

HIGH SCHOOL COURSE GUIDE

2016-2017

CENTRAL



KELLER ISD
Intentionally  Exceptional

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.

Assurance of Non-Discrimination

Keller ISD does not discriminate on the basis of race, religion, color, national origin, gender, 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:

Penny Benz
Assistant Superintendent for Human Resources
350 Keller Parkway, Keller, TX 76248
(817) 744-1000

* Section 504 Coordinator, for concerns regarding discrimination on the basis of disability:

Charles Carroll
Chief Academic Officer
350 Keller Parkway, Keller, TX 76248
(817) 744-1000

* All other concerns regarding discrimination:

Dr. Randy Reid
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
Keller, TX 76244

Phone: 817-744-2000
Fax: 817-744-2252

David Hinson, Principal

*Mascot: Chargers
Colors: Crimson & Gold*

FOSSIL RIDGE HIGH SCHOOL

4101 Thompson Road
Keller, TX 76244

Phone: 817-744-1700
Fax: 817-337-3407

Dave Hadley, Principal

*Mascot: Panther
Colors: Black & Gold*

KELLER HIGH SCHOOL

601 North Pate-Orr Road
Keller, TX 76248

Phone: 817-744-1400
Fax: 817-337-3362

Dr. Michael Nasra, Principal

*Mascot: Indian
Colors: Blue & Gold*

TIMBER CREEK HIGH SCHOOL

12350 Timber Land Blvd.
Fort Worth, TX 76244

Phone: 817-744-2300
Fax: 817-744-2338

Todd Tunnell, Principal

*Mascot: Falcon
Colors: Purple & Gold*

NEW DIRECTION HIGH SCHOOL ALTERNATIVE EDUCATION HIGH SCHOOL

250 North College Street
Keller, TX 76248

Phone: 817-744-4465
Fax: 817-744-4464

Kenneth Anderson, Principal

Colors: Purple & Gold

Table of Contents

AP/Pre-AP Program	5
Career and Technical Education	5
Class Ranking	5
Course Credit Options	5
Credit	6
Elective.....	6
Endorsement	7
Enrollment	7
Gifted and Talented	7
Grade Reporting	7
Graduation Rankings.....	7
Graduation Requirements	8
High School Classification	8
Keller Center for Advanced Learning (KCAL).....	8
Physical Education.....	8
Prerequisites	9
Schedule Changes	9
Semester	9
Student Athletes.....	9
Summer Intervention.....	10
Testing.....	10
Transfer Students	11
Keller ISD Graduation Requirements-Students who entered High School Prior to 2014-2015.....	12
Keller ISD Graduation Requirements-Students who entered High School in 2014-2015 and beyond	13
Graduation Planning Grid.....	14
Keller ISD Side by Side Graduation Plans	15
Portrait of a Graduate	16
English Language Arts.....	17
Mathematics.....	24
Science.....	29
Social Studies	35
Physical Education.....	40
21 st Century Skills	43
Keller ISD Endorsements	44
Arts and Humanities Endorsement.....	45
Business and Industry Endorsement	70
Public Services Endorsement.....	101
Science, Technology, Engineering, Math (STEM) Endorsement.....	120
Virtual Courses	139
Career Preparation	140
Advancement Via Individual Determination (AVID).....	141
Miscellaneous Courses	142
Special Education Courses.....	144
Appendix A – Students who entered High School Prior to 2014-2015	155
Appendix B – Students who entered 9 th Grade in 2014-2015	158

AP/Pre-AP Program

and to perform at a higher academic level.

The Keller Independent School District secondary schools offer students the opportunity to participate in College Board AP and Pre-AP courses so that they may better prepare themselves for college. Because these classes are similar to college level classes, students are challenged to be more disciplined, structured

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

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.

Class Ranking

System of placing students in descending order according to their cumulative grade point averages. 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 and are used in the college admissions process.

Course Credit Options

other than the district high school.

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

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.

Dual Credit: 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. Students must receive permission from the professor prior to missing class. 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

Online Learning: The Keller ISD Virtual Learning program is designed to address the needs of students by providing opportunities to complete foundation courses in CTE pathways, accelerate their completion of language acquisition courses, and prepare them for success in online coursework as they continue their education past high school. Courses offered include French, German, Latin, and Spanish for 8th graders, as well as 10 Career & Technology (CTE) principles classes. Students must comply with the grading guidelines of the online program.

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. Students may not change their endorsement choice until after the 10th grade year.

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 Reporting

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 Recommended, Distinguished or Endorsement with Distinguished Graduation Plans. 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 at least the Recommended, Distinguished or Endorsement with Distinguished Graduation Plans. 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

- Students GPA's 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.
- Students ranking in the top 15% of the graduating class will be designated as "Honor graduates" and shall be so recognized at graduation. Of these honor graduates, the top ten ranking students will be recognized as graduating with "highest honors".
- 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:

[http://pol.tasb.org/Policy/Download/1103?filename=EIF\(LOCAL\).pdf](http://pol.tasb.org/Policy/Download/1103?filename=EIF(LOCAL).pdf)

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 I, 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 IEP's 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 Organizations 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.

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.:

Physical Education

Athletics (up to 4 credits)
Band during fall semester (maximum of 1 credit)
Cheerleading (maximum of 1 credit)
Drill Team (maximum of 1 credit)

Partner P.E. (up to 3 credit)
ROTC I (maximum of 1 credit)
Technical Theatre 2 (maximum of 1 credit)
Vocal Ensemble 1 (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 need 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 during online registration.
- Students who do not complete online 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 of school for high school 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 online 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 of school.

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

provided from a student's home campus.

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, and transportation is

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

*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.

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?	<p style="text-align: center;"><u>Passing Performance Standards:</u> Performance Level III: Advanced Academic Performance Performance Level II: Satisfactory Academic Performance</p> <hr style="border-top: 1px dashed black;"/> <p style="text-align: center;"><u>Non-passing Performance Standards:</u> Performance Level I: Unsatisfactory Academic Performance</p>			
When will students take initial attempt of EOC exams?	STAAR EOC English I and II administered in early spring. Each English exam consist of a reading and writing component combined on to one exam STAAR EOC Math, Science, and Social Studies administered in late spring.			
When are the STAAR EOC retest opportunities offered?	STAAR EOC Retest will be offered three times a year, once in the fall, summer, and spring.			

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 II 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: 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.act.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.

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

- a) ACT-Composite score of 23 with a minimum of 19 on the English and/or Mathematics test.
- b) 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.

Keller ISD Graduation Requirements-Students who entered High School Prior to 2014-2015

C R	COURSES	CR	COURSES	CR	COURSES
1 1 1 1	English I English II English III English IV (see Appendix A)	1 1 1 1	English I English II English III English IV	1 1 1 1	English I English II English III English IV
1 1 1	Algebra I Geometry Algebra II (see Appendix A)	1 1 1 1	Algebra I Geometry Algebra II 4 th Math Credit (see Appendix A) ** Math Models with Applications must be completed prior to enrolling in Algebra II and may NOT be taken concurrently with Algebra II.	1 1 1 1	Algebra I Geometry Algebra II 4 th Math Credit (see Appendix A)
1 1	Biology IPC **May substitute Chemistry or Physics for IPC but must use other as academic elective credit. ** May take Chemistry and Principles of Technology	1 1 1 1	Biology Chemistry Physics 4 th Science Credit (see Appendix A) **IPC must be completed prior to enrolling in Chemistry or Physics and may NOT be taken concurrently with Chemistry or Physics.	1 1 1 1	Biology Chemistry Physics 4 th Science Credit (see Appendix A)
1 1 0.5 0.5	World Geography OR World History U.S. History Government Economics	1 1 1 0.5 0.5	World Geography World History U.S. History Government Economics	1 1 1 0.5 0.5	World Geography World History U.S. History Government Economics
1	Academic Elective: World Geography or World History OR Any approved Science Course		No requirement		No requirement
	No requirement	2	2 Required in Same Language French, German, Latin, Spanish, ASL Level 1 and 2	3	3 Required in Same Language French, German, Latin, Spanish, ASL Level 1,2,3
1	Fine Art	1	Fine Art	1	Fine Art
1	P.E. OR Equivalent	1	P.E. OR Equivalent	1	P.E. OR Equivalent
0.5	Communication Applications OR Professional Communications	0.5	Communication Applications OR Professional Communications	0.5	Communication Applications OR Professional Communications
6.5	Elective Courses	5.5	Elective Courses	4.5	Elective Courses
	Minimum Total = 22		Recommended Total = 26		Distinguished Total = 26

Distinguished Graduation Plan – Students are honored by completing a curriculum that provides a high level of skills and readiness for the labor market or college. The Distinguished Graduate must complete three years of the same foreign language **AND** must attain four advanced measures in the following areas:

- Score of three or above on an AP exam. AP exams taken during the senior year will be verified after graduation.
- Original research/project of professional quality as judged by a panel of experts.
- Score on the PSAT that qualifies a student for recognition as a Commended Scholar or higher by the National Merit Scholarship Corporation; as part of the National Hispanic Scholar Program of the College Board; or as part of the National Achievement Scholarship Program for Outstanding Negro Students of the National Merit Scholarship Corporation.
- Grade A or B in a college course (including dual credit).

