities	<p>All ROTC Courses Include:</p> <p>Wellness and Physical Training (PT): provides a standardized, facility variations minded curriculum offering substantial individual health improvements. The objective is to motivate cadets to lead healthy, active lifestyles. PT/Wellness provides leadership opportunities, builds esprit de corps, and increases cadet confidence.</p>
Career and Technical Student Organization (CTSO)	
Air Force ROTC	

ROTC I

Leadership Education I (LE-1)

Aerospace Science I (AS-1)

TEDS: 03160100

KISD: 50403

Credit: 1

Grade: 9-12

Recommended prerequisite: None

The first half of the sixty-hour course is dedicated to leadership studies relating directly to citizenship, individual self-control, time management, stress management, study skills, and wellness and fitness. Wearing of the uniform, customs and courtesies and basic drill skills are introduced. The aerospace science half of the course is designed to acquaint the student with the historical development of flight and the role of the military in history. Over half of the course describes the makeup of the aerospace community and the United States Air Force.

ROTC II

Leadership Education II (LE-2)

Aerospace Science II (AS-2)

TEDS: 03160200

KISD: 5153

Credit: 1

Grade: 10-12

Recommended prerequisite: ROTC I

This science course is designed to acquaint the student with navigation and human limitations of flight. The course begins with a discussion of the atmosphere and weather. The study is expanded to include the planets and space beyond our solar system. After developing an understanding of the environment, how that environment affects flight is introduced. Discussions include the forces of lift, drag, thrust, and weight. Students also learn basic navigation including map reading, course plotting, and the effects of wind. The portion of the Human Requirements of flight is a survey course on human physiology. Discussed here is the human circulatory system, the effects of acceleration and deceleration, protective equipment and space environment. Leadership hours' stress communications and skills cadet corps activities. Written reports and speeches complement academic materials. Cadet corps activities include holding positions of greater responsibility in the planning and executing of corps projects.

ROTC III

Leadership Education III (LE-3)

Aerospace Science III (AS-3)

TEDS: 03160300

KISD: 5163

Credit: 1

Grade: 10-12

Recommended prerequisite: ROTC II

The third year is a science course, which discusses principles of propulsion system, fundamentals of rocketry and its application to spacecraft, principles of underlying space travel, and various aspects of space exploration. This year's materials are perhaps the most technical. Turbojet, turbofan, rocket, reciprocating engines, and a detailed examination of propulsion systems are explained. Rocketry and spacecraft portions cover rocket propulsion, guidance, and control and orbits. The space travel section further discusses the development, use and future of artificial earth satellites, and interplanetary probes. Leadership hours continue emphasis on written and oral communication skills. Additionally, basic management skills such as planning, directing, and controlling are introduced. Third year cadets put these skills into practice by holding key leadership positions in the cadet corps.

ROTC IV

Leadership Education IV (LE-4)

Aerospace Science IV (AS-4)

TEDS: 03160400

KISD: 5173

Credit: 1

Grade: 10-12

Recommended prerequisite: ROTC III

This fourth year is a civics course. Subjects covered include civil aviation's primary features and impact on our society, careers available in the civil and military aerospace community and descriptions and uses of modern aerospace vehicles. The civil aviation portion of the course adds to the basic knowledge of the aerospace industry given in AS-1. This information sets the stage for the discussion on careers in aerospace. The careers section not only describes career options and educational possibilities; it also provides practical advice for the new job hunter. The academic section fine-tunes developing communication skills and top-level cadet corps jobs provide a laboratory to experiment with newly learned leadership and management skills.





Program of Study Course Sequence	9th Grade	10 th Grade	11th Grade	12 th Grade
Legal Studies (2020-2021 freshmen and sophomores)	Principles of Law, Public Safety, Corrections, and Security (1 credit)	Court Systems and Practices (1 credit) <i>Prerequisite:</i> <i>Principles of Law & Public Safety</i>	Legal Research and Writing (1 credit) <i>Prerequisite:</i> <i>Court Systems and Practices</i>	Practicum in Law, Public Safety, Corrections, and Security (2 credits) <i>Prerequisite:</i> <i>3 credits in the Law Program</i>
Legal Studies (2020-2021 juniors and seniors)	Principles of Law, Public Safety, Corrections, and Security (1 credit)	Law Enforcement I (1 credit) <i>Prerequisite:</i> <i>Principles of Law & Public Safety</i>	Court Systems and Practices (1 credit) AND Legal Research and Writing (1 Credit) <i>Prerequisite:</i> <i>Law Enforcement I</i>	Practicum in Law, Public Safety, Corrections, and Security (2 credits) <i>Prerequisite:</i> <i>3 credits in the Law Program</i>
Law Enforcement: Police	Principles of Law, Public Safety, Corrections, and Security (1 credit)	Law Enforcement I (1 credit) <i>Prerequisite:</i> <i>Principles of Law & Public Safety</i>	Forensic Science (1 credit) AND Forensic Psychology (1 credit) <i>Prerequisite:</i> <i>Law Enforcement I, Biology, and Chemistry</i>	Law Enforcement II (1 credit) AND Criminal Investigation (1 credit) <i>Prerequisite:</i> <i>3 credits in the Law Program</i>

Classes that are shaded gray will be taught at the Keller Center for Advanced Learning

Certifications / Certificate Opportunities Based on Program of Study
CPR/First Aid (Court Law, Law Enforcement-Police)
OSHA (Court Law)
National Incident Management System (NIMS) (Law Enforcement-Police)
Career and Technical Student Organization (CTSO)
SkillsUSA

Additional Course Information
Credits: Forensic Science can be used as a science credit.
Fees: Career and Technical Student Organizations are co-curricular to the curriculum. Although membership is not required, it is highly encouraged for students to join their local CTSO chapter. Fees may apply.
Location: Courses shaded in gray will be held at the Keller Center for Advanced Learning.

Principles of Law, Public Safety, Corrections, and Security

TEDS: 13029200

KISD: 82400

Credit: 1

Grade: 9-11

Recommended prerequisite: None

Principles of Law, Public Safety, Corrections, and Security introduce students to professions in law enforcement, security, corrections, and fire and emergency management services. Students will examine the roles and responsibilities of police, courts, corrections, private security, and protective agencies of fire and emergency services. The course provides students with an overview of the skills necessary for careers in law enforcement, fire service, security, and corrections.

Law Enforcement I

TEDS: 13029300

KISD: 82411

Credit: 1

Grade: 10-12

Recommended prerequisite: Principles of Law, Public Safety, Corrections, and Security

Law Enforcement I is an overview of the history, organization, and functions of local, state, and federal law enforcement. This course includes the role of constitutional law, the United States legal system, criminal law, law enforcement terminology, and the classification and elements of crime.



Court Systems and Practices

TEDS: 13029600

KISD: 82422

Credit: 1

Dual Credit: 82433

Grade: 10-12

Recommended prerequisite: Principles of Law, Public Safety, Corrections, and Security

Court Systems and Practices is an overview of the federal and state court systems. The course identifies the roles of judicial officers and the trial processes from pretrial to sentencing and examines the types and rules of evidence. Emphasis is placed on constitutional laws for criminal procedures such as search and seizure, stop and frisk, and interrogation. This course is also offered as a dual credit course through Tarrant County College: LGLA 1307 Introduction to the Law and the Legal Professions and CRIJ 1306 Court Systems and Practices. If enrolled in dual credit, students will receive both high school and college credit upon successful completion of the classes. These are college level classes, which are designed for highly motivated students who are prepared to take a college course in high school. Students must register and pay for the course through Tarrant County College. Class is taught at the Keller Center for Advanced Learning.

Legal Research and Writing

TEDS: N1303014

KISD: 82435

Credit: 1

Dual Credit: 82434

Grade: 11-12

Recommended prerequisite: 2 credits in the law program

Legal Research and Writing provides an introduction into the study and practice of legal writing and research. This course is designed to introduce students to the methods and tools used to conduct legal research, develop and frame legal arguments, produce legal writings such as briefs, memorandums, and other legal documents, study U.S. Constitutional law, and prepare for appellate argument(s). This course is also offered as a dual credit course through Tarrant County College: LGLA 1303 Legal Research and LGLA 1305 Legal Writing. If enrolled in dual credit, students will receive both high school and college credit upon successful completion of the classes. These are college level classes, which are designed for highly motivated students who are prepared to take a college course in high school. Students must register and pay for the course through Tarrant County College. Class is taught at the Keller Center for Advanced Learning.

Practicum in Law, Public Safety, Corrections and Security

TEDS: 13030100

KISD: 82461

Credit: 2

Grade: 12

Recommended prerequisite: 3 credits in the law program

The Practicum is designed to give students supervised practical application of previously studied knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience. Class is taught at the Keller Center for Advanced Learning.

Forensic Science

TEDS: 13029500



KISD: 88370

Credit: 1

Grade: 10-12

Recommended prerequisite: Biology and Chemistry

Forensic Science is a course that uses a structured and scientific approach to the investigation of crimes of assault, abuse and neglect, domestic violence, accidental death, homicide, and the psychology of criminal behavior. Students will learn terminology and investigative procedures related to crime scene, questioning, interviewing, criminal behavior characteristics, truth detection, and scientific procedures used to solve crimes. Using scientific methods, students will collect and analyze evidence through case studies and simulated crime scenes such as fingerprint analysis, ballistics, and blood spatter analysis. Students will learn the history, legal aspects, and career options for forensic science. This course counts as a science credit and will be taught at the Keller Center for Advanced Learning for students in the law pathway.

Forensic Psychology

TEDS: N1303012

KISD: 82424

Credit: 1

Grade: 10-12

Recommended prerequisite: Law Enforcement I

Forensic Psychology utilizes and applies basic skills developed in psychology to criminal behavior and criminal scenarios resulting in a structured and scientific approach to investigative analysis, which enables police or law enforcement officials to predict criminal activity based upon mathematical/scientific data versus abstract intuition.

Law Enforcement II

TEDS: 13029400

KISD: 82412

Credit: 1

Grade: 10-12

Recommended prerequisite: 3 credits in the law program

Law Enforcement II provides the knowledge and skills necessary to prepare for a career in law enforcement. This course includes the ethical and legal responsibilities, operation of police and emergency telecommunication equipment, courtroom testimony. Law Enforcement II is taken concurrently with Criminal Investigation. Class is taught at the Keller Center for Advanced Learning.

Criminal Investigation

TEDS: 13029550

KISD: 82421

Credit: 1

Grade: 10-12

Recommended prerequisite: 3 credits in the law program

In this course, students will be introduced to the profession of criminal investigations. Students will understand basic functions of criminal investigations and procedures and will learn how to investigate or follow up during investigations. Students will learn terminology and investigative procedures related to criminal investigation, crime scene processing, evidence collection, fingerprinting, and courtroom presentation. Through case studies and simulated crime scenes, students will collect and analyze evidence such as fingerprint analysis, bodily fluids, hairs, fibers, shoe and tire impressions, bite marks, drugs, tool marks, firearms and ammunition, blood spatter, digital evidence, and other types of evidence. Criminal Investigation is taken concurrently with Law Enforcement II. Class is taught at the Keller Center for Advanced Learning.



STEM



Science,
Technology,
Engineering &
Mathematics

Program of Study Course Sequence	9th Grade	10th Grade	11th Grade	12th Grade
Biology*	Biology (1 credit)	Chemistry (1 credit) <i>Required Prerequisite:</i> <i>1 Science and Algebra 1</i>	Physics (1 credit) AND Anatomy and Physiology (1 credit) <i>Prerequisite:</i> <i>2 credits in Science</i>	AP Biology (1 credit) <i>Prerequisite:</i> <i>3 credits in Science</i>
Chemistry*	Biology (1 credit)	Chemistry (1 credit) <i>Required Prerequisite:</i> <i>1 Science and Algebra 1</i>	Physics (1 credit) AND AP Biology (1 credit) <i>Prerequisite:</i> <i>2 credits in Science</i>	AP Chemistry (1 credit) <i>Prerequisite:</i> <i>3 credits in Science</i>
Environmental Science*	Biology (1 credit)	Chemistry (1 credit) <i>Required Prerequisite:</i> <i>1 Science and Algebra 1</i>	Physics (1 credit) AND Aquatic Science (1 credit) <i>Prerequisite:</i> <i>2 credits in Science</i>	Environmental Systems OR AP Environmental Science (1 credit) <i>Prerequisite:</i> <i>3 credits in Science</i>
Physics*	Biology (1 credit)	Chemistry (1 credit) and AP Physics I (1 credit) <i>Required Prerequisite:</i> <i>1 Science and Algebra 1</i>	AP Physics II (1 credit) <i>Prerequisite:</i> <i>Physics I and Pre-Cal</i>	AP Physics C: Electricity and Magnetism (1 credit) OR AP Physics C: Mechanics (1 credit) <i>Prerequisite:</i> <i>Physics I and Pre-Cal</i>
Space Science*	Biology (1 credit)	Chemistry (1 credit) <i>Required Prerequisite:</i> <i>1 Science and Algebra 1</i>	Physics (1 credit) AND Earth and Space Science (1 credit) <i>Prerequisite:</i> <i>2 credits in Science</i>	Astronomy (1 credit) <i>Prerequisite:</i> <i>3 credits in Science</i>

Classes that are shaded gray will be taught at the Keller Center for Advanced Learning

*Denotes non-CTE pathway

Biology

TEDS: 03010200



KISD: 3103

Credit: 1

Grade: 9-10

Recommended prerequisite: None

In Biology, students conduct field and laboratory investigations, use specific methods during investigations and make informed decisions using critical thinking and scientific problem solving. Students in Biology study a variety of topics that include: structures and functions of cells and viruses, growth and development of organisms, cells, tissues and organs, nucleic acids and genetics, biological evolution, taxonomy, metabolism and energy transfers in living organisms, living systems, homeostasis, ecosystems and the environment.