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 2	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			
21st Century Skills	.5 credit Professional Communications, Entrepreneurship, Problems and Solutions			
Electives	5.5 credits			
26 CREDITS				

Endorsement	Arts/Humanities	Business/Industry	Public Service	STEM	Multi-disciplinary
Programs of Study	English Fine Arts Social Studies World Languages	Agriculture Science Architecture/ Construction Arts/AV/ Communication Bus Manage/Admin Bus Communications Finance Marketing Transportation/ Logistics	Education/ Training Govt/Public Admin Health Science Hospitality/ Tourism Human Services JROTC Law Enforcement	Science Technology Engineering Math	
Requirements	<u>English</u> - 5 Credits <u>Social Studies</u> - 5 Credits <u>Fine Arts</u> - 4 or 5 Credits in one or two categories in sequence <u>World Language</u> - 4 Credits in one language OR 2 Credits in one and 2 in another.	4 or more Credits with at least 2 courses in the same pathway and one advanced course (Junior year or later)	4 or more Credits with at least 2 courses in the same pathway and one advanced course (Junior year or later)	All STEM must have Alg 2, Chem, Phys <u>STEM Math</u> – Alg1, Geom, Alg 2, and 2-advanced math. <u>STEM Science</u> – Bio, Chem, Phys and 2 advanced sciences <u>STEM Eng& Tech</u> -3 Credits in coherent sequence.	+4 Credits in AP or Dual OR +4 Advanced Courses (Junior & above) in Endorsement Areas for 4 or more credits OR +4 Credits in each foundation subject area – must include English IV, Chem and/or Phys & KISD graduation requirements
Distinguished	<ul style="list-style-type: none"> • A total of four credits in math, including credit in Algebra II • A total of four credits in science • Completion of curriculum requirements for at least one endorsement 				
Performance Acknowledgements	For outstanding performance <ul style="list-style-type: none"> • In a dual credit course • In bilingualism and bi-literacy • On an AP test or IB exam • On the PSAT, the ACT-Plan, the SAT, or the ACT • For earning a nationally or internationally recognized business or industry certification or license 				

Graduation Planning Grid

Use the grid to map out your courses for high school. It can be used in conjunction with your four-year plan.

9 th Grade	
Fall	Spring
English 1A	English 1B
Math:	Math:
Biology A	Biology B
World Geography A	World Geography B
4 credits	4 credits

10 th Grade	11 th Grade	12 th Grade
English 2	English 3	Advanced English:
Math:	Math:	Advanced Math:
Physical Science:	Advanced Science:	Advanced Science:
World History	US History	Government/Economics
8 credits	8 credits	8 credits

TOTAL CREDITS REQUIRED = 26

Keller ISD Side by Side Graduation Plans

Subject Area	Foundation	Endorsement	Distinguished	Minimum	Recommended	Distinguished
	9th grade Enter 2014-2015			9th Prior to 2014-2015		
<i>English</i>	English I English II English III Advanced English	English I English II English III Advanced English	English I English II English III Advanced English	English I English II English III SBOE approved English	English I English II English III English IV	English I English II English III English IV
<i>Math</i>	Algebra I Geometry Advanced Math	Algebra I Geometry Algebra II Advanced Math	Algebra I Geometry Algebra II Advanced Math	Algebra I Geometry SBOE approved Math	Algebra I Geometry Algebra II SBOE approved Math	Algebra I Geometry Algebra II SBOE approved Math
<i>Science</i>	Biology Physical Science Advanced Science	Biology Physical Science Advanced Science Advanced Science	Biology Physical Science Advanced Science Advanced Science	Biology IPC, Physics, or Chemistry	Biology Chemistry Physics SBOE approved Science	Biology Chemistry Physics SBOE approved Science
<i>Social Studies</i>	World Geography World History US History Government/ Economics	World Geography World History US History Government/ Economics	World Geography World History US History Government/ Economics	World Geography World History US History Government/ Economics	World Geography World History US History Government/ Economics	World Geography World History US History Government/ Economics
<i>World Languages</i>	2 credits of the same world language	2 credits of the same world language	2 credits of the same world language	None	2 credits of the same world language	2 credits of the same world language
<i>Physical Education</i>	1 credit of PE, athletics, Substitutions, AOE	1 credit of PE, athletics, Substitutions, AOE	1 credit of PE, athletics, Substitutions, AOE	1 credit of PE, athletics, Substitutions, AOE	1 credit of PE, athletics, Substitutions, AOE	1 credit of PE, athletics, Substitutions, AOE
<i>Fine Art</i>	1 credit of Art, Choir, Band, Theatre, Dance, OR Piano	1 credit of Art, Choir, Band, Theatre, Dance, OR Piano	1 credit of Art, Choir, Band, Theatre, Dance, OR Piano	1 credit of Art, Choir, Band, Theatre, Dance, OR Piano	1 credit of Art, Choir, Band, Theatre, Dance, OR Piano	1 credit of Art, Choir, Band, Theatre, Dance, OR Piano
<i>21st Century Skills</i>	.5 credit of Professional Communications OR Entrepreneurship OR Problems and Solutions	.5 credit of Professional Communications OR Entrepreneurship OR Problems and Solutions	.5 credit of Professional Communications OR Entrepreneurship OR Problems and Solutions	.5 credit of Professional Communications OR Communication Applications	.5 credit of Professional Communications OR Communication Applications	.5 credit of Professional Communications OR Communication Applications
<i>Electives</i>	3.5	5.5	5.5	6.5	5.5	4.5
<i>Total Credits</i>	22	26	26	22	26	26



Portrait of a Graduate

A Keller Independent School District graduate will be expected to:

Demonstrate success in college or further study and for employment in a global society

- Initiate independent learning
- Understand world issues and current events
- Understand and use effective learning techniques to acquire and apply knowledge

Demonstrate social awareness

- Develop and maintain positive relationships
- Know and appreciate cultural and linguistic diversity
- Exhibit an appreciation of the arts and humanities
- Commitment to service

Exhibit strong personal qualities

- Identify personal goals
- Demonstrate value of self
- Understand and engage in activities that promote intellectual, physical, and emotional balance
- Demonstrate integrity and take personal responsibility

Communicate effectively

- Express ideas and information confidently and effectively in a variety of modes of communication
- Work in collaboration with others

Use technology as a tool

- Select appropriate tools and procedures
- Use technology to access, analyze, organize, and process information

Exhibit creative thinking, critical thinking, and problem solving

- Explore ideas and issues for understanding
- Draw well-reasoned conclusions and solutions
- Analyze and evaluate thinking with a view to improve it

English Language Arts

Course Name	Credits	Grade Levels	Recommended Prerequisites
English I	1	9	None
English I Pre-AP	1	9	None
English II	1	10	English I
English II Pre-AP	1	10	English I
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
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
Creative/Imaginative Writing	1	10-12	English II
Advanced Creative Writing	1	11-12	Creative Writing
Humanities 1	1	11-12	English II
Humanities 2	1	11-12	Humanities 1
Public Speaking III	1	11-12	Public Speaking II
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			
Journalism	.5	9-12	None
Photojournalism	.5	9-12	None
Public Speaking I,II	1	10-12	Public Speaking I
Debate I,II	1	10-12	Debate I
Advanced Broadcast Journalism I,II	1	10-12	Journalism/Photojournalism
Advanced Journalism: Newspaper I,II	1	10-12	Journalism/Photojournalism
Advanced Journalism: Yearbook I,II	1	10-12	Journalism/Photojournalism
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

Recommended English Sequence

Students who entered 9th 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 English III Dual	Advanced English Course <i>*See Appendix B</i>

E N G L I S H I

GRADE: 9	<input checked="" type="checkbox"/>	CREDIT: 1
PEIMS: 03220100		KISD: 1003
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.

E N G L I S H I P R E - A P

GRADE: 9	<input checked="" type="checkbox"/>	CREDIT: 1
PEIMS: 03220100		KISD: 1023
RECOMMENDED PREREQUISITE: None		
		WEIGHTED: 10 pts.

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.

E N G L I S H II

GRADE: 10	<input checked="" type="checkbox"/>	CREDIT: 1
PEIMS: 03220200		KISD: 1033
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.

E N G L I S H II / P R E - A P

GRADE: 10	<input checked="" type="checkbox"/>	CREDIT: 1
PEIMS: 03220200		KISD: 1053
RECOMMENDED PREREQUISITE: English I		
		WEIGHTED: 10 pts.

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.

E N G L I S H III

GRADE: 11	<input checked="" type="checkbox"/>	CREDIT: 1
PEIMS: 03220300		KISD: 1063
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.

ENGLISH III - AP

GRADE: 11 CREDIT: 1

PEIMS: A3220100 KISD: 1083
RECOMMENDED
PREREQUISITE: WEIGHTED: 10 pts.
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.**

DUAL ENGLISH III TCC Comp 1301/1302

GRADE: 11 CREDIT: 1

PEIMS: 03220300 KISD: 1065
PREREQUISITE: REQUIRED 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

GRADE: 12 CREDIT: 1

PEIMS: 03220400 KISD: 1093

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.

ENGLISH IV - AP

GRADE: 12 CREDIT: 1

PEIMS: A3220200 KISD: 1113
RECOMMENDED
PREREQUISITE: WEIGHTED: 10 pts.
English II

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.**

DUAL ENGLISH IV - TCC

Brit Lit. I/II (2322, 2323)

GRADE: 12 CREDIT: 1

PEIMS: 03220400 KISD: 1103
PREREQUISITE: REQUIRED 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

GRADE: 9-12 CREDIT: 1

PEIMS: 03220100 I KISD: 1125

PEIMS: 03220200 II KISD: 1126

PEIMS: 03220300 III KISD: 1127

PEIMS: 03220400 IV KISD: 1128

PREREQUISITE: REQUIRED Placement test
and/or LPAC recommendation

Enrollment is limited to non-native speakers of English in 9-12th 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.

HUMANITIES 1 - 2

GRADE: 11-12 CREDIT: 1

PEIMS: 03221600 KISD: 1215

PEIMS: 03221610 KISD: 1216

RECOMMENDED PREREQUISITE: English II

Humanities is an interdisciplinary course in which students recognize writing as an art form. Students read widely to understand how various authors craft compositions for various aesthetic purposes. This course includes the study of major historical and cultural movements and their relationship to literature and the other fine arts.

Humanities is a rigorous course of study in which high school students respond to aesthetic elements in texts and other art forms through outlets such as discussions, journals, oral interpretations, and dramatizations. Students read widely to understand the commonalities that literature shares with the fine arts. In addition, students use written composition to show an in-depth understanding of creative achievements in the arts and literature and how these various art forms are a reflection of history. All students are expected to participate in classroom discussions and presentations that lead to an understanding, appreciation, and enjoyment of critical, creative achievements throughout history. Understanding is demonstrated through a variety of media.

JOURNALISM

GRADE: 9-12 CREDIT: .5

PEIMS: 03230100 KISD: 1303

RECOMMENDED PREREQUISITE: None

Students enrolled in Journalism write in a variety of forms for a variety of audiences and purposes. High school students enrolled in this course are expected to plan, draft, and complete written compositions on a regular basis, carefully examining their papers for clarity, engaging language, and the correct use of the conventions and mechanics of written English. In Journalism, students are expected to write in a variety of forms and for a variety of audiences and purposes. Students will become analytical consumers of media and technology to enhance their communication skills. Published work 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 Journalism will learn journalistic traditions, research self-selected topics, write journalistic texts, and learn the principles of publishing.

PHOTOJOURNALISM

GRADE: 9-12 CREDIT: .5

PEIMS: 03230800 KISD: 1371

RECOMMENDED PREREQUISITE: None

This semester course provides basic introduction in camera techniques, darkroom techniques, and photocomposition. Students with high achievement may be selected for publication staffs.

INDEPENDENT STUDY IN JOURNALISM

GRADE: 9-12 CREDIT: .5

PEIMS 03231000 KISD: 1363

RECOMMENDED PREREQUISITE: None

Students enrolled in Independent Study in Journalism write in a variety of forms for a variety of audiences and purposes. High school students enrolled in this course are expected to plan, draft, and complete written 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. Students will become analytical consumers of media and technology to enhance their communication skills. Published work 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 Independent Study in Journalism will refine and enhance their journalistic skills, research self-selected topics, plan, organize, and prepare a project(s).

**ADVANCED
JOURNALISM -
NEWSPAPER
I - III**

GRADE: 10-12			CREDIT: 1
PEIMS: 03230140	I	KISD: 13331	
PEIMS: 03230150	II	KISD: 13332	
PEIMS: 03230160	III	KISD: 13333	
RECOMMENDED PREREQUISITE: Journalism/Photojournalism			

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**

GRADE: 10-12			CREDIT: 1
PEIMS: 03230110	I	KISD: 13531	
PEIMS: 03230120	II	KISD: 13532	
PEIMS: 03230130	III	KISD: 13533	
RECOMMENDED PREREQUISITE: Journalism/Photojournalism			

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**

GRADE: 10-12			CREDIT: 1
PEIMS: 03231900			KISD: 1313
PEIMS: 03231901			KISD: 13231
PEIMS: 03231902			KISD: 13232
RECOMMENDED PREREQUISITE: Journalism/Photojournalism			

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

GRADE: 9-12			CREDIT: 1
PEIMS: 03240600			KISD: 1403
PEIMS: 03240700			KISD: 1413
PEIMS: 03240800			KISD: 1423
RECOMMENDED PREREQUISITE: Debate 1			

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.

O R A L I N T E R P R E T A T I O N I	
GRADE: 9-12	CREDIT: 1
PEIMS: 03240200	KISD: 1462
RECOMMENDED PREREQUISITE: Debate II	

Literature and its presentation are integral to understanding the cultural aspects of a society. Students in Oral Interpretation I, II, and III 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.

P U B L I C S P E A K I N G I, II, III	
GRADE: 10-12	CREDIT: 1
PEIMS: 03240900	KISD: 1433
PEIMS: 03241000	KISD: 1443
PEIMS: 03241100	KISD: 1453
RECOMMENDED PREREQUISITE: Professional Communications	

In order to have full participation in the civic process, students must have a good understanding of public dialogue. Students must learn the concepts and skills related to preparing and presenting public messages and to analyzing and evaluating the messages of others. Within this process, students will gain skills in reading, writing, speaking, listening, and thinking and will examine areas such as invention, organization, style, memory, and delivery.

C R E A T I V E W R I T I N G	
GRADE: 10-12	CREDIT: 1
PEIMS: 03221200	KISD: 1163
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.

A D V A N C E D C R E A T I V E W R I T I N G	
GRADE: 11-12	CREDIT: 1
PEIMS: 03221500	KISD: 1164
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.

I N D E P E N D E N T E N G L I S H I - I I I	
GRADE: 9-11	CREDIT: 1
PEIMS: 03221800	I KISD: 1133
PEIMS: 03221810	II KISD: 1134
PEIMS: 03221820	III KISD: 1135
PREREQUISITE: REQUIRED 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.

P R A C T I C A L W R I T I N G S K I L L S	
GRADE: 12	CREDIT: 1
PEIMS: 03221300	KISD: 861
PREREQUISITE: REQUIRED 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.

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 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.

Additional indicators: Students need to have met satisfactory performance in English as demonstrated by elements of EOC success.

Mathematics

Course Name	Credits	Grade Levels	Prerequisites
Algebra I	1	9	Grade 8 Mathematics
Algebra I Pre-AP	1	9	Grade 8 Mathematics
Geometry	1	9-12	Algebra I
Geometry Pre-AP	1	9-12	Algebra I
Algebra II	1	10-12	Algebra I
Algebra II Pre-AP	1	10-12	Algebra I
Advanced Math Courses			
Math Models with Applications	1	10-12	Algebra I
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	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
AP Statistics	1	11-12	<i>Recommended</i> Algebra II and Geometry
Statistics and Risk Management	1	11-12	<i>Recommended</i> Accounting I and Algebra II

Recommended Math Sequences

<i>Math Sequence</i>	9 th Grade	10 th Grade	11 th Grade	12 th Grade
4 Credits	Algebra I or Algebra I Pre-AP	Geometry or Geometry Pre-AP	Math Models or Algebra II or Algebra II Pre-AP	Algebra 2 or Advanced Math <i>*See Appendix B</i>

For Students who take Algebra I in 8th grade

8 th Grade	9 th Grade	10 th Grade	11 th Grade	12 th Grade
Algebra I Pre-AP	Geometry Pre-AP	Algebra II or Algebra II Pre-AP	Advanced Math <i>*See Appendix B</i>	Advanced Math <i>*See Appendix B</i>

A L G E B R A I

GRADE: 9 CREDIT: 1

PEIMS: 03100500 KISD: 2003

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.

A L G E B R A I P R E - A P

GRADE: 9 CREDIT: 1

PEIMS: 03100500 KISD: 2013

PREREQUISITE: WEIGHTED: 10 pts.

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 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.

G E O M E T R Y

GRADE: 9-12 CREDIT: 1

PEIMS: 03100700 KISD: 2213

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.

G E O M E T R Y / P R E - A P

GRADE: 9-12 CREDIT: 1

PEIMS: 03100700 KISD: 2223

PREREQUISITE: WEIGHTED: 10 pts.

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

GRADE: 10-12 CREDIT: 1

PEIMS: 03102400 KISD: 2123

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

GRADE: 10-12 CREDIT: 1

PEIMS: 03100600 KISD: 2043

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

GRADE: 10-12 CREDIT: 1

PEIMS: 03100600 KISD: 2033

PREREQUISITE: Algebra I
WEIGHTED: 10 pts.

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.

PRE - CALCULUS

GRADE: 10-12 CREDIT: 1

PEIMS: 03101100 KISD: 2303

PREREQUISITE: Algebra I,II, and Geometry

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**

GRADE: 10-12 CREDIT: 1

PEIMS: 03101100 KISD: 2313

PREREQUISITE: Algebra I,II, and Geometry
WEIGHTED: 10 pts.

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 ON RAMPS
(MATH 2312)**

GRADE: 10-12 CREDIT: 1

PEIMS: 03101100 KISD: 2314

PREREQUISITE: Algebra I,II, and Geometry

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**

GRADE: 10-12 CREDIT: 1

PEIMS: 03102510 KISD: 2423

PREREQUISITE: 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

GRADE: 11-12 CREDIT: 1

PEIMS: 03102500 KISD: 2322

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

GRADE: 12 CREDIT: 1

PEIMS: A3100101 KISD: 2333

RECOMMENDED PREREQUISITE:
Pre-Calculus WEIGHTED: 10 pts.