Biology Pre-AP

TEDS: 03010200



KISD: 3113

Credit: 1

Grade: 9-10

Recommended prerequisite: None

Pre-AP Biology is a comprehensive study of biology, ecology, evolution, biochemical pathways, organic and biochemistry, cell biology, genetics, molecular biology, microbiology (which includes invertebrates), taxonomy, embryogenesis, homeostasis and human body systems (immune, lymphatic, digestive, and circulatory system). Students will be expected to show commitment to Pre-AP curriculum and be motivated to utilize higher level thinking skills. The course will also include special projects and a more in-depth study of biological concepts. Pre-AP students should expect to continue in the AP program with a goal of taking the AP test.



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AP Biology

AP

TEDS: A3010200



KISD: 3123

Credit: 1

Grade: 10-12

Recommended prerequisite: Biology and Chemistry

This course is a comprehensive study of advanced biology designed to prepare students to take the AP Biology Exam. The class covers material a student would encounter in a freshman level college biology class. Special emphasis will be placed on the principles and processes of biology along with understanding the means by which biological information is collected and interpreted. The content of the course will meet College Board standards. Students planning to take the Biology AP Exam would benefit by enrolling in Anatomy and Physiology also. **AP students prepare to take the Advanced Placement Exam in May for possible college credit.**

Chemistry

TEDS: 03040000



KISD: 3303

Credit: 1

Grade: 10-12

Recommended prerequisite: One science and Algebra I

In Chemistry, students conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students study a variety of topics that included characteristics of matter, use of the Periodic Table, development of atomic theory and chemical bonding, chemical stoichiometry, gas laws, solution chemistry, thermochemistry, and nuclear chemistry. Students will investigate how chemistry is an integral part of our daily lives.

Chemistry Pre-AP

PreAP

TEDS: 03040000



KISD: 3313

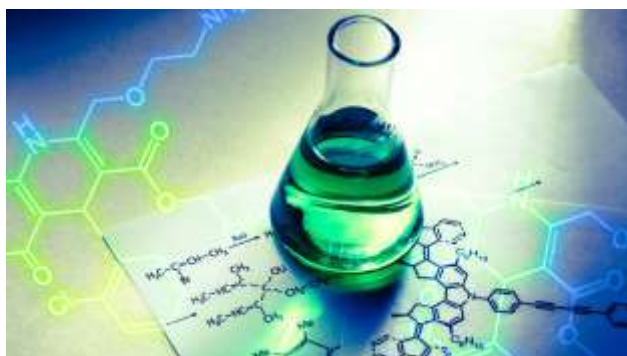
Credit: 1

Grade: 10-12

Recommended prerequisite: One science and Algebra I

Chemistry Pre-AP is a comprehensive study of chemistry, scientific method, lab safety, scientific measurements, properties of matter, atomic structure and its history, quantum numbers, periodic table characteristics and trends, chemical bonding, gas laws, nomenclature of compounds, moles, chemical reactions, stoichiometry, aqueous mixtures, acid/bases and neutralization reactions. The course will be lab based and students will be asked to analyze and evaluate data from lab investigation.

Chemistry Pre-AP covers additional rigorous College Board topics that require critical thinking and a higher level of math skills, such as solving equations for variables, exponential and mathematical abstraction. Students should expect a challenging Pre-AP curriculum with the expectation of moving on to AP Chemistry and taking the AP test.



AP Chemistry

AP

TEDS: A3040000



KISD: 3333

Credit: 1

Grade: 11-12

Recommended prerequisite: Chemistry and Algebra II

This course is a comprehensive study of advanced chemistry designed to prepare students to take the Chemistry AP Exam. The class covers most of the material a student would encounter in a freshman level college chemistry course. Special emphasis is placed on atomic structure and bonding, thermochemistry, kinetics, equilibrium and electrochemistry. The content of the course will meet College Board standards. **AP students prepare to take the Advanced Placement Exam in May for possible college credit.**

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Physics

TEDS: 03050000



KISD: 3403

Credit: 1

Grade: 9-12

Recommended prerequisite: Algebra I

In Physics, students conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students study a variety of topics that include: laws of motion, changes within physical systems and conservation of energy and momentum; forces; thermodynamics; characteristics and behavior of waves; and atomic, nuclear, and quantum physics. Students who successfully complete Physics will acquire factual knowledge within a conceptual framework, practice experimental design and interpretation, work collaboratively with colleagues, and develop critical thinking skills.

Physics Pre-AP

PreAP

TEDS: 03050000



KISD: 3413

Credit: 1

Grade: 9-12

Recommended prerequisite: Algebra I

Physics Pre-AP is a comprehensive study of physics that studies laws of motion, changes within physical systems, and conservation of energy and momentum; forces; thermodynamics; waves; and atomic, nuclear, and quantum physics. Physics Pre-AP covers additional rigorous College Board topics that require critical thinking and a higher level of math skills. Students will acquire factual knowledge within a conceptual framework, practice experimental design and interpretation, and develop critical thinking skills. Students should expect a challenging Pre-AP curriculum with the expectation of moving on to AP Physics and taking the AP test.

AP Physics I

TEDS: A3050003



KISD: 3443

AP

Credit: 1

Grade: 10-12

Recommended prerequisite: Geometry

Algebra-Based is the equivalent to a first-semester college course in algebra-based physics. The course covers Newtonian mechanics (including rotational dynamics and angular momentum); work, energy, and power; and mechanical waves and sound. It will also introduce electric circuits. **AP students prepare to take the Advanced Placement Exam in May for possible college credit.**

Dual Physics:

UT OnRamps

TEDS: 03050000



KISD: 3424



Credit: 1

Grade: 10-12

Recommended prerequisite: Algebra and Geometry

Mechanics, Heat, and Sound introduces big ideas in physics, such as Newtonian mechanics, which describes objects changing their state of motion because of forces causing them to accelerate. Taken together, the topics reinforce the general idea that the behavior of many objects in the world can be described precisely with simple mathematics. This is an algebra-based (non-calculus) course in mechanics that fulfills a general physics requirement. Proficiency in algebra and geometry is assumed. Students will practice problem-solving and analyzing physical situations involving motion, force, energy, rotations, heat, oscillations, waves, and sound. Students will explore concepts in small groups, develop ideas, and explain them. This course lays the groundwork for college majors including engineering, physics, chemistry, or math. This course may be used to fulfill the science component of the university core curriculum.

AP Physics II

TEDS: A3050004



KISD: 3453

AP

Credit: 1

Grade: 11-12

Recommended prerequisite: Physics, Algebra I, Geometry, Algebra II, concurrent Pre-Calculus

Algebra-Based is the equivalent to a second-semester college course in algebra-based physics. The course covers fluid mechanics; thermodynamics; electricity and magnetism; optics; and atomic and nuclear physics. **AP students prepare to take the Advanced Placement Exam in May for possible college credit.**

AP Physics C: Electricity and Magnetism

TEDS: A3050005



KISD: 3435

AP

Credit: 1

Grade: 11-12

Recommended prerequisite: Physics, Algebra I, Geometry, Algebra II, concurrent Calculus

AP Physics C: Electricity and Magnetism is calculus-based, appropriate for students planning to specialize or major in physical science or engineering. The course explores topics such as electrostatics; conductors, capacitors, and dielectrics; electric circuits; magnetic fields; and electromagnetism. Introductory differential and integral calculus is used throughout the course. The course should prepare students for successful completion of the AP Physics C Exam. The content of the course will meet College Board standards. **AP students prepare to take the Advanced Placement Exam in May for possible college credit.** Class is taught at the Keller Center for Advanced Learning.



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AP Physics C: Mechanics



TEDS: A3050006 ☒

KISD: 3434

Credit: 1

Grade: 11-12

Recommended prerequisite: Physics, Algebra I, Geometry, Algebra II, concurrent Calculus

AP Physics C: Mechanics is calculus-based, appropriate for students planning to specialize or major in physical science or engineering. The course explores topics such as kinematics; Newton's laws of motion; work, energy and power; systems of particles and linear momentum; circular motion and rotation; and oscillations and gravitation. Introductory differential and integral calculus is used throughout the course. The course should prepare students for successful completion of the AP Physics C Exam. The content of the course will meet College Board standards. **AP students prepare to take the Advanced Placement Exam in May for possible college credit.**

Anatomy and Physiology

TEDS: 13020600 ☒

KISD: 3203

Credit: 1

Grade: 10-12

Recommended prerequisite: Biology and a second science credit

This course offers a comprehensive study of the structures and functions of the human body. It will include dissections and the study of the organization of organs and organ systems. Students will utilize critical thinking skills and scientific problem solving as they conduct lab investigations. To receive credit in science, students must meet the 40% laboratory and fieldwork requirement identified in §74.3(b)(2)(C) of this title (relating to Description of a Required Secondary Curriculum). This course counts as a science credit. It is taught at the all main campuses and at the Keller Center for Advanced Learning.

Aquatic Science

TEDS: 03030000 ☒

KISD: 3513

Credit: 1

Grade: 10-12

Recommended prerequisite: Biology and previous or concurrent Chemistry

In Aquatic Science, students study the interactions of biotic and abiotic components in aquatic environments, including impacts on aquatic systems. Investigations and fieldwork in this course may emphasize fresh water or marine aspects of aquatic science depending primarily upon the natural resources available for study near the school. Students who successfully complete Aquatic Science will acquire knowledge about a variety of aquatic systems, conduct investigations and observations of aquatic environments, work collaboratively with peers, and develop critical thinking and problem-solving skills.

Astronomy

TEDS: 03060100 ☒

KISD: 3503

Credit: 1

Grade: 11-12

Recommended prerequisite: Biology and a second science credit

In Astronomy, students conduct laboratory and field investigations, use scientific methods, and make informed decisions using critical thinking and scientific problem solving. Students study the following topics: astronomy in civilization, patterns and objects in the sky, our place in space, the moon, reason for the seasons, planets, the sun, stars, galaxies, cosmology, and space exploration. Students who successfully complete Astronomy will acquire knowledge within a conceptual framework, conduct observations of the sky, work collaboratively, and develop critical thinking skills.

Earth and Space Science

TEDS: 03060200 ☒

KISD: 3573

Credit: 1

Grade: 11-12

Recommended prerequisite: Three credits of science and math (two of which can be taken concurrently)

Earth and Space Science is a capstone course designed to build on students' prior scientific and academic knowledge and skills to develop understanding of Earth's system in space and time. ESS has three strands used throughout each of the three themes: systems, energy, and relevance.

AP Environmental Science

AP

TEDS: A3020000 ☒

KISD: 3543

Credit: 1

Grade: 11-12

Recommended prerequisite: Biology, physical science, Algebra I

This course is designed to provide students with the scientific principles, concepts, and methodologies required to understand the inter-relationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving and/or preventing the environmental problems. **AP students prepare to take the Advanced Placement Exam in May for possible college credit.**

Environmental Systems

TEDS: 03020000 ☒

KISD: 3533

Credit: 1

Grade: 11-12

Recommended prerequisite: Biology and a physical science

Students will conduct field and laboratory investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students will study a variety of topics that include: biotic and abiotic factors in habitats, ecosystems and biomes, interrelationships among resources and an environmental system, sources and flow of energy through an environmental system, relationship between carrying capacity and changes in populations and ecosystems, and changes in environments.