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

GRADE: 12 CREDIT: 1

PEIMS: A3100102 KISD: 2343

RECOMMENDED PREREQUISITE:
Pre-Calculus WEIGHTED: 10 pts.

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 STATISTICS

GRADE: 10-12 CREDIT: 1

PEIMS: A3100200 KISD: 2403

RECOMMENDED PREREQUISITE:
Algebra II and Geometry WEIGHTED: 10 pts.

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.**

STATISTICS AND RISK MANAGEMENT

GRADE: 11-12 CREDIT: 1

PEIMS: 13016900 KISD: 8333

RECOMMENDED PREREQUISITE: Accounting
I and 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.

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 1 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 did not meet satisfactory performance (score < 30) in math as measured by TSI and not met satisfactory performance on multiple administrations of the Algebra 1 EOC Assessment.

Additional indicators: Students need to have met satisfactory performance in math as demonstrated by elements of EOC success.

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 1
Chemistry Pre-AP	1	10-12	Required One science and Algebra 1
AP Chemistry	1	11-12	Chemistry
Physics	1	9-12	Algebra I
AP Physics 1	1	10-12	Geometry
AP Physics 2	1	11-12	Physics and concurrently Pre-Calculus
AP Physics C	1	11-12	Physics and concurrently Pre-Calculus
Principles of Technology I	1	10-12	Required One credit in science and Algebra I
Advanced Science Courses			
Advanced Animal Science	1	11-12	Biology and advanced science
Anatomy and Physiology of Human Systems	1	10-12	Three credits of science
Aquatic Science	1	10-12	Chemistry or concurrent enrollment Required Biology
Astronomy	1	11-12	One credit in science
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)
Engineering Design and Problem Solving	1	11-12	Required Geometry, Algebra II, Chemistry, and Physics
Food Science	1	11-12	Principles of Hospitality and Tourism Required 3 credits of science
Forensic Science	1	11-12	Principles of Law and Law Enforcement I Required Biology, Chemistry
Medical Microbiology/ Pathophysiology	.5 each	11-12	Three credits of science
Scientific Research and Design	1	12	Required One credit of science

Recommended Science Sequence

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

INTEGRATED PHYSICS AND CHEMISTRY

GRADE: 9-10 CREDIT: 1

PEIMS: 03060201 KISD: 3003

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

GRADE: 9-11 CREDIT: 1

PEIMS: 03010200 KISD: 3103

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

GRADE: 9-10 CREDIT: 1

PEIMS: 03010200 KISD: 3113

PREREQUISITE: None WEIGHTED: 10 pts.

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

GRADE: 10-12 CREDIT: 1 –

PEIMS: A3010200 KISD: 3123

RECOMMENDED PREREQUISITE:
Biology, Chemistry WEIGHTED: 10 pts.

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

GRADE: 10-12 CREDIT: 1

PEIMS: 03040000 KISD: 3303

REQUIRED 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

GRADE: 10-12 CREDIT: 1

PEIMS: 03040000 KISD: 3313

REQUIRED PREREQUISITE One science and Algebra I: WEIGHTED: 10 pts.

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. Students should expect a challenging Pre-AP curriculum with the expectation of moving on to AP Chemistry and taking the AP test.

AP CHEMISTRY

GRADE: 11-12 CREDIT: 1 –

PEIMS: A3040000 KISD: 3333

RECOMMENDED PREREQUISITE Chemistry, Algebra II WEIGHTED: 10 pts.

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

GRADE: 9-12 CREDIT: 1

PEIMS: 03050000 KISD: 3403

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.

AP PHYSICS 1

GRADE: 10-12 CREDIT: 1

PEIMS: A3050003 KISD: 3443

RECOMMENDED PREREQUISITE Geometry: WEIGHTED: 10 pts.

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.**

AP PHYSICS 2

GRADE: 11-12 CREDIT: 1

PEIMS A3050004 KISD: 3453

RECOMMENDED PREREQUISITE Physics, Algebra I, Algebra II, Geometry, Calculus WEIGHTED: 10 pts.

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

GRADE: 11-12 CREDIT: 1

PEIMS: A3050002 KISD: 3433

RECOMMENDED PREREQUISITE Physics, Algebra I, Algebra II, Geometry, Calculus WEIGHTED: 10 pts.

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 mechanics and electromagnetism. 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

GRADE: 10-12 CREDIT: 1

PEIMS: 13037100 KISD: 3553

REQUIRED PREREQUISITE: One credit of high school science 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).

ADVANCED ANIMAL SCIENCE

GRADE: 11-12 CREDIT: 1

PEIMS: 13000700 KISD: 8151

RECOMMENDED PREREQUISITE: one credit of an agriculture class

Advanced Animal Science. 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.

ANATOMY AND PHYSIOLOGY OF HUMAN SYSTEMS

GRADE: 11-12 CREDIT: 1

PEIMS: 13020600 KISD: 3203

RECOMMENDED PREREQUISITE: three credits of science.

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).

AQUATIC SCIENCE

GRADE: 10-12 CREDIT: 1

PEIMS: 03030000 KISD: 3513

RECOMMENDED PREREQUISITE: concurrent enrollment in Chemistry
REQUIRED Biology

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

GRADE: 11-12 CREDIT: 1

PEIMS: 03060100 KISD: 3503

RECOMMENDED PREREQUISITE: One credit in science

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

GRADE: 11-12 CREDIT: 1

PEIMS: 03060200 KISD: 3573

REQUIRED 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.

ENGINEERING DESIGN AND PROBLEM SOLVING

GRADE: 11-12 CREDIT: 1

PEIMS: 13037300 KISD: 8758

REQUIRED PREREQUISITE: Geometry,
Algebra II, Chemistry, and Physics

Engineering design is the creative process of solving problems by identifying needs and then devising solutions. This solution may be a product, technique, structure, process, or many other things depending on the problem. Science aims to understand the natural world, while engineering seeks to shape this world to meet human needs and wants. Engineering design takes into consideration limiting factors or "design under constraint." Various engineering disciplines address a broad spectrum of design problems using specific concepts from the sciences and mathematics to derive a solution. The design process and problem solving are inherent to all engineering disciplines.

AP ENVIRONMENTAL SCIENCE

GRADE: 11-12 CREDIT: 1 -

PEIMS: A3020000 KISD: 3543

RECOMMENDED PREREQUISITE: Biology,
physical science, Algebra I. WEIGHTED: 10 pts.

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

GRADE: 10-12 CREDIT: 1

PEIMS: 03020000 KISD: 3533

RECOMMENDED PREREQUISITE: Biology and
one credit of 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.

FOOD SCIENCE

GRADE: 11-12 CREDIT: 1

PEIMS: 13023000 KISD: 8048

RECOMMENDED PREREQUISITE: Principles of
Hospitality and Tourism
REQUIRED: 3 credits of science

In Food Science students conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Food Science is the study of the nature of foods, the causes of deterioration, the principles underlying food processing, and the improvement of foods for the consuming public.

FORENSIC SCIENCE

GRADE: 11-12 CREDIT: 1

PEIMS: 13029500 KISD: 8833

RECOMMENDED PREREQUISITE: Principles
of Law and Law Enforcement I
REQUIRED: Biology, 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

GRADE: 11-12 CREDIT: .5

PEIMS: 13020700 KISD: 8295

RECOMMENDED PREREQUISITE: three credits
of science.

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).

P A T H O P H Y S I O L O G Y

GRADE: 11-12 CREDIT: .5

PEIMS: 13020800 KISD: 8296

RECOMMENDED PREREQUISITE: three credits of science.

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).

**S C I E N T I F I C
R E S E A R C H A N D
D E S I G N**

GRADE: 11-12 CREDIT: 1

PEIMS: 13037200 KISD: 3563

REQUIRED PREREQUISITE: One credit of high school science.

Science, as defined by the National Academy of Sciences, is the "use of evidence to construct testable explanations and predictions of natural phenomena, as well as the knowledge generated through this process." Physical, mathematical, and conceptual models describe this vast body of changing and increasing knowledge. Scientific inquiry is the planned and deliberate investigation of the natural world. Scientific methods of investigation are experimental, descriptive, or comparative. The method chosen should be appropriate to the question being asked. Scientific decision-making is a way of answering questions about the natural world. Students should be able to distinguish between scientific decision-making methods (scientific methods) and ethical and social decisions that involve science (the application of scientific information). 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).

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
World History	1	10	None
AP World History	1	10	None
United States History	1	11	None
AP United States History	1	11	None
Dual United States History - TCC US History 1301/1302	1	11	Required TCC Admission Standards
United States Government	.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
AP Economics (Macroeconomics)	.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 European History	1	11-12	None
Psychology	.5	11-12	None
AP Psychology	1	11-12	None
Sociology	.5	11-12	None
Personal Financial Literacy	.5	10-12	None

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

WORLD GEOGRAPHY

GRADE: 9 CREDIT: 1

PEIMS: 03320100 KISD: 4203

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**

GRADE: 9 CREDIT: 1

PEIMS: 03320100 KISD: 4223

PREREQUISITE: WEIGHTED: 10 pts.
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**

GRADE: 9-12 CREDIT: 1

PEIMS: A3360100 KISD: 4501

PREREQUISITE: WEIGHTED: 10 pts.
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

GRADE: 10 CREDIT: 1

PEIMS: 03340400 KISD: 4103

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

GRADE: 10 CREDIT: 1

PEIMS: A3370100 KISD: 4123

PREREQUISITE: WEIGHTED: 10 pts.
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**

GRADE: 11 CREDIT: 1

PEIMS: 03340100 KISD: 4003

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.

**AP UNITED STATES
HISTORY**

GRADE: 11 CREDIT: 1

PEIMS: A3340100 KISD: 4023

PREREQUISITE: WEIGHTED: 10 pts.
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.**

**DUAL
UNITED STATES
HISTORY - TCC
(U S H I S T O R Y 1 3 0 1 / 1 3 0 2)**

GRADE: 11 CREDIT: 1

PEIMS: 03330100 KISD: 4004

PREREQUISITE: REQUIRED 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**

GRADE: 12 CREDIT: .5

PEIMS: 03330100 KISD: 4301

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.

**AP UNITED STATES
GOVERNMENT AND
POLITICS**

GRADE: 12 CREDIT: .5

PEIMS: A3330100 KISD: 4311

PREREQUISITE: WEIGHTED: 10 pts.
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.**

DUAL
UNITED STATES
GOVERNMENT
TCC (GOVT 2305)

GRADE: 12 CREDIT: 1

PEIMS: 03330100 KISD: 4304

PREREQUISITE: REQUIRED 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

GRADE: 12 CREDIT: .5

PEIMS: 03310300 KISD: 4302

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.

AP
MACROECONOMICS

GRADE: 12 CREDIT: .5

PEIMS: A3310200 KISD: 4322

PREREQUISITE: WEIGHTED: 10 pts.
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.**

DUAL PRINCIPLES
OF
MACROECONOMICS
TCC (ECON 2301)

GRADE: 12 CREDIT: 1

PEIMS: 03310300 KISD: 4322

PREREQUISITE: REQUIRED 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

GRADE: 12 CREDIT: .5

PEIMS: A3310100 KISD: 4312

PREREQUISITE: WEIGHTED: 10 pts.
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.**

AP COMPARATIVE GOVERNMENT AND POLITICS

GRADE: 12 CREDIT: .5

PEIMS: A3330200 KISD: 4321

PREREQUISITE: None WEIGHTED: 10 pts.

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

GRADE: 11-12 CREDIT: 1

PEIMS: A3340200 KISD: 4503

PREREQUISITE: None WEIGHTED: 10 pts.

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

GRADE: 11-12 CREDIT: .5

PEIMS: 03350100 KISD: 4402

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

GRADE: 11-12 CREDIT: 1

PEIMS: A3350100 KISD: 4404

PREREQUISITE: None WEIGHTED: 10 pts.

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

GRADE: 11-12 CREDIT: .5

PEIMS: 03370100 KISD: 4401

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.

PERSONAL FINANCIAL LITERACY

GRADE: 10-12 CREDIT: .5

PEIMS: KISD:

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.

Physical Education

Course Name	Credits	Grade Levels	Recommended Prerequisites
Adventures in Outdoor Education	1	9-12	None
Aerobic Activities	1	10-12	Dance 1
Foundations of Personal Fitness	.5-1	9-12	None
Individual and Team Sports	.5-1	9-12	None
Partner 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.			
<i>*Must receive district approval</i>			
Physical Education Substitutions			
Course Name	Credits	Grade Levels	Awarded
Band	1	9-12	Fall Semester Only
Cheerleading	1	9-12	Fall and Spring
Colorguard	1	9-12	Fall and Spring
Drill Team	1	9-12	Fall and Spring
ROTC I	1	9-12	Fall and Spring
Technical Theatre 2	1	10-12	Fall and Spring
Vocal Ensemble I	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

CREDIT: .5
per semester for
a maximum of
1 credit

GRADE: 9-12

PREREQUISITE: Approval by the coach of that particular 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.

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.

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.

CHEERLEADING

LOCAL
CREDIT: 1

GRADE: 9-12

PEIMS: PES00013

KISD: 50201

PREREQUISITE: Selection by tryouts and judging

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

GRADE: 9-12

CREDIT: 1

PEIMS: PES00053

KISD: 50303

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.

AEROBIC ACTIVITIES

GRADE: 10-12

CREDIT: 1

PEIMS: PES00054

KISD: 50302

RECOMMENDED PREREQUISITE: Dance 1

Students in aerobic activities are exposed to a variety of aerobics that promote health-related fitness.

FOUNDATIONS OF PERSONAL FITNESS

GRADE: 9-12

CREDIT: .5-1

PEIMS: PES00052

KISD: 50304

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

GRADE: 9-12

CREDIT: .5-1

PEIMS: PES00055

KISD: 50304

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.

P A R T N E R P E

GRADE: 9-12	CREDIT: 1
PEIMS: PES00055	KISD: 50305
PEIMS: PES00052	KISD: 50306
PEIMS: PES00054	KISD: 50307
PREREQUISITE: Application	

Partner 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 P.E. will enhance the existing academic schedule by offering a class that includes students with disabilities and students 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 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.

21st Century Skills

Course Name	Credits	Grade Levels	Recommended Prerequisites
Entrepreneurship	.5	9-12	None
Problems and Solutions	1	11-12	None
Professional Communications	.5	9-12	None

ENTREPRENEURSHIP

GRADE: 9-12 CREDIT: .5

PEIMS: 13034400 KISD: 8505

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.

PROBLEMS AND SOLUTIONS

GRADE: 11-12 CREDIT: 1

PEIMS: 12701500 KISD: 8205

PREREQUISITE: None

Problems and Solutions is a project-based research course for students who have the ability to research a real-world problem. Students develop a project on a topic related to career interests, use scientific methods of investigation to conduct in-depth research, are matched with a mentor from the business or professional community, compile findings, and present their findings to an audience that includes experts in the field. To attain academic success, students must have opportunities to learn, reinforce, apply, and transfer their knowledge, skills, and technologies in a variety of settings. This course is designed to provide students an opportunity to earn one advanced measure for the Distinguished Achievement Program.

PROFESSIONAL COMMUNICATIONS

GRADE: 9-12 CREDIT: .5

PEIMS: 13009900 KISD: 1465

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.

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 Management and Administration
- Finance
- Marketing
- Transportation, Distribution, Logistics

Public Services

- Education and Training
- Government
- Health Science
- Hospitality and Tourism
- 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

Arts and Humanities Endorsement

Pathway: English

Program of Study	9th	10th	11th	12th	Available AP Exams
Art and Literature	English 1 Regular or Pre-AP	English 2 Regular or Pre-AP	English 3 Regular or AP AND Humanities 1	Humanities 2 AND AP Art History	English 3 AP, English 4AP, AP Art History
Creative Writing	English 1 Regular or Pre-AP	English 2 Regular or Pre-AP	English 3 Regular or AP AND Creative Writing	Advanced Creative Writing AND Advanced Journalism: Literary Magazine	

E N G L I S H I

GRADE: 9 CREDIT: 1

PEIMS: 03220100 KISD: 1003

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.

E N G L I S H I / P R E - A P

GRADE: 9 CREDIT: 1

PEIMS: 03220100 KISD: 1023

RECOMMENDED PREREQUISITE: None
WEIGHTED: 10 pts.

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.

E N G L I S H II

GRADE: 10 CREDIT: 1

PEIMS: 03220200 KISD: 1033

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.

E N G L I S H II / P R E - A P

GRADE: 10 CREDIT: 1

PEIMS: 03220200 KISD: 1053

RECOMMENDED PREREQUISITE: English I
WEIGHTED: 10 pts.

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

GRADE: 11 CREDIT: 1

PEIMS: 03220300 KISD: 1063

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.

ENGLISH III - AP

GRADE: 11 CREDIT: 1

PEIMS: A3220100 KISD: 1083

RECOMMENDED

PREREQUISITE: English II WEIGHTED: 10 pts.

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.**

DUAL ENGLISH III TCC Comp 1301/1302

GRADE: 11 CREDIT: 1

PEIMS: 03220300 KISD: 1065

PREREQUISITE: REQUIRED 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.

CREATIVE WRITING

GRADE: 10-12 CREDIT: 1

PEIMS: 03221200 KISD: 1163

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

GRADE: 11-12 CREDIT: 1

PEIMS: 03221500 KISD: 1164

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.

HUMANITIES 1 - 2

GRADE: 11-12 CREDIT: 1

PEIMS: 03221600 KISD: 1215

PEIMS: 03221610 KISD: 1216

RECOMMENDED PREREQUISITE: English II

Humanities is an interdisciplinary course in which students recognize writing as an art form. Students read widely to understand how various authors craft compositions for various aesthetic purposes. This course includes the study of major historical and cultural movements and their relationship to literature and the other fine arts.

Humanities is a rigorous course of study in which high school students respond to aesthetic elements in texts and other art forms through outlets such as discussions, journals, oral interpretations, and dramatizations.

ADVANCED JOURNALISM: LITERARY MAGAZINE

GRADE: 12 CREDIT: 1

PEIMS: 03230170 KISD: 13631

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.

AP ART HISTORY

GRADE: 10-12 CREDIT: 1

PEIMS: A3500100 KISD: 7543

PREREQUISITE: None WEIGHTED: 10 pts.