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Program of Study Course Sequence	9th Grade	10th Grade	11th Grade	12th Grade
Cybersecurity	Computer Science Essentials (1 credit) <i>Prerequisite:</i> <i>Algebra I</i>	Cybersecurity (1 credit) <i>Prerequisite:</i> <i>Computer Science Essentials</i>	Digital Forensics (1 credit) AND Computer Maintenance (1 credit) <i>Prerequisite:</i> <i>Cybersecurity</i>	Cybersecurity Capstone (1 credit) <i>Prerequisite:</i> <i>Digital Forensics and Computer Maintenance</i>
Programming and Software Development	Pre-AP Computer Science I (1 credit) <i>Prerequisite:</i> <i>Algebra I</i>	AP Computer Science (2 credits) <i>Prerequisite:</i> <i>Computer Science I</i>	Computer Programming I (1 credit) AND Computer Programming II (1 credit) <i>Prerequisite:</i> <i>AP Computer Science</i>	Practicum in Information Technology: Programming and Software Development (2 credits) <i>Prerequisite:</i> <i>Computer Programming I and II</i>

Classes that are shaded gray will be taught at the Keller Center for Advanced Learning

Certifications / Certificate Opportunities Based on Program of Study
<p>Microsoft Technology Associate (MTA) Security Fundamentals (Cybersecurity)</p> <p>ISACA CSX Cybersecurity Fundamentals Certificate (Cybersecurity)</p> <p>CompTIA Security+ (Cybersecurity)</p> <p>GIAC Information Security Fundamentals (GISF) (Cybersecurity)</p> <p>(ISC)2 Systems Security Certified Practitioner (SSCP) (Cybersecurity)</p>
Career and Technical Student Organization (CTSO)
SkillsUSA

Additional Course Information
<p>Credits: AP Computer Science can be used for math credit.</p> <p>Fees: Career and Technical Student Organizations are co-curricular to the curriculum. Although membership is not required, it is highly encouraged for students to join their local CTSO chapter. Fees may apply.</p> <p>Location: Courses shaded in gray will be held at the Keller Center for Advanced Learning.</p>



Computer Science Essentials

TEDS: 03580140

KISD: 82334

Credit: 1

Grade: 9-12

Recommended prerequisite: Algebra I

This PLTW course will be the foundation for the cybersecurity pathway. It will empower students to develop computational thinking skills while building confidence that prepares them to advance to subsequent cybersecurity courses. With emphasis on computational thinking and collaboration, this year-long course provides an excellent entry for students to begin or continue the PLTW experience. This course will expose students to a diverse set of computational thinking concepts, fundamentals, and tools, allowing them to gain understanding and build confidence. Students will use visual, block-based programming and seamlessly transition to text-based programming with languages such as Python to create apps and develop websites, and learn how to make computers work together to put their design into practice. They'll apply computational thinking practices, build their vocabulary, and collaborate just as computing professionals do to create products that address topics and problems important to them. Class is taught at the Keller Center for Advanced Learning.

Cybersecurity

TEDS: 03580850

KISD: 82333

Credit: 1

Grade: 10-12

Recommended prerequisite: Computer Science Essentials

In this Project Lead the Way course, students are introduced to the tools and concepts of cybersecurity and encouraged to create solutions that allow people to share computing resources while protecting privacy. Nationally, computational resources are vulnerable and frequently attacked; in Cybersecurity, students solve problems by understanding and closing these vulnerabilities. This course raises students' knowledge of and commitment to ethical computing behavior, where they will develop the knowledge and skills needed to explore advanced concepts related to the ethics, laws, and operations of cybersecurity. It also aims to develop students' skills as consumers, friends, citizens, and employees who can effectively contribute to communities with a dependable cyber-infrastructure that moves and processes information safely. Class is taught at the Keller Center for Advanced Learning.

Digital Forensics

TEDS: 03580360

KISD: 82375

Credit: 1

Grade: 11-12

Recommended prerequisite: Cybersecurity

Digital forensics is an evolving discipline concerned with analyzing anomalous activity on computers, networks, programs, and data. As a discipline, it has grown with the emergence of a globally-connected digital society. As computing has become more sophisticated, so too have the abilities of malicious agents to access systems and private information. By evaluating prior incidents, digital forensics professionals have the ability to investigate and craft appropriate responses to disruptions to corporations, governments, and individuals. Whereas cybersecurity takes a proactive approach to information assurance to minimize harm, digital forensics takes a reactive approach to incident response. The course provides a survey of the field of digital forensics and incident response, including ethics and laws and digital citizenship. Class is taught at the Keller Center for Advanced Learning.

Computer Maintenance

TEDS: 13027300

KISD: 82311

Credit: 1

Grade: 10-12

Recommended prerequisite: None

Students acquire principles of computer maintenance, including electrical and electronic theory, computer hardware principles, and broad level components related to the installation, diagnosis, service, and repair of computer systems. To prepare for success, students must have opportunities to reinforce, apply, and transfer knowledge and skills to a variety of settings and problems. Class is taught at the Keller Center for Advanced Learning.



Cybersecurity Capstone

TEDS: 03580855

KISD: 82336

Credit: 1

Grade: 11-12

Recommended prerequisite: Digital Forensics and Computer Maintenance

Cybersecurity is an evolving discipline concerned with safeguarding computers, networks, programs, and data from unauthorized access. The field has gained prominence with the emergence of a globally-connected society. As computing has become more sophisticated, so too have the abilities of malicious agents looking to penetrate networks and seize private information. By evaluating prior incidents, cybersecurity professionals have the ability to craft appropriate responses to minimize disruptions to corporations, governments, and individuals. In the Cybersecurity Capstone course, students will develop the knowledge and skills needed to explore advanced concepts related to the ethics, laws, and operations of cybersecurity. Students will examine trends and operations of cyberattacks, threats, and vulnerabilities. Students will develop security policies to mitigate risks. The skills obtained in this course prepare students for additional study toward industry certification. Cybersecurity Capstone will serve as a culminating course in this field of study. Class will be taught at the Keller Center for Advanced Learning beginning in 2021-22.

Pre-AP Computer Science I



TEDS: 03580200

KISD: 82301

Credit: 1

Grade: 9-12

Recommended prerequisite: Algebra I

Computer Science I will foster students' creativity and innovation by presenting opportunities to design, implement, and present meaningful programs through a variety of media. Students will collaborate with one another, their instructor, and various electronic communities to solve the problems presented throughout the course. Through data analysis, students will identify task requirements, plan search strategies, and use computer science concepts to access, analyze, and evaluate information needed to solve problems. By using computer science knowledge and skills that support the work of individuals and groups in solving problems, students will select the technology appropriate for the task, synthesize knowledge, create solutions, and evaluate the results. The purpose of this course is to continue on to AP Computer Science and prepare for the AP exam. Class is taught at the Keller Center for Advanced Learning.

AP Computer Science



TEDS: A3580110, A3580120

KISD: 82340

Credit: 2

Grade: 10-12

Recommended prerequisite: Computer Science I

AP Computer Science A is equivalent to a first-semester, college-level course in computer science and is a continuation of Computer Science I. The course introduces students to computer science with fundamental topics that include problem solving, design strategies and methodologies, organization of data (data structures), approaches to processing data (algorithms), analysis of potential solutions, and the ethical and social implications of computing. The course emphasizes both object-oriented and imperative problem solving and design using Java language. These techniques represent proven approaches for developing solutions that can scale up from small, simple problems to large, complex problems. The AP Computer Science A course curriculum is compatible with many CS1 courses in colleges and universities. This course will strengthen the skills developed in Computer Science I. It involves more detailed programming using records, set, stacks, pointers, and recursion. **AP students prepare to take the Advanced Placement Exam in May for possible college credit.** This course counts as a math credit. Class is taught at the Keller Center for Advanced Learning.

Computer Programming I and II

TEDS: 13027600, 13027700

KISD: 82341

Credit: 2

Grade: 11-12

Recommended prerequisite: AP Computer Science

Students acquire knowledge of structured programming techniques and concepts appropriate to developing executable programs and creating appropriate documentation. Students analyze the social responsibility of business and industry regarding the significant issues relating to the environment, ethics, health, safety, and diversity in society and in the workplace as it relates to computer programming. Students apply technical skills to address business applications of emerging technologies. Students will get to choose there are of focus among video game design, mobile application development, and coding. Class is taught at the Keller Center for Advanced Learning.



Program of Study Course Sequence	9th Grade	10th Grade	11th Grade	12th Grade
Engineering	Introduction to Engineering Design (1 credit) <i>Prerequisite: Algebra I</i>	Engineering Science (PLTW: Principles of Engineering) (1 credit) <i>Prerequisite: Introduction to Engineering Design, Algebra I, and Biology</i>	Choose 2 credits from the following 5 courses: Aerospace Engineering (1 credit), Digital Electronics (1 credit), Civil Engineering (1 credit), Robotics I (1 credit), Introduction to Unmanned Aerial Vehicles (1 credit) <i>Prerequisite: Engineering Science, Algebra I, and Geometry</i>	Option 1: Practicum in Science, Technology, Engineering, and Math (2 credits) Option 2: Engineering Design and Development (1 credit) AND 1 credit from the following 3 courses: Robotics II (1 credit), Computer Integrated Manufacturing (1 credit), AP Physics C: Electricity and Magnetism (1 credit) <i>Prerequisite: 3 credits in Engineering Program</i>

Classes that are shaded gray will be taught at the Keller Center for Advanced Learning

Certifications / Certificate Opportunities Based on Program of Study	Additional Course Information
Multiple Internship Opportunities	Credits: Digital Electronics and Robotics II can be used as a math credit. Engineering Science and AP Physics C: E&M can be used as a science credit.
Career and Technical Student Organization (CTSO)	Fees: Career and Technical Student Organizations are co-curricular to the curriculum. Although membership is not required, it is highly encouraged for students to join their local CTSO chapter. Fees may apply.
KCAL Robotics (Local Chapter) VEX, BEST, FIRST Robotics Competitions	Location: Courses shaded in gray will be held at the Keller Center for Advanced Learning.

Introduction to Engineering Design

TEDS: N1303742

KISD: 82641

Credit: 1

Grade: 9-10

Recommended prerequisite: Algebra I

This is the foundation course in a series of Project Lead the Way pre-engineering courses designed to introduce the student to the field of engineering. Students will develop problem-solving skills, with emphasis placed upon the concept of developing 3-D models. The course will emphasize the design development process of a product and a model of the product is produced, analyzed, and evaluated, using a Computer Aided Design Systems. Various design applications will be explored with discussion of possible career opportunities. Students who pass the PLTW college-credit exam, given at the end of the course, can receive college credit at PLTW affiliated universities.

Engineering Science

(PLTW: Principles of Engineering)

TEDS: 13037500

KISD: 82642

Credit: 1

Grade: 10-12

Recommended prerequisite: Introduction to Engineering Design, Algebra I, and Biology

This foundation course is designed to help students understand the field of engineering/engineering technology. Exploring various technology systems and manufacturing process help students learn how engineers and technicians use math, science and technology in an engineering problem solving process to benefit people. The course also includes concerns about social and political consequences of technological change. Students who pass the PLTW college-credit exam, given at the end of the course, can receive college credit at PLTW affiliated universities. This course counts as a science credit.



Aerospace Engineering

TEDS: N1303745

KISD: 82662

Credit: 1

Grade: 11-12

Recommended prerequisite: Engineering Science

This specialization PLTW course applies principles of aeronautics, flight, and engineering. The course will include experiences from diverse fields of aeronautics, aerospace engineering, and related areas of study. It will cover many areas including the following: history of flight; airfoil design, construction, and testing; rocket engine thrust; rocket trajectory; effects of gravity; navigation systems; glider design; intelligent vehicles; and remote sensing. Class is taught at the Keller Center for Advanced Learning.

Digital Electronics

TEDS: 13037600

KISD: 82673

Credit: 1

Grade: 11-12

Recommended prerequisite: Engineering Science, Algebra I, and Geometry

This is a course in applied logic that encompasses the application of electronic circuits and devices. Computer simulation software is used to design and test digital circuitry prior to the actual construction of circuits and devices. This course counts for a math credit. Class is taught at the Keller Center for Advanced Learning.

Civil Engineering and Architecture

TEDS: N1303747

KISD: 82644

Credit: 1

Grade: 11-12

Recommended prerequisite: Engineering Science, Algebra I, and Geometry

In this course, students will learn important aspects of building and site design, and then they apply what they know to design a building. They will use math, science, and standard engineering practices to design both residential and commercial projects and document their work using 3-D architectural design software. Class is taught at the Keller Center for Advanced Learning.

Robotics I

TEDS: 13037000

KISD: 82651

Credit: 1

Grade: 11-12

Recommended prerequisite: Engineering Science

Students enrolled in this course will demonstrate knowledge and skills necessary for the robotic and automation industry. Through implementation of the design process, students will transfer advanced academic skills to component designs in a project-based environment. Students will build prototypes or use simulation software to test their designs. Additionally, students explore career opportunities, employer expectations, and educational needs in the robotic and automation industry. Class is taught at the Keller Center for Advanced Learning.



Introduction to Unmanned Aerial Vehicles

TEDS: N1304670

KISD: 82723

Credit: 1

Grade: 10-12

Recommended prerequisite: Engineering Science

The Introduction to Unmanned Aerial Vehicle course is designed to prepare students for entry-level employment or continuing education in piloting UAV operations. The course is designed to instruct students in UAV flight navigation, industry law and regulations, and safety regulations. Students are also exposed to mission planning procedures, environmental factors, and human factors involved in the UAV industry. Class is taught at the Keller Center for Advanced Learning.

Practicum in Science, Technology, Engineering, and Math

TEDS: 13037400

KISD: 82370

Credit: 2

Grade: 12

Recommended prerequisite: 3 credits in the engineering program

The practicum course is a paid or unpaid capstone experience for students participating in a coherent sequence of career and technical education courses in the Engineering cluster. This course is a unique practicum that provides occupationally specific opportunities for students to participate in a learning experience that combines classroom instruction with actual business and industry career experiences. Practicum in STEM integrates academic and career and technical education; provides more interdisciplinary instruction; and supports strong partnerships among schools, businesses, and community institutions with the goal of preparing students with a variety of skills in a fast-changing workplace. Class is taught at the Keller Center for Advanced Learning.