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.**

Endorsement: Arts & Humanities

Pathway: Fine Arts

<i>Program of Study</i>	<i>9th</i>	<i>10th</i>	<i>11th</i>	<i>12th</i>	<i>Endorsement Electives</i>
Choir	Choir 1	Choir 2	Choir 3	Choir 4	AP Music Theory, Vocal Ensemble
Band	Band 1	Band 2	Band 3	Band 4	AP Music Theory, Instrumental Ensemble, Percussion, Jazz Band
Dance	Dance 1	Dance 2 OR Aerobic Activities	Dance 3	Dance 4	Drill Team I-IV (tryouts required)
Piano	Piano 1	Piano 2	Piano 3	Piano 4	AP Music Theory
Technical Theatre	Theatre I	Technical Theatre	Technical Theatre II (1) and one additional credit below	Technical Theatre III (1) and one additional credit below	
			Select 2: (.5, .5) <ul style="list-style-type: none"> • Musical Theatre • Stage Combat • Intermediate Acting: Improv/Comedy Select 1: (1) <ul style="list-style-type: none"> • Advanced Acting: Shakespeare • Advanced Acting: American Drama 	Select 2: (.5, .5) <ul style="list-style-type: none"> • Musical Theatre • Stage Combat • Intermediate Acting: Improv/Comedy Select 1: (1) <ul style="list-style-type: none"> • Advanced Acting: Shakespeare • Advanced Acting: American Drama 	
Theatre Production	Theatre I	Theatre Production I Or Theatre II	Theatre Production II (1) Or Theatre III (1) and one additional credit below:	Theatre Production III (1) Or Theatre IV (1) and one additional credit below:	
			Select 2: (.5, .5) <ul style="list-style-type: none"> • Musical Theatre • Stage Combat • Intermediate Acting: Improv/Comedy Select 1: (1) <ul style="list-style-type: none"> • Advanced Acting: Shakespeare • Advanced Acting: American Drama 	Select 2: (.5, .5) <ul style="list-style-type: none"> • Musical Theatre • Stage Combat • Intermediate Acting: Improv/Comedy Select 1: (1) <ul style="list-style-type: none"> • Advanced Acting: Shakespeare • Advanced Acting: American Drama 	

<i>Visual Arts Drawing</i>	Art I	Art II Drawing or II Pre-AP	Art III Drawing Pre-AP	AP Studio Art - Drawing Portfolio	AP Art History, AP 2-D Design Portfolio, AP 3-D Design Portfolio
<i>Visual Arts Electronic Media</i>	Art I	Art II Electronic Media Pre- AP	Art III Electronic Media Pre-AP	AP 3-D Design Portfolio	
<i>Visual Arts Painting</i>	Art I	Art II Painting Pre- AP	Art III Painting Pre-AP	AP 2-D Design Portfolio	
<i>Visual Arts Sculpture</i>	Art I	Art II Sculpture Pre-AP	Art III Sculpture Pre-AP	AP 3 -D Design Portfolio	

CHORAL MUSIC

CHOR I

GRADE: 9-12 CREDIT: 1

PEIMS: 03150900

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 solo/ensemble contest. Concert performances are required.

CHOR II

GRADE: 10-12 CREDIT: 1

PEIMS: 03151000

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 solo/ensemble contest. Concert performances are required.

CHOR III

GRADE: 11-12 CREDIT: 1

PEIMS: 03151100

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 in the solo/ensemble contest. Concert performances are required.

CHOR IV

GRADE: 12 CREDIT: 1

PEIMS: 03151200

PREREQUISITE: Audition

Choir IV is designed for students who have prior experience in choral music. Repertoire includes traditional choral music and musical theatre. 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 solo/ensemble contest. Concert performances are required.

MUSIC I-IV VOCAL ENSEMBLE

GRADE: 9-12 CREDIT: 1

PEIMS: 03152100 I

PEIMS: 03152200 II

PEIMS: 03152300 III

PEIMS: 03152400 IV

RECOMMENDED 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. Students will receive a 1 credit PE substitution for Vocal Ensemble I in the form of a "P" on the transcript.

INSTRUMENTAL MUSIC

PIANO I-IV

GRADE: 9-12 CREDIT: 1

PEIMS: 03152500 I 7163

PEIMS: 03152600 II 7173

PEIMS: 03151900 III 7183

PEIMS: 03152000 IV 7193

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 pianist. Prior piano lessons are not required. Some music ability or experience is preferred.

BAND I

GRADE: 9-12 CREDIT: 1

PEIMS: 03150100

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

GRADE: 10-12 CREDIT: 1

PEIMS: 03150200

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

GRADE: 11-12 CREDIT: 1

PEIMS: 03150300

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

GRADE: 12 CREDIT: 1

PEIMS: 03150400

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.

**COLOR GUARD
I - IV**

GRADE: 9-12			CREDIT: 1
PEIMS: 03150100	I	KISD: 7101	
PEIMS: 03150200	II	KISD: 7102	
PEIMS: 03150300	III	KISD: 7103	
PEIMS: 03150400	IV	KISD: 7104	
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 my 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
INSTRUMENTAL
ENSEMBLE**

GRADE: 9-12			CREDIT: 1
PEIMS: 03151700	I		
PEIMS: 03151800	II		
PEIMS: 03151900	III		
PEIMS: 03152000	IV		
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.**

A P MUSIC THEORY

GRADE: 11-12			CREDIT: 1
PEIMS: A3150200			KISD: 7153
PREREQUISITE: WEIGHTED: 10 pts. 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.**

DANCE

DANCE I

GRADE: 9-12 CREDIT: 1

PEIMS: 03830100 KISD: 5123

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.

AEROBIC ACTIVITIES (DANCE)

GRADE: 10-12 CREDIT: 1

PEIMS: PES00054 KISD: 50302

PREREQUISITE: None

Students in aerobic activities are exposed to a variety of aerobics that promote health-related fitness. This course counts as a physical education credit for graduation

DANCE II

GRADE: 10-12 CREDIT: 1

PEIMS: 03830200 KISD: 5133

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

GRADE: 11-12 CREDIT: 1

PEIMS: 03830300 KISD: 5134

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

GRADE: 11-12 CREDIT: 1

PEIMS: 03830400 KISD: 5135

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.

THEATRE ARTS

THEATRE ARTS I

GRADE: 9-12 CREDIT: 1

PEIMS: 03250100 KISD: 7703

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

GRADE: 9-12 CREDIT: 1

PEIMS: 03250100 KISD: 7704

PREREQUISITE: Application

Partner in Theatre Arts 1 is a success oriented theatre course for students with special needs and peer partners. This course can be taken for a fine arts credit or as an elective. Partner in Theatre Arts 1 will enhance the existing academic schedule by offering a class that includes students with disabilities and students without disabilities working together to encourage theatre skills while developing respect for one another. 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.

THEATRE ARTS II

GRADE: 10-12 CREDIT: 1

PEIMS: 03250200 KISD: 7713

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

GRADE: 10-12 CREDIT: 1

PEIMS: 03250300 KISD: 7723

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

GRADE: 12 CREDIT: 1

PEIMS: 03250400 KISD: 7733

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

GRADE: 9-12 CREDIT: 1

PEIMS: 03250500 KISD: 7743

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

GRADE: 10-12 CREDIT: 1

PEIMS: 03250600 KISD: 7753

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**

GRADE: 11-12 CREDIT: 1

PEIMS: 03251100 KISD: 7763

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**

GRADE: 11-12 CREDIT: 1

PEIMS: 03251200 KISD: 7773

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.

**THEATRE
PRODUCTION
I - IV**

GRADE: 9-12 CREDIT: 1

PEIMS: 03250700 I KISD: 7783

PEIMS: 03250800 II KISD: 7793

PEIMS: 03250900 III KISD: 7803

PEIMS: 03251000 IV KISD: 7813

RECOMMENDED 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.

**ADVANCED ACTING :
AMERICAN DRAMA**

GRADE: 11-12 CREDIT: 1

PEIMS N1170113 KISD: 7932

RECOMMENDED PREREQUISITE: Theatre
Arts I and teacher approval

The course will include the detailed study, analysis, and performance of the works of major twentieth century American playwrights, including Arthur Miller, Tennessee Williams, William Inge, Lillian Hellman, Eugene O'Neill, and Neal Simon.

**ADVANCED ACTING :
SHAKESPEARE**

GRADE: 11-12 CREDIT: .5

PEIMS N1170089 KISD: 7931

RECOMMENDED PREREQUISITE: Theatre
Arts I and teacher approval

Students will read from a selection of Shakespeare's comedies and tragedies and apply analysis and interpretation. The curriculum will include diction work and scene acting with an emphasis on keeping the language alive and the acting natural.

**INTERMEDIATE
ACTING : COMEDY
& IMPROV**

GRADE: 10-12 CREDIT: .5

PEIMS N1170083 KISD: 7911

RECOMMENDED PREREQUISITE: Theatre
Arts I and teacher approval

Students will become familiar with the comedic genre through the ages by studying the art of comedy's masters. They will practice verbal and physical comedy and perform monologues, scenes, and plays by comedic writers. Students will learn how to create scenes through improvisation.

MUSICAL THEATRE

GRADE: 10-12 CREDIT: .5

PEIMS N1170069 KISD: 7901

RECOMMENDED 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.