Engineering Design and Development

TEDS: N1303749

KISD: 82643

Credit: 1

Grade: 12

Recommended prerequisite: 3 credits in the engineering program

This course is the senior capstone course of the Project Lead the Way pre-engineering sequence. Students will work in teams to research, design, and construct a solution to an open-ended engineering problem. Students apply principles developed in the four preceding courses and are guided by an engineering mentor. Students will present progress reports, submit a final written report, and present their solutions to a panel of outside reviewers at the end of the course. Class is taught at the Keller Center for Advanced Learning.



Robotics II

TEDS: 13037050

KISD: 82652

Credit: 1

Grade: 12

Recommended prerequisite: Robotics I

In Robotics II, students will explore artificial intelligence and programming in the robotic and automation industry. Through implementation of the design process, students will transfer academic skills to component designs in a project-based environment. Students will build prototypes and use software to test their designs. This course counts as a math credit. Class is taught at the Keller Center for Advanced Learning.

Computer Integrated Manufacturing

TEDS: N1303748

KISD: 82645

Credit: 1

Grade: 11-12

Recommended prerequisite: Engineering Science

Manufactured items are part of everyday life, and this course illuminates the opportunities related to understanding manufacturing. In this Project Lead the Way course, students discover and explore manufacturing processes, product design, robotics, and automation, and then they apply what they have learned to design solutions for real-world manufacturing problems. Class is taught at the Keller Center for Advanced Learning.

AP Physics C:

Electricity and Magnetism

TEDS: A3050005



KISD: 3435

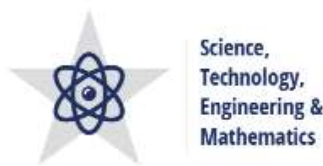
Credit: 1

Grade: 11-12

Recommended prerequisite: Physics, Algebra I, Geometry, Algebra II, concurrent Calculus

This course is designed for students interested in pursuing a degree in science, math or engineering. It is a calculus-based approach to physics and focuses on a more in-depth study of electromagnetism. It provides instruction on electrostatics, conductors, capacitors and dielectrics, electric circuits, magnetic fields, and electromagnetism. The course should prepare students for successful completion of the AP Physics C: Electricity and Magnetism Exam. The content of the course will meet College Board standards. **AP students prepare to take the Advanced Placement Exam in May for possible college credit.** This course counts as a science credit. Class is taught at the Keller Center for Advanced Learning.





Program of Study Course Sequence	9th Grade	10th Grade	11th Grade	12th Grade
Math*	<u>Required</u> Algebra I , Geometry, and Algebra II		<u>PICK TWO:</u> Pre-Calculus, Statistics, Calculus, Linear Algebra and Multivariable Calculus <i>Choose the appropriate level and check prerequisites.</i>	

*Denotes non-CTE pathway

Algebra I

TEDS: 03100500



KISD: 2003

Credit: 1

Grade: 9

Recommended prerequisite: Grade 8 Mathematics

Algebra I students build on earlier math experiences, deepening their understanding of relations and functions and expanding their repertoire of familiar linear and quadratic functions, among others. Students learn to combine functions, express functions in equivalent forms, compose functions, and find inverses where possible. Algebra I will provide students with insights into mathematical abstraction and structure through the content strands Foundations for Functions, Linear Functions, and Quadratics and other Non-Linear Functions. It is extremely important for students to learn Algebra I standards in depth, as it is a foundation for other math courses.

Algebra I Pre-AP

TEDS: 03100500



Pre **AP**
KISD: 2013

Credit: 1

Grade: 9

Recommended prerequisite: Grade 8 Mathematics

There is a strong expectation that all of the students in a Pre-AP math program are preparing for Advanced Placement Calculus and/or Advanced Placement Statistics. Algebra I Pre-AP is designed to prepare students who will be accelerating their math coursework by taking concurrently Algebra II Pre-AP and Geometry Pre-AP in grade 10, or Geometry Pre-AP and Pre-Calculus Pre-AP in grade 11 in order to take Advanced Placement Calculus or Advanced Placement Statistics in their 11th or 12th grade year of high school. Algebra I Pre-AP students build on earlier math experiences, deepening their understanding of relations and functions and expanding their repertoire of familiar linear and quadratic functions, among others. Algebra I will provide students with insights into mathematical abstraction and structure through the content strands Foundations for Functions, Linear Functions, and Quadratics and other Non-Linear Functions. It is extremely important for students to learn Algebra I standards in depth, as it is a foundation for other math courses.

Geometry

TEDS: 03100700



KISD: 2213

Credit: 1

Grade: 9-12

Recommended prerequisite: Algebra I

High school students develop facility with a broad range of ways of representing geometric ideas – including coordinates, networks, transformations – that allow multiple approaches to geometric problems and that connect geometric interpretations to other contexts. Students learn to recognize connections among different representations, thus enabling them to use these representations flexibly. Students will expand their understanding through other mathematical experiences through the Geometry content strands of Geometric Structure, Geometric Patterns, Dimensionality and the Geometry of Location, Congruence and the Geometry of Size, and Similarity and the Geometry of Shape.

Geometry Pre-AP

TEDS: 03100700



KISD: 2223

Credit: 1

Grade: 9-12

Recommended prerequisite: Algebra I

There is a strong expectation that all of the students in a Pre-AP math program are preparing for Advanced Placement Calculus and/or Advanced Placement Statistics. Geometry Pre-AP is designed to prepare students who will be accelerating their math coursework by taking concurrently Algebra II Pre-AP and Geometry Pre-AP in grade 10, or Geometry Pre-AP and Pre-Calculus Pre-AP in grade 11 in order to take Advanced Placement Calculus or Advanced Placement Statistics in their 11th or 12th grade year of high school. Geometry Pre-AP includes the basic understanding of the Geometry curriculum with added rigor, depth, global connections, multiple representations (verbal, algebraic, numerical, graphical, physical), and expectations of sophistication in student work.

Algebra II

TEDS: 03100600



KISD: 2043

Credit: 1

Grade: 10-12

Recommended prerequisite: Algebra I

In Algebra II, students build on Algebra I and Geometry experiences, both deepening their understanding of relations and functions and expanding their repertoire of familiar functions. Students use technological tools to represent and study the behavior of polynomial, exponential, rational, and periodic functions, among others. Students learn to combine functions, express them in equivalent forms, compose functions, and find inverses where possible. Students will come to understand the concept of parent functions and learn to recognize the characteristics of various parent and familiar functions. Algebra II provides students with insights into mathematical abstraction and structure through the content strands of Foundations for Functions, Algebra and Geometry, Quadratic and Square Root Functions, Rational Functions, and Exponential and Logarithmic Functions. Connections will be made between algebra and geometry and the tools of one will be used to help solve problems in the other.

Algebra II Pre-AP

TEDS: 03100600



KISD: 2033

Credit: 1

Grade: 10-12

Recommended prerequisite: Algebra I

There is a strong expectation that all of the students in a Pre-AP math program are preparing for Advanced Placement Calculus and/or Advanced Placement Statistics. Algebra II Pre-AP is designed to prepare students who will be taking Advanced Placement Calculus or Advanced Placement Statistics in their 11th or 12th grade year of high school. Algebra II Pre-AP includes the basic understanding of the Algebra II curriculum with added rigor, depth, global connections, multiple representations (verbal, algebraic, numerical, graphical, physical), and expectations of sophistication in student work.

Dual College Algebra: UT OnRamps

TEDS: 03100600 ☒

KISD: 2318

Credit: 1

Grade: 10-12

Recommended prerequisite: Algebra I and Geometry

In this dual credit course, students deepen their critical thinking skills and develop their ability to persist through challenges as they explore function families: linear, absolute value, quadratic, polynomial, radical, rational, exponential, and logarithmic. Students analyze data algebraically and with technology while developing their knowledge of properties of functions, matrices and systems of equations, and complex numbers. The pedagogy of the course, inquiry-based learning, encourages students to take an active role in the construction of their learning. This learning will be accomplished by abstraction, generalization, problem-solving, and modeling. Students will experience high quality curriculum designed by the faculty at The University of Texas at Austin and delivered by Keller ISD teachers. Students can earn three hours of UT credit, with feedback and assessment provided by UT course staff.

Pre-Calculus

TEDS: 03101100 ☒

KISD: 2303

Credit: 1

Grade: 10-12

Recommended prerequisite: Algebra I, Geometry, and Algebra II

Pre-calculus is the preparation for calculus. The course approaches topics from a function point of view, where appropriate, and is designed to strengthen and enhance conceptual understanding and mathematical reasoning used when modeling and solving mathematical and real-world problems. Students systematically work with functions and their multiple representations. The study of pre-calculus deepens students' mathematical understanding and fluency with algebra and trigonometry and extends their ability to make connections and apply concepts and procedures at higher levels. Students investigate and explore mathematical ideas, develop multiple strategies for analyzing complex situations, and use technology to build understanding, make connections between representations, and provide support in solving problems.

Pre-Calculus Pre-AP

TEDS: 03101100 ☒

KISD: 2313

Credit: 1

Grade: 10-12

Recommended prerequisite: Algebra I, Geometry, and Algebra II

There is a strong expectation that all of the students in a Pre-AP math program are preparing for Advanced Placement Calculus and/or Advanced Placement Statistics. Pre-Calculus Pre-AP is designed to prepare students who will be taking Advanced Placement Calculus or Advanced Placement Statistics in their 11th or 12th grade year of high school. Pre-Calculus Pre-AP includes the basic understanding of the Pre-Calculus curriculum with added rigor, depth, global connections, multiple representations (verbal, algebraic, numerical, graphical, physical), and expectations of sophistication in student work.

Dual Pre-Calculus:

UT OnRamps

TEDS: 03101100 ☒

KISD: 2314

Credit: 1

Grade: 10-12

Recommended prerequisite: Algebra I, Geometry, and Algebra II

Students will deepen and extend their knowledge of functions, graphs, and equations from their high school algebra and geometry courses so they can successfully work with the concepts in a rigorous university-level Calculus course. This course is designed to push students well beyond "drill and kill" type exercises, with an emphasis on unpacking mathematical definitions and making logical arguments to their peers. The course is divided into seven units; each unit consists of a series of explorations designed to engage students and empower them to develop their problem-solving skills. In each exploration students will create connections with prior concepts in developing the current topic. Students will experience high quality curriculum designed by the faculty at The University of Texas at Austin and delivered by Keller ISD teachers. Students can earn three hours of UT credit, with feedback and assessment provided by UT course staff.

Statistics

TEDS: 03102530



KISD: 2417

Credit: 1

Grade: 10-12

Recommended prerequisite: Geometry and Algebra II

In Statistics, students will build on the knowledge and skills for mathematics in Kindergarten-Grade 8 and Algebra I. Students will broaden their knowledge of variability and statistical processes. Students will study sampling and experimentation, categorical and quantitative data, probability and random variables, inference, and bivariate data. Students will connect data and statistical processes to real-world situations.

AP Statistics

TEDS: A3100200



KISD: 2403

Credit: 1

Grade: 10-12

Recommended prerequisite: Geometry and Algebra II

This course prepares students for the College Board AP Statistics Exam for possible college credit (1 semester, non-Calculus based Statistics). AP Statistics introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes: Exploring Data: Describing patterns and departures from patterns, Sampling and Experimentation: Planning and conducting a study, Anticipating Patterns: Exploring random phenomena using probability and simulation, Statistical Inference: Estimating population parameters and testing hypotheses. **AP students prepare to take the Advanced Placement Exam in for possible college credit.**



Dual Statistics:

UT OnRamps

TEDS: 03102530



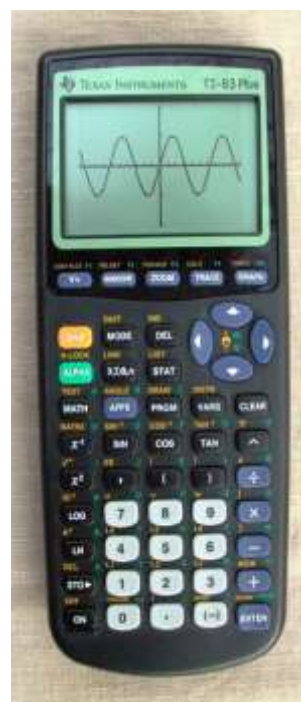
KISD: 2414

Credit: 1

Grade: 11-12

Recommended prerequisite: Geometry and Algebra II

OnRamps Statistics is a dual-enrollment data analysis course for high school juniors and seniors seeking to develop the quantitative reasoning skills and habits of mind necessary to succeed in the higher education environment. This course will target conceptual understanding and hone highly relevant mathematical skills through scaffolded introduction to statistical methodologies, informal game play, and strategic lab exercises that engage students in hands-on analysis of real data. Valuable programming and coding skills are acquired as a means to conducting these analyses, giving students a solid foundation in data science. Team-based problem solving is highly valued, and assessments will guide students through self-reflective analyses of their own preparedness and depth of understanding. Students will experience high-quality curriculum designed by the faculty at The University of Texas at Austin. Students can earn three hours of UT credit with feedback and assessment provided by UT course staff. This course counts as 1 credit. Algebra II and Geometry are the prerequisites.