STAGE COMBAT / THEATRICAL MOVEMENT

GRADE: 10-12 CREDIT: .5

PEIMS N1170118 KISD: 7921

RECOMMENDED PREREQUISITE: Theatre
Arts I and teacher approval

Students acquire the knowledge and skills for movement and apply these skills effectively to stage acting and performing. It is designed to employ stage movement to express thoughts, feelings, and actions, and to analyze and describe the interdependence of all physical elements used on the stage.

VISUAL ARTS

ART I

GRADE: 9-12	CREDIT: 1
PEIMS: 03500100	KISD: 7403
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.

PARTNERS IN ART I

GRADE: 9-12	CREDIT: 1
PEIMS: 03500100	KISD: 7404
PREREQUISITE: Application	

Partners in Art 1 is a success oriented visual arts course for students with special needs and peer partners. This course can be taken for a fine arts credit or as an elective. Partners in Art 1 will enhance the existing academic schedule by offering a class that includes students with disabilities and students without disabilities working together to encourage visual art skills while developing respect for one another. 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.

ART I / PRE - AP

GRADE: 9-11	CREDIT: 1
PEIMS: 03500100	KISD: 7413
PREREQUISITE: None	WEIGHTED: 10 pts.

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

GRADE: 10-12	CREDIT: 1
PEIMS: 03500500	KISD: 7423
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

GRADE: 10-12	CREDIT: 1
PEIMS: 03500500	KISD: 7425
RECOMMENDED PREREQUISITE: Art I	WEIGHTED: 10 pts.

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 ELECTRONIC MEDIA PRE - AP

GRADE: 10-12	CREDIT: 1
PEIMS: 0350330	KISD: 7472
RECOMMENDED PREREQUISITE: Art I	WEIGHTED: 10 pts.

Electronic Media emphasizes the elements and principles of art through traditional art projects completed 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**

GRADE: 10-12 CREDIT: 1

PEIMS: 03500600 KISD: 7427
RECOMMENDED PREREQUISITE: Art 1
WEIGHTED: 10 pts.

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**

GRADE: 10-12 CREDIT: 1

PEIMS: 03501000 KISD: 7463
RECOMMENDED PREREQUISITE: Art 1
WEIGHTED: 10 pts.

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**

GRADE: 11-12 CREDIT: 1

PEIMS: 03501300 KISD: 7496
RECOMMENDED PREREQUISITE: Art II
WEIGHTED: 10 pts.

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
ELECTRONIC MEDIA
PRE - AP**

GRADE: 11-12 CREDIT: 1

PEIMS: 03503400 KISD: 7473
RECOMMENDED PREREQUISITE: Art II
WEIGHTED: 10 pts.

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**

GRADE: 11-12 CREDIT: 1

PEIMS: 03501400 KISD: 7481
RECOMMENDED PREREQUISITE: Art II
WEIGHTED: 10 pts.

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**

GRADE: 11-12 CREDIT: 1

PEIMS: 03501900 KISD: 7490
RECOMMENDED PREREQUISITE: Art II
WEIGHTED: 10 pts.

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

GRADE: 10-12 CREDIT: 1

PEIMS: A3500100 KISD: 7543

PREREQUISITE: WEIGHTED: 10 pts.
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

GRADE: 10-12 CREDIT: 1

PEIMS: A3500300 KISD: 7553

RECOMMENDED PREREQUISITE: Art II
WEIGHTED: 10 pts.

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 2 - D DESIGN PORTFOLIO

GRADE: 10-12 CREDIT: 1

PEIMS: A3500400 KISD: 7523

RECOMMENDED PREREQUISITE: Art II
WEIGHTED: 10 pts.

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 3 - D DESIGN PORTFOLIO

GRADE: 10-12 CREDIT: 1

PEIMS: A3500500 KISD: 7533

RECOMMENDED PREREQUISITE: Art II
WEIGHTED: 10 pts.

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.**

Endorsement: Arts & Humanities

Pathways: Social Studies

<i>Program of Study</i>	<i>9th</i>	<i>10th</i>	<i>11th</i>	<i>12th</i>	<i>Endorsement Electives</i>	<i>Available AP Exams</i>
History	World Geography Regular or Pre-AP	World History Regular or AP	US History Regular, Dual, or AP and AP European History	Government/Economics Regular, Dual, or AP	Professional Communications, Entrepreneurship, Problems and Solutions, AP Human Geography, Comparative Government and Microeconomics	US History, Government, Comparative Government, Macroeconomics, Microeconomics, European History, Human Geography
Social Sciences	World Geography Regular or Pre-AP OR AP Human Geography	World History Regular or AP	US History Regular, Dual, or AP and AP Psychology	Government/Economics Regular, Dual, or AP	Professional Communications, Entrepreneurship, Problems and Solutions, Sociology	

WORLD GEOGRAPHY	
GRADE: 9	<input checked="" type="checkbox"/> CREDIT: 1
PEIMS: 03320100	KISD: 4203
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	
GRADE: 9	<input checked="" type="checkbox"/> CREDIT: 1
PEIMS: 03320100	KISD: 4223
PREREQUISITE: None	WEIGHTED: 10 pts.

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

GRADE: 9-12 CREDIT: 1

PEIMS: A3360100 KISD: 4501

PREREQUISITE: None WEIGHTED: 10 pts.

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

GRADE: 10 CREDIT: 1

PEIMS: 03340400 KISD: 4103

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

GRADE: 10 CREDIT: 1

PEIMS: A3370100 KISD: 4123

PREREQUISITE: None WEIGHTED: 10 pts.

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

GRADE: 11 CREDIT: 1

PEIMS: 03340100 KISD: 4003

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.

AP UNITED STATES HISTORY

GRADE: 11 CREDIT: 1

PEIMS: A3340100 KISD: 4023

PREREQUISITE: None WEIGHTED: 10 pts.

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.**

DUAL UNITED STATES HISTORY - TCC (U S H I S T O R Y 1 3 0 1 / 1 3 0 2)

GRADE: 11 CREDIT: 1

PEIMS: 03330100 KISD: 4004

PREREQUISITE: REQUIRED 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

GRADE: 12 CREDIT: .5

PEIMS: 03330100 KISD: 4301

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.

ECONOMICS AP (MICROECONOMICS)

GRADE: 12 CREDIT: .5

PEIMS: A3310100 KISD: 4312

PREREQUISITE: None
WEIGHTED: 10 pts.

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.**

AP COMPARATIVE GOVERNMENT AND POLITICS

GRADE: 12 CREDIT: .5

PEIMS: A3330200 KISD: 4321

PREREQUISITE: None
WEIGHTED: 10 pts.

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.**

EUROPEAN HISTORY AP

GRADE: 11-12 CREDIT: 1

PEIMS: A3340200 KISD: 4503

PREREQUISITE: None
WEIGHTED: 10 pts.

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

GRADE: 11-12 CREDIT: .5

PEIMS: 03350100 KISD: 4402

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

GRADE: 11-12 CREDIT: 1

PEIMS: A3350100 KISD: 4404

PREREQUISITE: WEIGHTED: 10 pts.
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

GRADE: 11-12 CREDIT: .5

PEIMS: 03370100 KISD: 4401

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.

Endorsement: Arts & Humanities

Pathway: World Languages

<i>Program of Study</i>	<i>9th</i>	<i>10th</i>	<i>11th</i>	<i>12th</i>	<i>Available AP Exams</i>
<i>American Sign Language</i>	American Sign Language I	American Sign Language II	American Sign Language III	American Sign Language IV	
<i>Spanish</i>	Spanish I	Spanish II	Spanish III or III Pre-AP	AP Spanish 4	Spanish Literature, Spanish Language
<i>Spanish for Native Speakers</i>	Spanish for Native Speakers I	Spanish for Native Speakers I	AP Spanish 4	AP Spanish 5	Spanish Literature, Spanish Language
<i>German</i>	German I	German II	German III Pre-AP	AP German IV	German
<i>French</i>	French I	French II	French III Pre-AP	AP French IV	French
<i>Latin</i>	Latin I	Latin II	Latin III Pre-AP	AP Latin IV	Latin

AMERICAN SIGN LANGUAGE I (ASL)		
GRADE: 9-12	<input checked="" type="checkbox"/>	CREDIT: 1
PEIMS: 03980100		KISD: 6403
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		
GRADE: 9-12	<input checked="" type="checkbox"/>	CREDIT: 1
PEIMS: 03980200		KISD: 6413
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		
GRADE: 10-12	<input checked="" type="checkbox"/>	CREDIT: 1
PEIMS: 03980300		KISD: 6423
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		
GRADE: 12	<input checked="" type="checkbox"/>	CREDIT: 1
PEIMS: 03980400		KISD: 6424
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		
GRADE: 9-12	<input checked="" type="checkbox"/>	CREDIT: 1
PEIMS: 03410100		KISD: 6113
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.

FRENCH I PRE - AP		
GRADE: 9-12	<input checked="" type="checkbox"/>	CREDIT: 1
PEIMS: 03410100		KISD: 6103
RECOMMENDED PREREQUISITE: None		
WEIGHTED: 10 pts.		

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		
GRADE: 9-12	<input checked="" type="checkbox"/>	CREDIT: 1
PEIMS: 03410200		KISD: 6123
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

GRADE: 9-12 CREDIT: 1
PEIMS: 03410200 KISD: 6173
RECOMMENDED PREREQUISITE: French I
WEIGHTED: 10 pts.

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

GRADE: 10-12 CREDIT: 1
PEIMS: 03410300 KISD: 6133
RECOMMENDED PREREQUISITE: French II
WEIGHTED: 10 pts.