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Calculus

TEDS: 03102500



KISD: 2322

Credit: 1

Grade: 11-12

Recommended prerequisite: Pre-Calculus

Calculus is designed for college bound students who have taken on level Pre-Calculus. Topics include elementary functions, limits, differential calculus and integral calculus. Applications include problems from business, economics, life sciences and social sciences. Students will also review many college algebra skills to help prepare them for college math placement tests.

AP Calculus AB



TEDS: A3100101



KISD: 2333

Credit: 1

Grade: 11-12

Recommended prerequisite: Pre-Calculus

This course prepares students for the College Board AP Calculus AB Exam for possible college credit (1st semester calculus). AP Calculus AB is primarily concerned with developing the students' understanding of the concepts of calculus and providing experience with its methods and applications. The course emphasizes a multi-representational approach to calculus, with concepts, results, and problems being expressed graphically, numerically, analytically, and verbally. Calculus AB topics include Functions, Graphs and Limits; Derivatives; and Integrals. **AP students prepare to take the Advanced Placement Exam in May for possible college credit.**

AP Calculus BC*



TEDS: A3100102



KISD: 2343

Credit: 1

Grade: 11-12

Recommended prerequisite: AP Calculus AB

This course prepares students for the College Board AP Calculus BC Exam for possible college credit (1st and 2nd semester Calculus). Students explore all topics covered in AP Calculus AB plus additional topics such as parametric, polar, and vector functions and derivatives, L'Hospital's Rule, Applications of Integrals, and Polynomial Approximations and Series. **AP students prepare to take the Advanced Placement Exam in May for possible college credit.**

*AP Calculus AB and BC are traditionally double-blocked on the high school campus to support advanced level students and their individualized schedules.

Multivariable Calculus

TEDS: N1110018



KISD: 2363

Credit: .5

Grade: 11-12

Recommended prerequisite: AP Calculus BC

The concepts learned in the single variable calculus course and extends them to multiple dimensions. Topics discussed include: vector algebra; applications of the dot and cross product; equations of lines, planes, and surfaces in space; converting between rectangular, cylindrical, and spherical coordinates; continuity, differentiation, and integration of vector-valued functions; application of vector-valued functions such as curvature, arc length, speed, velocity, and acceleration; continuity, limits, and derivatives of multivariable functions, tangent planes and normal lines of surfaces; applying double and triple integrals to multivariable functions to find area, volume, surface area, mass, center of mass, and moments of inertia; vector fields; finding curl and divergence of vector fields; line integrals; conservative vector fields, conservation of energy. This course counts as a weighted ½ credit and is to be taken the first semester with Linear Algebra being the second semester course. Calculus BC is the prerequisite.

Linear Algebra

TEDS: N1110021



KISD: 2373

Credit: .5

Grade: 11-12

Recommended prerequisite: Multivariable Calculus

Students are introduced to linear algebra. This is probably the student's first extensive encounter with postulation or axiomatic mathematics. However, the emphasis is on the computational and geometrical aspects of the subject, keeping the abstractions down to a minimum. Students begin with vectors and matrices and progress to systems of linear equations before gradually becoming acquainted with vector spaces and linear transformations. This course counts as a weighted ½ credit and is to be taken the second semester with Multivariable Calculus being the first semester course. Multivariable Calculus is the prerequisite.

Multi-Disciplinary

The Multidisciplinary endorsement can be earned by completing one of the following three options:

<i>Option 1:</i>	<p style="text-align: center;">Complete four credits from each of the four foundation subject areas:</p> <p style="text-align: center;">English Mathematics Science Social Studies</p> <p style="text-align: center;">Must include English IV, and Physics and/or Chemistry</p>
<i>Option 2:</i>	<p style="text-align: center;">Complete four advanced placement or dual credits from the following departments:</p> <p style="text-align: center;">English Mathematics Science Social Studies Languages other than English Fine Arts</p> <p style="text-align: center;">Must include English IV, and Physics and/or Chemistry</p>
<i>Option 3:</i>	<p style="text-align: center;">Complete four advanced courses (junior level or higher) from within one endorsement or among multiple endorsements.</p>
<i>Check the Course Guide for Prerequisites and Grade Level Requirements</i>	



Advancement Via Individual Determination (AVID)

Course Name	Credits	Grade Levels	Required Prerequisites
AVID I	1	9-12	Application process
AVID II	1	10-12	AVID I or application process
AVID III	1	11-12	Previous enrollment in AVID elective class prior to grade 11 for at least one year
AVID IV	1	12	Previous enrollment in AVID elective class prior to grade 12 for at least one year

AVID I

TEDS: N1290001

KISD: 5762

Credit: 1

Grade: 9-12

Required prerequisite: Application process

Advancement Via Individual Determination (AVID) is an academic elective course that prepares students for college readiness and success. Each week, students receive instruction that utilizes a rigorous college-preparatory curriculum provided by AVID Center, tutor-facilitated study groups, motivational activities, and academic success skills. In AVID, students participate in activities that incorporate strategies focused on writing, inquiry, collaboration, organization, and reading to support their academic growth. Additionally, students engage in activities centered around exploring college and career opportunities and their own agency.

AVID II

TEDS: N1290002

KISD: 5763

Credit: 1

Grade: 9-12

Required prerequisite: Application process

During the 10th grade AVID elective course, students will refine the AVID strategies to meet their independent needs and learning styles. Students will continue to refine and adjust their academic learning plans and goals, increasing awareness of their actions and behaviors. As students increase their rigorous course load and school/community involvement, they will refine their time-management and study skills accordingly. Students will expand their writing portfolio to include analyzing prompts, supporting arguments and claims, character analysis, and detailed reflections. Students will also analyze various documents in order to participate in collaborative discussions and develop leadership skills in those settings. Students will expand their vocabulary use, continuing to prepare for college entrance exams. Text analysis will focus on specific strategies to understand complex texts. Lastly, students will narrow down their colleges and careers of interest based on their personal interests and goals. *This course will count as a student's 21st century skill requirement for graduation.*

AVID III

TEDS: N1290030

KISD: 5764

Credit: 1

Grade: 11-12

Required prerequisite: Previous enrollment in AVID elective class prior to grade 11 for at least 1 year; enrollment in at least one honors, AP, or dual credit course in the 11th grade

The 11th grade AVID Elective course is the first part in a junior/senior seminar course that focuses on writing and critical thinking expected of first- and second-year college students. In addition to the academic focus of the AVID seminar, there are college-bound activities, methodologies, and tasks that should be undertaken during the junior year to support students when they apply to four-year universities and confirm their postsecondary plans.

AVID IV

TEDS: N1290033

KISD: 5766

Credit: 1

Grade: 12

Required prerequisite: 2 years of previous AVID courses; enrollment in at least one honors, AP, or dual credit course in the 12th grade

The 12th grade AVID elective course is the second part in a junior/senior seminar course that focuses on the writing and critical thinking expected of first- and second-year college students. Students will complete a final research essay project with research skills gained in their junior year in AVID. In addition to the academic focus of the AVID senior seminar, there are college-bound activities, methodologies, and tasks that should be achieved during the senior year that support students as they apply to four-year universities and confirm their postsecondary plans. All AVID seniors are required to develop and present a portfolio representing their years of work in the AVID program, as well as complete the requirements for the seminar course.



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Career Preparation

Course Name	Credits	Grade Levels	Recommended Prerequisites
Career Preparation I and II	2	11-12	Teacher Approval and Completion of Application Process

Career Preparation I-II/ Extended Career Preparation

TEDS: 12701305 I **KISD:** 81003

TEDS: 12701405 II **KISD:** 81004

Credit: 3

Grade: 11-12

Required prerequisite: Completion of participation packet and teacher approval

This course is a work-based instructional arrangement, which develops essential knowledge and skills through classroom, technical knowledge and on the job internships in any approved career-tech specific training area. Internship placement must be teacher approved and fall within the guidelines and requirements in order for students to qualify for enrollment in this program.



Miscellaneous Courses

Elective Courses			
Course Name	Credits	Grade Levels	Recommended Prerequisites
Academic Decathlon	1	9-12	Previous test results, prior achievement in high school and counselor recommendations, and personal interviews with course instructors
Career and Technical Student Organization (CTSO) Leadership	1	12	General Employability Skills and teacher approval
Dual Aircraft Airframe Technology – TCC	2	11-12	TCC Admission Standards
Dual Aircraft Powerplant Technology – TCC	2	12	TCC Admission Standards
Family and Community Services	1	12	None
General Employability Skills	1	11-12	Teacher approval
Health Education	.5	9-12	None
Lifetime Nutrition and Wellness	.5	9-12	None
Political Science I	1	10-12	None
Student Leadership I	1	9-12	Student must have been or plan to be in student council during the term and have teacher approval. Officers and committee chairpersons will be given first opportunity.
Local Credits			
These courses do not count towards graduation requirements or grade point average.			
PSAT/SAT Prep	0.5	10-12	None
Student Leadership II	1	10-12	Student must have been or plan to be in student council during the term and have teacher approval. Officers and committee chairpersons will be given first opportunity.
Office Procedures	0	12	Students receive a “P” or “F”

Academic Decathlon I-IV

TEDS: N1290309 I **KISD:** 1180
TEDS: N1290313 II **KISD:** 1181
TEDS: N1290317 III **KISD:** 1189
TEDS: N1290318 IV **KISD:** 1190

Credit: 1

Grade: 9-12

Required prerequisite: Previous test results, prior achievement in high school, teacher and counselor recommendations, and personal interviews with course instructors

Academic Decathlon provides an intensive, exciting, demanding, and rewarding educational experience, which culminates with competition in area, state and national competitions. Through discipline and determination, the students learn by a variety of methods. Study skills are perfected and maturity is enhanced. Higher level and critical thinking skills, creative and productive thinking, the use of different learning styles with instructional strategies varying from lecture to independent study, guided research to competitive game formats and independent and guided research are all used in the many aspects in preparation for the competition experienced through the Decathlon program. In researching and writing a speech, students will compose an original paper for oral delivery, which encompasses an evaluative and critical process. Additional time beyond regular school hours is often required.

Career and Student Technical Organization (CTSO) Leadership

TEDS: **KISD:** 83031

Credit: 1

Grade: 12

Required prerequisite: General Employability Skills (GES) and teacher approval

This leadership course, designed to follow General Employability Skills (GES), will allow students to gain a knowledge base of their respective career and technical student organization (CTSO). Students will utilize and expand upon the knowledge base of the GES curriculum to be able to effectively market their programs/pathways and conduct business for their CTSO officer teams. Class is taught at the Keller Center for Advanced Learning.



Dual Aircraft Airframe Technology

TCC Ground Operations, Basic Electricity, Shop Practices, Aviation Science

TEDS: 13039400

KISD: 82721

Credit: 2

Grade: 11-12

Required prerequisite: TCC Admission Standards

This course is designed to teach the theory of operation of aircraft airframes, power plants, and avionics systems and associated maintenance and repair practices. Aircraft services include knowledge of the function, diagnosis, and service of the electrical, electronic, hydraulic, pneumatic, airframe, mechanical, and power plant components of aircraft. Students must enroll, purchase the books required, and pay for Ground Operations (AERM 1310), Basic Electricity (AERM 1314), Shop Practices (AERM 1303), and Aviation Science (AERM1315) at TCC to receive credit for this course. These classes are all taught at TCC-Alliance. Students must have their own transportation.



Dual Aircraft Powerplant Technology

TCC Airframe Electrical Systems; Hydraulic, Pneumatics, and Fuel Systems; Fuel Metering and Induction Systems; Aircraft Turbine Engine Theory

TEDS: 13039500

KISD: 82722

Credit: 2

Grade: 12

Required prerequisite: Dual Aircraft Airframe Technology and TCC Admission Standards

This course is designed to apply the theory of operation, repair, and maintenance of aircraft airframe, power plant, and avionics systems. Aircraft services include knowledge of the function, diagnosis, and service of the electrical, electronic, hydraulic, pneumatic, airframe, mechanical, and power plant components of aircraft as governed by federal aviation regulations. Students must enroll, purchase the books required, and pay for Airframe Electrical Systems (AERM 1345), Hydraulic, Pneumatics, and Fuel Systems (AERM 1349), Fuel Metering and Induction Systems (AERM 1357), and Aircraft Turbine Engine Theory (AERM 1351) at TCC to receive credit for this course. These classes are all taught at TCC-Alliance. Students must have their own transportation.

Family and Community Services

TEDS: 13024900

KISD: 81506

Credit: 1

Grade: 12

Required prerequisite: None

This course is designed to involve students in realistic and meaningful community-based activities through direct service or serving-learning experiences. Students are provided opportunities to interact with and provide services to individuals, families, and the community through community or volunteer services. Emphasis is placed on developing and enhancing organizational and leadership skills and characteristics. The course will provide senior students with an elective that supports growth in leadership and employability skills.

General Employability Skills (GES)

TEDS: N1270153

KISD: 83030

Credit: 1

Grade: 11-12

Required prerequisite: Teacher approval

This course provides students with knowledge of the prerequisite skills for general employment as well as the means of obtaining those skills. Employability skills include fundamentals of maintenance of personal appearance and grooming. The course also includes the knowledge, skills, and attitudes that allow employees to get along with their co-workers, make important work-related decisions, and become strong members of the work team. Discovering job possibilities that link skills, abilities, interests, values, needs, and work environment preferences is a part of the process of obtaining employability skills and abilities and is experiential learning that takes place over time. This course is designed to guide students in obtaining the knowledge and the needed employability skills that are transferable among a variety of jobs and careers and are considered essential in any employment situation. Students will learn and apply basic knowledge of what is expected in the workplace. Class is taught at the Keller Center for Advanced Learning.

Health Education

TEDS: 03810100

KISD: 5001

Credit: .5

Grade: 9-12

Recommended prerequisite: None

Health Education enables each student to develop an understanding of the attitudes and habits that are conducive to healthful living. The Health Education class will help students develop skills that will make them health-literate adults. Students will use problem-solving, research, goal-setting, and communication skills to protect their health and that of the community. Students who successfully complete this course receive high school credit and the course is used in calculating students' high school GPA and class rank.



Lifetime Nutrition and Wellness

TEDS: 13024500

KISD: 82101

Credit: .5

Grade: 9-12

Recommended prerequisite: Principles of Human Services or Principles of Health Science

This laboratory course allows students to use principles of lifetime wellness and nutrition, including knowledge of nutritionally-balanced diets, to help them make informed choices that promotes wellness, as well as pursues careers related to human services. Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extra-curricular organizations. **This course is also available as an online course through the Keller ISD Virtual Learning program.**

Political Science I

TEDS: 13018300

KISD: 81701

Credit: 1

Grade: 10-12

Recommended prerequisite: None

This course focuses on planning and performing governmental functions at the local, state, and federal levels, including governance, national security, foreign service, planning, revenue and taxation, and regulations. It introduces students to political theory through the study of governments; public policies; and political processes, systems, and behavior. This course counts as a social studies elective and a CTE elective.

Student Leadership I-II

TEDS: N1290010 I **KISD:** 1183
TEDS: 85000300 II **KISD:** 1184 (Local)

Credit: 1

Grade: 9-12

Recommended prerequisite: Student must have been or plan to be in student council during the term and obtain teacher approval; officers and committee chairpersons will be given first opportunity

This course is designed for students to explore what it means to be a leader and guide efforts at exercising leadership skills. The course is project and activity based and includes the following topics: leadership skills, Parliamentary Procedure, group dynamics and team building, decision-making skills, personal and group motivation and goal setting, problem-solving techniques, communication skills, leadership roles, human relation skills and understanding the need for civic responsibility. A student contract outlining responsibilities and expectations will need to be signed by parent and student. A student will earn one state credit. If course is repeated, a local credit may be earned.

PSAT/SAT Prep

TEDS: 85000001 **KISD:** 1191

Credit: .5 (Local)

Grade: 10-12

Recommended prerequisite: None

The PSAT Prep Seminar is an intensive and demanding educational experience that focuses on preparing juniors to compete in the National Merit Scholarship Program. Students will be involved daily in the rigorous instructional strategies designed to improve both verbal and quantitative scores. Students work with materials used on previously administered PSAT and SAT tests as they become available, but are also held responsible for in depth study into all tested aspects of the program.

Office Procedures

TEDS: 85000100 **KISD:** 9803

Credit: 1 (Local) **KISD KCAL:** KC9803

Grade: 12

Recommended prerequisite: High school specific

The office procedures class is available to classified seniors on track to graduate. Qualified students will be placed in settings such as library, office, counseling, or teacher aide and will provide support. For this local course credit, students will receive a "P" or "F" and it will not be calculated into the grade point average.



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Special Education Courses

Note: An Admission, Review and Dismissal (ARD) Committee determine Special education placement and individual course selections. Placement and course selections are reviewed, at a minimum, on an annual basis.

Special Education Course Offerings: The following is a list of the courses taught by special education teachers. All students will have access to the general curriculum and to the Texas Essential Knowledge and Skills (TEKS). Curriculum may be accessed through modifications, accommodations, and/or Recommended Prerequisite skills dependent upon the individual needs of the student. All core subject special education courses are taken for credit.

4 Year Plan: Resource, Stars, and Strides Programs				
Subject Area	Freshman	Sophomore	Junior	Senior
Modified English	English I	English II	English III	English IV
Modified Math	Algebra I	Geometry	Math Models	Algebra II
Modified Science	IPC	Biology	Chemistry	Physics
Modified Social Studies	World Geography	World History	US History	Government/ Economics
Fine Arts	1 credit of Fine Arts			
World Language	2 credits of the same world language			
21st Century Skills	Professional Communications			
Electives	All modified students have access to all general education electives			
Modified Electives— All modified electives are taught by special education teachers	Career Preparation	Career Preparation I 2-3 Credits	Career Preparation II 2-3 Credits	
	Methodology For Academic and Personal Success— MAPS	MAPS I - 1 credit	MAPS II - 0 Credit	
	General Employability Skills	GES - 1 Credit		

ENGLISH LANGUAGE ARTS

English I Modified

TEDS: 03220100

KISD: M1003/CT1003

Credit: 1

Grade: 9

Recommended prerequisite: ARD Decision

This course uses modified English I content to meet the individual learning requirements of students. The focus is on integrated language arts study in language/writing, literature/reading, speaking/listening, and view representing. Students will integrate correct language skills within the reading and writing processes; plan, draft, and complete written compositions from all writing forms on a regular basis; read and respond to multiple genres from world literature translated into English from various cultures; understand basic literary concepts. Some variation in course content/emphasis may occur on campus depending on the individual learning needs of the students.

English II Modified

TEDS: 03220200

KISD: M1033/CT1033

Credit: 1

Grade: 10

Recommended prerequisite: ARD Decision

This course uses modified English II content to meet the individual learning requirements of students. The focus is on integrated language arts study in language/writing, literature/reading, speaking/listening, and viewing representing. Students increase and refine their communication skills; plan, draft, and complete written compositions with emphasis on persuasive forms; read extensively in multiple genres from world literature translated to English from various cultures. Students continue development of study skills, strategies, and the use of critical thinking skills. Some variation in course content/emphasis may occur on campus depending on the individual needs of the students.

English III Modified

TEDS: 03220300

KISD: M1063/CT1063

Credit: 1

Grade: 11

Recommended prerequisite: ARD Decision

This course uses modified English III content to meet the individual learning requirements of students. The focus is on integrated language arts study in language/writing, literature/reading, speaking/listening, and viewing representing. Students continue to increase and refine communication skills; plan, draft, and complete written compositions with emphasis on business forms on a regular basis. American literature and other world literature provide the source for critical thinking and literary essays. Students' present and critique oral communications and Graphic Design & Illustration products. Students continue development of study skills, strategies, and the use of critical thinking skills. Some variation in course content/emphasis may occur on campus depending on the individual learning needs of the students.

English IV Modified

TEDS: 03220400

KISD: M1093/CT1093

Credit: 1

Grade: 12

Recommended prerequisite: ARD Decision

This course meets the individual learning requirements of students by focusing on Recommended Prerequisite skill for the grade level English I TEKS. The focus is on integrated language arts study in language/writing, literature/reading, speaking/listening, and viewing/representing. Students will integrate correct language skill within the reading and writing processes; plan, draft, and complete written compositions from all writing forms on a regular basis; read, and respond to multiple genres from world literature translated into English from various cultures; understand basic literary concepts. Some variation in course content/emphasis may occur on campus depending on the individual learning needs of the students.

MATHEMATICS

Algebra I Modified

TEDS: 03100500

KISD: M2003/CT2003

Credit: 1

Grade: 9

Recommended prerequisite: ARD Decision

Algebra 1 Modified is designed for students to learn the skills and application of Algebra 1 through modified and accommodated curriculum. Algebra 1 Modified students build on earlier math experiences, deepening their understanding of relations and functions and expanding their repertoire of familiar linear and quadratic functions, among others.

Geometry Modified

TEDS: 03100700

KISD: M2213/CT2213

Credit: 1

Grade: 10

Recommended prerequisite: ARD Decision

Geometry Modified is designed for students to learn the skills and application of geometry through modified and accommodated curriculum. Students develop the facility with a broad range of ways of representing geometric ideas that allow multiple approaches to geometric problems that connect geometric interpretations to other contexts.

Math Models with Applications Modified

TEDS: 03102400

KISD: M2123/CT2123

Credit: 1

Grade: 11

Recommended prerequisite: ARD Decision

Math Models with Applications Modified is designed for students to continue to build on the K-8 and Algebra 1 Modified foundations as they expand their understanding through other mathematical experiences. Through the use of modified and accommodated curriculum students use mathematical methods to model and solve real-life application problems involving money, date, chance, patterns, music, design, and science. Students use a variety of representations, tools, and technology to link modeling techniques and purely mathematical concepts and to solve applied problems.

Algebra II Modified

TEDS: 03100600

KISD: M2043/CT2043

Credit: 1

Grade: 12

Recommended prerequisite: ARD Decision

Algebra 2 Modified is designed for students to build on Algebra 1 Modified and Geometry Modified experiences, both deepening their understanding of relations and functions and expanding their repertoire of familiar functions. Through the use of modified and accommodated curriculum students will be provided insights into mathematical abstraction and structure through the content strands. Connection will be made between algebra and geometry and the tools of one will be used to help solve problems in the other.



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SCIENCE

Integrated Physics and Chemistry Modified

TEDS: 03060201

KISD: M3003/CT3003

Credit: 1

Grade: 9-12

Recommended prerequisite: ARD Decision

This course meets the requirements of students by focusing on Recommended Prerequisite skills for the grade level of Integrated Physics and Chemistry (IPC) TEKS. In Integrated Physics and Chemistry, students conduct field and laboratory investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. This course integrates the disciplines of physics and chemistry with the following topics: force, motion, energy, and matter.

Biology Modified

TEDS: 03100200

KISD: M3103/CT3103

Credit: 1

Grade: 9-12

Recommended prerequisite: ARD Decision

This course meets the individual learning requirements of students by focusing on Recommended Prerequisite skills for the grade level Biology TEKS. The course may cover cell structure and function of systems in organisms, scientific, processes and basic concept of biochemistry, genetics, microbiology, taxonomy, botany, physiology, and zoology. Some variation in course content/emphasis may occur on campus depending on the individual learning needs of the students.

Chemistry Modified

TEDS: 03040000

KISD: M3303/CT3303

Credit: 1

Grade: 9-12

Recommended prerequisite: ARD Decision

This course uses modified/ co-teach Chemistry content to meet the individual learning requirements of students. Students conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students study a variety of topics that include characteristics of matter, use of the Periodic Table, development of atomic theory and chemical bonding, chemical stoichiometry, gas laws, solution chemistry, thermochemistry, and nuclear chemistry. Students will investigate how chemistry is an integral part of our daily lives. Some variation in course content/emphasis may occur on campus depending on the individual learning needs of the students.



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SOCIAL STUDIES

World Geography Modified

TEDS: 03220100 **KISD:** M4203/CT4203

Credit: 1

Grade: 9

Recommended prerequisite: ARD Decision

This course meets the individual learning requirements of students by focusing on Recommended Prerequisite skills for the grade level World Geography TEKS. This course involves study of the interaction of people and cultures with their physical environment in the world's major areas: attention to the locations of natural resources, geographic boundaries, landforms, economic development, language, patterns of settlement, and the interaction of cultures and nations within the context of global development. Activities use critical thinking skills and technology resources designed to assist students in recognizing how understanding events in World Geography will influence our country and our people. Some variation in course content/emphasis may occur on campus depending on the individual learning needs of the students.

World History Modified

TEDS: 03340400 **KISD:** M4103/CT4103

Credit: 1

Grade: 10

Recommended prerequisite: ARD Decision

This course meets the individual learning requirements of students by focusing on Recommended Prerequisite skills for the grade level World History TEKS. The course focuses on historical development of human society from past to present times. Emphasis placed on major events, world leaders, economic and political institutions, technological innovations, and the philosophical and religious beliefs that have shaped the modern world. Some variation in course content/emphasis may occur on campus depending on the individual learning needs of the students.

United States History Modified

TEDS: 03340100 **KISD:** M4003/CT4003

Credit: 1

Grade: 11

Recommended prerequisite: ARD Decision

This course meets the individual learning requirements of students by focusing on Recommended Prerequisite skills for the grade level U.S. History TEKS. The course focuses on U.S. history from Reconstruction to the present. Students review and evaluate major themes and events in U.S. history, leaders, economic and political institutions, technological innovations, and the philosophies that affect the United States today. Some variation in course content/emphasis may occur on campus depending on the individual learning needs of the students.

Government/Economics Modified

TEDS: 03330100 Government **KISD:** M4301

TEDS: 03310300 Economics **KISD:** M4302

Credit: .5 each

Grade: 12

Recommended prerequisite: ARD Decision

Government and Economics modified/ co-teach courses will enable the student to define their rights, privileges and responsibilities within the school, community, and employment settings. Concepts include voting, laws, and consequences of unlawful behavior, honesty, integrity, community volunteerism, rules, and regulations. Students are instructed on how to be productive and safe in a variety of community situations including employment. Students will become familiar with the basic concepts of personal responsibility related to employability and being a productive, contributing member of a business, community and/or organization. History studies will provide a survey of the history and development of our world's area and cultures with emphasis on social, cultural, economic, and political developments of the United States of America.

ELECTIVES

Career Preparation I-II Modified

TEDS: 13025000 I **KISD:** M8028

TEDS: 13025010 II **KISD:** M8029

Credit: 2-3

Grade: 11-12

Recommended prerequisite: ARD Decision

This instructional arrangement/setting is for providing special education or related services to students who are placed on a job with direct involvement by special education personnel in the implementation of the student's Individual Education Plan (IEP). This instructional arrangement/setting shall be used only after the school district's career and technology classes have been considered and determined inappropriate for the student. **Practicum Experience is actual work period scheduled within the school day.**

Methodology for Academic and Personal Success (MAPS)

TEDS: N1130021 I **KISD:** M8301

TEDS: 9MAPS110 II **KISD:** M8302

Credit: 1

Grade: 9-10

Recommended prerequisite: ARD Decision

The course focuses on the skills and strategies necessary for students to make a successful transition into high school and an academic career. Students will explore the options available in high school, higher education, and the professional world in order to establish both immediate and long-range personal goals. **STUDENTS CAN ONLY OBTAIN 1 CREDIT FOR THIS COURSE. MAPS II IS FOR ZERO CREDIT.**

General Employability Skills (GES)

TEDS: N1270153

KISD: M8303

Credit: 1

Grade: 11-12

Required prerequisite: Teacher approval

This course provides students with knowledge of the prerequisite skills for general employment as well as the means of obtaining those skills. Employability skills include fundamentals of maintenance of personal appearance and grooming. The course also includes the knowledge, skills, and attitudes that allow employees to get along with their co-workers, make important work-related decisions, and become strong members of the work team. Discovering job possibilities that link skills, abilities, interests, values, needs, and work environment preferences is a part of the process of obtaining employability skills and abilities and is experiential learning that takes place over time. This course is designed to guide students in obtaining the knowledge and the needed employability skills that are transferable among a variety of jobs and careers and are considered essential in any employment situation. Students will learn and apply basic knowledge of what is expected in the workplace.



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4 Year Plan: STACC, Life, and Medically Fragile Programs

Subject Area	Freshman	Sophomore	Junior	Senior
Alternate English	English I	English II	English III	English IV
Alternate Math	Algebra I	Geometry	Math Models	Algebra II
Alternate Science	IPC	Biology	Chemistry	Physics
Alternate Social Studies	World Geography	World History	US History	Government/ Economics
Fine Arts	1 credit of Fine Arts			
World Language	2 credits of the same world language or			
Alternate 21 st Century Skills	Professional Communications			
Electives	All alternate students have access to all general education electives			
Alternate Electives	Career Preparation modified is taught by a SPED teacher.	Career Preparation I	Career Preparation II	

ENGLISH LANGUAGE ARTS

English I Alternate

TEDS: 03220107

KISD: T1003

Credit: 1

Grade: 9

Recommended prerequisite: ARD Decision

This course meets the individual learning requirements of students by focusing on Recommended Prerequisite skills for the grade level English I TEKS. The focus is on integrated language arts study in language/writing, literature/reading, speaking/listening, and viewing/representing. Students will integrate correct language skill within the reading and writing processes; plan, draft, and complete written compositions from all writing forms on a regular basis; read, and respond to multiple genres from world literature translated to English from various cultures; understand basic literary concepts. Some variation in course content/emphasis may occur on campus depending on the individual learning needs of the students.

English II Alternate

TEDS: 03220207

KISD: T1033

Credit: 1

Grade: 10

Recommended prerequisite: ARD Decision

This course meets the individual learning requirements of students by focusing on Recommended Prerequisite skills for the grade level English II TEKS. The focus is on integrated language arts study in language/writing, literature/reading, speaking/listening, and viewing/representing. Students increase and refine their communication skills; plan, draft, and complete written compositions with emphasis on persuasive forms; read extensively in multiple genres from world literature translated into English from various cultures. Students continue development of study skills, strategies, and the use of critical thinking skills. Some variation in course content/emphasis may occur on campus depending on the individual learning needs of the students.

English III Alternate

TEDS: 03220300

KISD: T1063

Credit: 1

Grade: 11

Recommended prerequisite: ARD Decision

This course meets the individual learning requirements of students by focusing on Recommended Prerequisite skills for the grade level English III TEKS. The focus is on integrated language arts study in language/writing, literature/reading, speaking/listening, and viewing/representing. Students continue to increase and refine communication skills; plan, draft, and complete written compositions with emphasis on business forms on a regular basis. American literature and other world literature provide the source for critical thinking and literary essays. Students' present and critique oral communications and Graphic Design & Illustration products. Students continue development of study skills, strategies, and the use of critical thinking skills. Some variation in course content/emphasis may occur on campus depending on the individual learning needs of the students.

English IV Alternate

TEDS: 03220400

KISD: T1093

Credit: 1

Grade: 12

Recommended prerequisite: ARD Decision

This course meets the individual learning requirements of students by focusing on Recommended Prerequisite skills for the grade level English IV TEKS. The focus is on integrated language arts study in language/writing, literature/reading, speaking/listening, and viewing/representing. Students continue to increase and refine communication skills; plan, draft, and complete written compositions with emphasis on business forms on a regular basis. American literature and other world literature provide the source for critical thinking and literary essays. Students continue development of study skills, strategies, and the use of critical thinking skills. Some variation in course content/emphasis may occur on campus depending on the individual learning needs of the students.

Independent English IV Alternate

TEDS: 03221800

KISD: T1133

Credit: 1

Grade: 12

Recommended prerequisite: ARD Decision

Independent English IV Alternate will assist students in developing skills in the areas of expressive, receptive, written, and representations of language. Attention is given to the ability to communicate effectively within the range of student's abilities. Students will integrate language in order to understand oral, written, and/or symbolic communication. Oral and written language will be used to express ideas, demands and needs, and to make inquiries. Communication will be examined in regards to social appropriateness, environmental cues and, prompts understanding generalizations in real life context, the responsibilities of independent living and skills related

Professional Communications

TEDS: 13009900

KISD: T1465

Credit: .5

Grade: 9-12

Recommended prerequisite: ARD Decision

Understanding and developing skills in oral communication are fundamental to all other learning and to all levels of human interaction. Students must understand concepts and processes involved in sending and receiving oral messages, evaluating and using nonverbal communication and listening for a variety of purposes. In Applied Speech Communication, students develop communication skills in interpersonal group and public interaction to establish and maintain productive relationships and function effectively in social, academic, and citizenship roles.



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MATHEMATICS

Algebra I Alternate

TEDS: 03100507

KISD: T2003

Credit: 1

Grade: 9

Recommended prerequisite: ARD Decision

This course meets the individual learning requirements of students by focusing on Recommended Prerequisite skills for the grade level Algebra 1 TEKS. Algebra 1 Alternate students build on earlier math experiences, deepening their understanding of relations and functions and expanding their repertoire of familiar linear and quadratic functions, among others. Students learn to combine functions, express functions in equivalent forms, compose functions and find inverses where possible. Algebra 1 Alternate will provide students with insights into mathematical abstraction and structure through the content strands Foundations for Functions, Linear Functions, and Quadratics and other Non-Linear Functions. It is extremely important for students to learn Algebra 1 standards in depth, as it is a foundation for other math courses.

Geometry Alternate

TEDS: 03100700

KISD: T2213

Credit: 1

Grade: 10

Recommended prerequisite: ARD Decision

This course meets the individual learning requirements of students by focusing on Recommended Prerequisite skills for the grade level Geometry TEKS. High school students develop facility with a broad range of ways of representing geometric ideas, including coordinates, networks, transformations, that will allow multiple approaches to geometric problems and that connect geometric interpretations to other contexts. Students learn to recognize connections among different representations, thus enabling them to use these representations flexibly. Students will expand their understanding through other mathematical experiences through the Geometry content strands of Geometric Structure, Geometric Patterns, Dimensionality and the Geometry of Location, Congruence and the Geometry of Size, and Similarity and the Geometry of Shape.

Math Models with Applications Alternate

TEDS: 03102400

KISD: T2123

Credit: 1

Grade: 11

Recommended prerequisite: ARD Decision

Math Models with Applications Modified is designed for students to continue to build on the K-8 and Algebra I Alternate foundations as they expand their understanding through other mathematical experiences. Through the use of modified and accommodated curriculum students use mathematical methods to model and solve real-life application problems involving money, date, chance, patterns, music, design, and science. Students use a variety of representations, tools, and technology to link modeling techniques and purely mathematical concepts and to solve applied problems.

Algebra II Alternate

TEDS: 03100600

KISD: T2043

Credit: 1

Grade: 12

Recommended prerequisite: ARD Decision

Algebra II Alternate is designed for students to build on Algebra 1 Alternate and Geometry Alternate experiences, both deepening their understanding of relations and functions and expanding their repertoire of familiar functions. Through the use of modified and accommodated curriculum students will be provided insights into mathematical abstraction and structure through the content strands. Connection will be made between algebra and geometry and the tools of one will be used to help solve problems in the other.

Independent Study in Mathematics Alternate

TEDS: 03102500

KISD: T2501

Credit: 1

Grade: 12

Recommended prerequisite: ARD Decision

These courses are designed to reinforce math operations using a variety of practical, real life situations that facilitate the understanding of using mathematics in daily living exercises. Emphasis is on applying mathematics in the use of money, personal financial situations and solving home and work problems by using the concepts of fundamental mathematics. Students practice these strategies within the context of simulation designed to reinforce the understanding of basic operations, as well as the application of these operations within technological tools that enhance understanding and accuracy.

SCIENCE

Integrated Physics and Chemistry Alternate

TEDS: 03060201

KISD: T3003

Credit: 1

Grade: 9-12

Recommended prerequisite: ARD Decision

This course meets the requirements of students by focusing on Recommended Prerequisite skills for the grade level of Integrated Physics and Chemistry (IPC) TEKS. In Integrated Physics and Chemistry, students conduct field and laboratory investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. This course integrates the disciplines of physics and chemistry with the following topics: force, motion, energy, and matter.

Biology Alternate

TEDS: 03010207

KISD: T3103

Credit: 1

Grade: 9-12

Recommended prerequisite: ARD Decision

This course meets the individual learning requirements of students by focusing on Recommended Prerequisite skills for the grade level Biology TEKS. The course may cover cell structure and function of systems in organisms, scientific, processes and basic concept of biochemistry, genetics, microbiology, taxonomy, botany, physiology, and zoology. Some variation in course content/emphasis may occur on campus depending on the individual learning needs of the students.



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Chemistry Alternate

TEDS: 03040000

KISD: T3303

Credit: 1

Grade: 9-12

Recommended prerequisite: ARD Decision

This course uses alternate Chemistry content to meet the individual learning requirements of students. Students conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students study a variety of topics that include characteristics of matter, use of the Periodic Table, development of atomic theory and chemical bonding, chemical stoichiometry, gas laws, solution chemistry, thermochemistry, and nuclear chemistry. Students will investigate how chemistry is an integral part of our daily lives. Some variation in course content/emphasis may occur on campus depending on the individual learning needs of the students.

Physics Alternate

TEDS: 03050000

KISD: T3403

Credit: 1

Grade: 9-12

Recommended prerequisite: ARD Decision

This course uses alternate Physics content to meet the individual learning requirements of students. Students conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students study a variety of topics that include: laws of motion; changes within physical systems and conservation of energy and momentum; forces; thermodynamics; characteristics and behavior waves; and atomic, nuclear, and quantum physics. Some variation in course content/emphasis may occur on campus depending on the individual learning needs of the students.

SOCIAL STUDIES

World Geography Alternate

TEDS: 032201070

KISD: T4203

Credit: 1

Grade: 9

Recommended prerequisite: ARD Decision

This course meets the individual learning requirements of students by focusing on Recommended Prerequisite skills for the grade level World Geography TEKS. This course involves study of the interaction of people and cultures with their physical environment in the world's major areas: attention to the locations of natural resources, geographic boundaries, landforms, economic development, language, patterns of settlement, and the interaction of cultures and nations within the context of global development. Activities use critical thinking skills and technology resources designed to assist students in recognizing how understanding events in World Geography will influence our country and our people. Some variation in course content/emphasis may occur on campus depending on the individual learning needs of the students.

World History Alternate

TEDS: 03340400

KISD: T4103

Credit: 1

Grade: 10

Recommended prerequisite: ARD Decision

This course meets the individual learning requirements of students by focusing on Recommended Prerequisite skills for the grade level World History TEKS. The course focuses on historical development of human society from past to present times. Emphasis placed on major events, world leaders, economic and political institutions, technological innovations, and the philosophical and religious beliefs that have shaped the modern world. Some variation in course content/emphasis may occur on campus depending on the individual learning needs of the students.

United States History Alternate

TEDS: 03340107

KISD: T4003

Credit: 1

Grade: 11

Recommended prerequisite: ARD Decision

This course meets the individual learning requirements of students by focusing on Recommended Prerequisite skills for the grade level U.S. History TEKS. The course focuses on U.S. history from Reconstruction to the present. Students review and evaluate major themes and events in U.S. history, leaders, economic and political institutions, technological innovations, and the philosophies that affect the United States today. Some variation in course content/emphasis may occur on campus depending on the individual learning needs of the students.

Government/Economics Alternate

TEDS: 03330100

Government

KISD: T4301

TEDS: 03310300

Economics

KISD: T4302

Credit: .5 each

Grade: 12

Recommended prerequisite: ARD Decision

Government and Economics Alternate courses will enable the student to define their rights, privileges and responsibilities within the school, community, and employment settings. Concepts include voting, laws, and consequences of unlawful behavior, honesty, integrity, community volunteerism, rules, and regulations. Students are instructed on how to be productive and safe in a variety of community situations including employment. Students will become familiar with the basic concepts of personal responsibility related to employability and being a productive, contributing member of a business, community and/or organization. History studies will provide a survey of the history and development of our world's area and cultures with emphasis on social, cultural, economic, and political developments of the United States of America.

ALTERNATE ELECTIVES

Activities for Daily Living (ADL) I-IV

TEDS: 85000XXX I **KISD:** 900

TEDS: 85000XXX II **KISD:** 901

TEDS: 85000XXX III **KISD:** 902

TEDS: 85000XXX IV **KISD:** 903

Credit: 0

Grade: 9-12

Recommended prerequisite: ARD Decision

This course is developed to integrate the domestic, recreation, leisure, school, and community domains. Students investigate through activity-based sessions, a variety of activities associated with the daily living experience. Organizing a daily routine and schedule will serve the students in their process of taking charge of independent living. Students will study areas of cooking, safety, leisure, chores, duties, responsibilities, budget, time management, first-aid, and communication. Personal safety and responsibility will be examined in response for taking care of one's self, others, and/or pets. Health care, transportation, telephone skills, and appropriate recreation activities are addressed in the context of developing a full capacity living experience. Students will develop strategies to respond to potential emergencies that may appear in the process of daily living.

Activities for Daily Living I: Focus will be on the study of daily living experiences with emphasis on daily routines and schedules.

Activities for Daily Living II: Focus will be on the study of daily living experiences with emphasis on personal safety and responsibility.

Activities for Daily Living III: Focus will be on the study of daily living experiences with emphasis on independent living skills.

Activities for Daily Living IV: Focus will be on the study of daily living experiences with emphasis on life choices, needs, and employment issues.

Advanced Health Education Alternate

TEDS: 03810200 **KISD:** T5003

Credit: .5

Grade: 9-12

Recommended prerequisite: ARD Decision

This course continues to expand upon health awareness. Applications related to current events, access to health and social services within the community, wellness strategies, mental health awareness, and substance abuse would be identified and examined. Some variation in course content/emphasis may occur on campus depending on the individual learning needs of the students.

Applied Music I-II Alternate

TEDS: 03152500 I **KISD:** T2750

TEDS: 03152600 II **KISD:** T2751

Credit: 1

Grade: 9-12

Recommended prerequisite: ARD Decision

The Applied Music course will introduce to the student the basic skills and concepts which will enable the student to explore life around them in new ways. Through the applied arts, the students will increase their problem-solving skills, sharpen their communication skills and participate in cooperative learning activities.

Art Alternate

TEDS: 03500100 **KISD:** T7403

Credit: .5

Grade: 9-12

Recommended prerequisite: ARD Decision

This alternate comprehensive study stresses the elements and principles of art and their uses in two and three-dimensional art. Various media and art forms are used to gain understanding of the basics. Some variation in course content/emphasis may occur on campus depending on the individual learning needs of the students.

Community Based Vocational Instruction (CBVI) I-III

TEDS: 85000XXX I **KISD:** 936

TEDS: 85000XXX II **KISD:** 937

TEDS: 85000XXX III **KISD:** 938

Credit: 0

Grade: 10-12

Recommended prerequisite: ARD Decision

In this instructional arrangement/setting students will practice employability skills at actual job sites in the local community. A wide range of sites will be used including, but not limited to: retail, service, volunteer, health related and clerical so as to provide the student with numerous opportunities to explore a variety of employment options. Students will be supervised directly by special education personnel without remuneration.

Community Based Vocational Instruction (CBVI) I:

Focus of instruction will be on individual responsibility on the job sites in the community with direct supervision by a certified teacher.

Community Based Vocational Instruction (CBVI) II:

Continued focus of instruction will be on individual responsibility on the job sites in the community with direct supervision by a certified teacher.

Health Education Alternate

TEDS: 03810100 **KISD:** T5001

Credit: .5

Grade: 9-12

Recommended prerequisite: ARD Decision

This course is a study in health awareness. Particular attention is given to growth, reproduction and development, exercise, diet and nutrition, leisure activities, personal development, and strategies to use in addressing personal health and hygiene issues and social skill development. The study of disease and life choices related in prevention of disease will be addressed within the course. Emphasis will be on making healthy lifestyle decisions. Some variation in course content/emphasis may occur on campus depending on the individual learning needs of the students.

Independent Study in Technology Alternate

TEDS: 03580900

KISD: T8603

Credit: 1

Grade: 9-12

Recommended prerequisite: ARD Decision

This course is an introduction to the computer and its uses. The student will develop skills through a continuous program of selective practice based on individual needs. The PAES (Practical Assessment Exploration System) Lab provides a comprehensive assessment to determine interests, aptitudes, learning styles, and possible work behavior barriers. This course is a comprehensive, hands-on curriculum that provides training in basic vocational skills and appropriate work behaviors. PAES operates in a simulated work environment in an on-campus lab setting where strict work procedures are followed. Students learn and explore career and vocational pathways in the following areas: Business/Marketing, Computer/Technology, Construction/Industrial, Processing/Production, and Consumer Service.

Individual and Team Sports Alternate

TEDS: PES00055

KISD: T50304

Credit: .5

Grade: 9-12

Recommended prerequisite: ARD Decision

Students in Individual Sports are expected to participate in a wide range of individual sports that can be pursued for a lifetime. The continued development of health-related fitness and the selection of individual sport activities that are enjoyable is a major objective of this course.

Occupational Preparation I-II

TEDS: 84900XXX I **KISD:** 964

TEDS: 84900XXX II **KISD:** 965

Credit: 0

Grade: 9-12

Recommended prerequisite: ARD Decision

This course prepares students to enter the job market through a study of employment issues including recognizing what skill define particular jobs, the application and interview processes, identifying barriers to employment, individual attributes that enhance employability, ways to locate jobs, using community services/resources to aid employment and maintaining a successful job experience. Issues to be presented are: safety, understanding job responsibilities, time requirements and management, relationships, task commitment, accepting feedback from authority figures, leaving a job appropriately, organizational skills, performance and evaluation, conduct, working with customers, and acceptance of job requirements. Job specific skills are presented in the areas of newspaper skills, telephone, placement assistance, multiple tasks and priority task awareness. Students will explore a variety of jobs and activities related to the job.

Occupational Preparation I: Focus of instruction will be on employability skills and job search.

Occupational Preparation II: Focus of instruction will be on aptitude, interests, and skills related to job search.

Career Preparation I-II Alternate

TEDS: 13025000 I **KISD:** T8028

TEDS: 13025010 II **KISD:** T8029

Credit: 3

Grade: 11-12

Recommended prerequisite: ARD Decision

This instructional arrangement/setting is for providing special education or related services to students who are placed on a job with direct involvement by special education personnel in the implementation of the student's Individual Education Plan (IEP). This instructional arrangement/setting shall be used only after the school district's career and technology classes have been considered and determined inappropriate for the student. **Practicum Experience is actual work period scheduled within the school day.**

Touch System Data Entry Alternate

TEDS: 13011300

KISD: T8301

Credit: 1

Grade: 9-12

Recommended prerequisite: ARD Decision

This course is an introduction to the computer and its uses. In this course, students will develop psychomotor skills in operating the keyboard as well as achieving acceptable speed and accuracy levels. This course will provide opportunities for students to apply keyboarding skills in real-life situations. The student will develop skills through a continuous program of selective practice based on individual needs.



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ADULT TRANSITION

Adult Transition Lab (ADL) I-II

TEDS: 85000XXX I **KISD:** 990

TEDS: 85000XXX II **KISD:** 991

Credit: 0

Grade: 12+

Recommended prerequisite: ARD Decision; age of 18-21

Completed requirements under minimum graduation plan; documented educational need in the form of an Individualized Education Program (IEP) in the area of postsecondary goals and/or functional based goals as documented in their individual transition plan.

The goal of the Keller ISD Secondary Transition Services program is to provide a seamless transition to life after high school by offering multiple opportunities to learn and use the skills necessary to function as independently as possible. Based on individual interests, strengths, and choices, each student will participate in community, recreational, employment, and independent living activities. These activities will continue into their adult life independent of educational services. Individualized supports for a successful transition to adult life are provided in the area of employment, recreation/activities, and independent living. Each young adult's daily schedule is based upon their postsecondary goals and corresponding performance expectations, and Individualized Education Program goals and objectives developed with collaboration of the student, his/her parents, teachers, and identified adult agencies. In addition to completing the minimum credit requirements, the student will graduate and be awarded a regular high school diploma when they have successfully completed their IEP consistent with one of the following conditions:

- The student has maintained full time employment based on the student's abilities and local employment opportunities, in addition to sufficient self-help skills to enable the student to maintain the employment without direct and ongoing educational support of the local school district.
- The student has demonstrated mastery of specific employability skills and self-help skills, which do not require direct ongoing educational support of the local school district.
- The student has gained access to services, which are not within the legal responsibility of public education, or employment or educational options for which the student has been prepared by the academic program.

Appendix

Please reference TEA website <http://ritter.tea.state.tx.us/rules/tac/chapter074/ch074b.html> for graduation requirements for students who entered 9th grade in 2014-2015 and beyond.

Chapter 74 (HB 5) Foundation Graduation Requirements (22 Credits Minimum)				
English Language Arts 4 Credits	Social Studies 3 Credits	Mathematics 3 Credits	Science 3 Credits	Foreign Language 2 Credits
English I English II English III	U.S. History Government (.5) & Economics (.5)	Algebra I Geometry	Biology	Fine Arts 1 Credit
Advanced English*	World Geography or World History	Advanced Math *	2nd Science*	Physical Education 1 Credit
			3rd Additional Advanced Science	Electives* 5 STATE Credits

Foundation + Endorsements (26 Credits or greater)				
Distinguished Level of Achievement: Foundation Graduation Plan (22 Credits) + Endorsement Including 4 credits in Science & 4 credits in Mathematics (must have Algebra II)				
Performance Acknowledgement: Performance based on coursework: Dual Credit Coursework, or bilingualism/bi-literacy, Performance based on exams: AP or IB Exam, PSAT, ACT-Plan, SAT or Performance based on earned industry credentials				
STEM (Science, Technology, Engineering, Math) *Algebra II *Chemistry *Physics/Principles of Technology (required)	Business & Industry	Arts & Humanities	Public Service	Multidisciplinary Studies
1 Math or CTE Math 1 Science or CTE Science				
(a) STEM; Coherent sequence of 4 credits	(d) Science; 5 credits Biology, Chemistry, Physics & 2 additional science courses	(a) Coherent sequence of courses for 4 or more credits in CTE at least 2 courses in same career cluster – 1 must be an advanced course	Agriculture, Food & Natural Resources, Architecture & Construction; Arts, A/V Technology & Communication, Business Management & Administration; Transportation, Distribution & Logistics; Marketing; Informational Technology; Manufacturing; Hospitality & Tourism; Finance	(a) A total of five social studies credits (b) Four levels of the same language in a language other than English (LOTE)
(b) Computer Science; Coherent Sequence of 4 credits	(e) Coherent sequence of 3 additional credits in no more than 2 areas listed in (a), (b), (c), and (d)	(b) Four English Elective credits by selectin 3 levels in 1 of the following areas, (19TAC.§74.11 (2b);		(d) Four levels of American Sign Language (e) coherent sequence of 4 credits by selecting courses from 1 or 2 categories or disciplines in fine arts or innovative courses (defined by commissioner)
(c) Math; 5 credits, Algebra I, Geometry, Algebra II, & 2 additional math (Alg. 2 as prerequisite)		(c) Four technology applications credits (19TAC.§74.11 (2c);		(f) Four English elective credits by selecting the following: (19TAC.§74.11 (41)
				(a) Coherent sequence of courses for four or more credits in CTE - at least 2 courses in the same cluster – 1 must be an advanced course; *Education & Training *Government & Public Administration *Health Science *Law, Public Safety & Corrections, *Security (b) Four courses in Junior Reserve Officer Training Corps (JROTC)
				(a) Four advanced courses that prepare a student to enter the workforce successfully or postsecondary education without remediation from within one endorsement area or among endorsement areas that are not in a coherent sequence (b) Four credits in each of the four foundation subject areas to include English IV and Chemistry and/or Physics (4x4) (c) Four credits in advanced placement, International Baccalaureate, or dual credit selected from English, Math, Science, Social Studies, Economics, LOTE, or Fine Arts



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