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.

AP FRENCH IV

GRADE: 11-12 CREDIT: 1
PEIMS: A3410100 KISD: 6143
RECOMMENDED PREREQUISITE: French III
WEIGHTED: 10 pts.

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

GRADE: 9-12 CREDIT: 1
PEIMS: 03420100 KISD: 6213
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.

GERMAN I PRE - AP

GRADE: 9-12 CREDIT: 1
PEIMS: 03420100 KISD: 6203
PREREQUISITE: None WEIGHTED: 10 pts.

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

GRADE: 9-12 CREDIT: 1
PEIMS: 03420200 KISD: 6223
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

GRADE: 9-12 CREDIT: 1
PEIMS: 03420200 KISD: 6273
RECOMMENDED PREREQUISITE: German I
WEIGHTED: 10 pts.

This course includes thematic vocabulary and expanded grammar concepts in a 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		
GRADE: 10-12	<input checked="" type="checkbox"/>	CREDIT: 1
PEIMS: 03420300		KISD: 6233
RECOMMENDED PREREQUISITE: German II		
WEIGHTED: 10 pts.		

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		
GRADE: 11-12	<input checked="" type="checkbox"/>	CREDIT: 1
PEIMS: A3420100		KISD: 6243
RECOMMENDED PREREQUISITE: German III		
WEIGHTED: 10 pts.		

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.**

LATIN I		
GRADE: 9-12	<input checked="" type="checkbox"/>	CREDIT: 1
PEIMS: 03430100		KISD: 6303
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.

LATIN I PRE - AP		
GRADE: 9-12	<input checked="" type="checkbox"/>	CREDIT: 1
PEIMS: 03430100		KISD: 6300
PREREQUISITE: None WEIGHTED: 10 pts.		

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		
GRADE: 9-12	<input checked="" type="checkbox"/>	CREDIT: 1
PEIMS: 03430200		KISD: 6313
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.

LATIN II PRE - AP		
GRADE: 9-12	<input checked="" type="checkbox"/>	CREDIT: 1
PEIMS: 03430200		KISD: 6373
RECOMMENDED PREREQUISITE: Latin I		
WEIGHTED: 10 pts.		

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		
GRADE: 10-12	<input checked="" type="checkbox"/>	CREDIT: 1
PEIMS: 03430300		KISD: 6323
RECOMMENDED PREREQUISITE: Latin II		
WEIGHTED: 10 pts.		

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

GRADE: 11-12 CREDIT: 1

PEIMS: A3430100 KISD: 6333

RECOMMENDED PREREQUISITE: Latin III
WEIGHTED: 10 pts.

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

GRADE: 9-12 CREDIT: 1

PEIMS: 03440100 KISD: 6013

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.

SPANISH I PRE - AP

GRADE: 9-12 CREDIT: 1

PEIMS: 03440100 KISD: 6003

RECOMMENDED PREREQUISITE: None
WEIGHTED: 10 pts.

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 FOR NATIVE SPEAKERS I - III

GRADE: 9-12 CREDIT: 1 per course

PEIMS: 03440110 I KISD: 6073

PEIMS: 03440220 II KISD: 6074

PEIMS: 03440330 III KISD: 6093

RECOMMENDED PREREQUISITE: Native I or II

This course is designed for students who have oral production and comprehension skills as native Spanish speakers. The course emphasis includes Hispanic culture, reading, and writing skills. Class will be conducted entirely in Spanish. Spanish for native speakers will count as the world language requirement for graduation.

SPANISH II

GRADE: 9-12 CREDIT: 1

PEIMS: 03440200 KISD: 6033

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

GRADE: 9-12 CREDIT: 1

PEIMS: 03440200 KISD: 6083

RECOMMENDED PREREQUISITE: Spanish I
WEIGHTED: 10 pts.

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

GRADE: 10-12 CREDIT: 1

PEIMS: 03440300 KISD: 6023

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

GRADE: 10-12 CREDIT: 1

PEIMS: 03440300 KISD: 6043

RECOMMENDED PREREQUISITE: Spanish II
WEIGHTED: 10 pts.

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

GRADE: 11-12 CREDIT: 1

PEIMS: A3440100 KISD: 6053

RECOMMENDED PREREQUISITE: Spanish III
WEIGHTED: 10 pts.

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

GRADE: 11-12 CREDIT: 1

PEIMS: A3440200 KISD: 6063

RECOMMENDED PREREQUISITE: Spanish IV
WEIGHTED: 10 pts.

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.**

Business and Industry Endorsement

Pathway: Agriculture, Food, and Natural Resources

Program of Study Course Sequence	9th Grade	10th Grade	11th Grade	12th Grade	Additional Recommended Electives
Veterinary Studies	Principles of Agriculture, Food and Natural Resources (.5 Credit)	Veterinary Medical Applications (1 Credit) <i>Recommended Prerequisite: Principles of Agriculture, Food and Natural Resources</i>	Advanced Animal Science (1 Credit) and Small Animal Management (1 Credit) <i>Recommended Prerequisite: Veterinary Medical Applications</i>	Practicum in Agriculture, Food and Natural Resources (2 Credits) <i>Recommended Prerequisite: 3 credits in the Agriculture Program of Study</i>	<p>*Anatomy and Physiology (1 Credit)</p> <p>*Mathematical Applications in Agriculture (1 Credit)</p> <p>Business Information Management (1 Credit)</p> <p>Professional Communications (.5 Credit)</p> <p>Entrepreneur-ship (.5 Credit)</p> <p>Principles of Business, Marketing and Finance (.5 Credit)</p> <p>Money Matters (.5 Credit)</p>

Core Course Sequence	Language Arts	Math	Science	Social Studies	Electives
9th	English I	Algebra I	Biology	World Geography	<p>Fine Arts (1 Credit)</p> <p>World Languages (2 Credits)</p> <p>P.E. (1 Credit)</p> <p>21st Century Skills (.5 Credit)</p>
10th	English II	Geometry	IPC, Physics, Chemistry	World History	
11th	English III	Algebra II or MMA	Advanced 3rd Science	U.S. History	
12th	Advanced 4 th English	Algebra II or Advanced 4 th Math	Advanced 4th Science	Government / Economics	
<i>Course sequence is dependent upon prior credits completed in middle school.</i>					

Certifications / Certificate Opportunities Based on Program of Study
OSHA General Certification Cyber Safety Awareness Certified Veterinary Assistant Canine and Care Handling
Career and Technical Student Organization (CTSO)
FFA - Future Farmers of America SkillsUSA 4 H

Additional Course Information
Problems and Solutions (1 Credit) can be taken during the 12th grade year at a student's high school campus if the practicum course of 2 credits does not fit into the schedule. Credits: * Anatomy and Physiology can be used for science credit. Mathematical Applications in Agriculture can be used as math 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.

PRINCIPLES OF AGRICULTURE, FOOD, AND NATURAL RESOURCES	
GRADE: 9-11	CREDIT: .5
PEIMS: 13000200	KISD: 8100
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.

VETERINARY MEDICAL APPLICATIONS	
GRADE: 10-12	CREDIT: 1
PEIMS: 13000600	KISD: 8153
RECOMMENDED PREREQUISITE: Principles of Agriculture	

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.

ADVANCED ANIMAL SCIENCE	
GRADE: 11-12	CREDIT: 1
PEIMS: 13007000	KISD: 8151
RECOMMENDED PREREQUISITE: one credit of agriculture	

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.

SMALL ANIMAL MANAGEMENT	
GRADE: 11-12	CREDIT: 1
PEIMS: 13000400	KISD: 8154
RECOMMENDED PREREQUISITE: one credit of agriculture	

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.

MATHEMATICAL
APPLICATIONS IN
AGRICULTURE,
FOOD, AND
NATURAL
RESOURCES

GRADE: 9-11 CREDIT: 1

PEIMS: 13001000 KISD: 8163
RECOMMENDED PREREQUISITE: one credit of
agriculture

To be prepared for careers in agriculture, food, and natural resources, students must acquire technical knowledge in the discipline as well as apply academic skills in mathematics. Students should apply knowledge and skills related to mathematics, including algebra, geometry, and data analysis in the context of agriculture, food, and natural resources. To prepare for success, students are afforded opportunities to reinforce, apply, and transfer of contexts.

PRACTICUM IN
AGRICULTURE,
FOOD, AND
NATURAL
RESOURCES

GRADE: 10-12 CREDIT: 2

PEIMS: 13045000 KISD: 81932
RECOMMENDED PREREQUISITE: 3 Agriculture
Courses

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. Recommended Recommended Prerequisite: a minimum of one credit from the courses in the Agriculture, Food, and Natural Resources cluster.

Endorsement: Business & Industry

Pathway: Architecture & Construction

Program of Study Course Sequence	9th Grade	10th Grade	11th Grade	12th Grade	Additional Recommended Electives
Architectural Design	Principles of Architecture and Construction (.5 Credit)	Architectural Design (2 Credits) <i>Recommended</i> <i>Prerequisite: Principles of Architecture and Construction</i>	Advanced Architectural Design (2 Credits) <i>Recommended</i> <i>Prerequisite: Architectural Design</i>	Practicum in Architectural Design (2 Credits) <i>Recommended</i> <i>Prerequisite: 3 credits in the Architectural Design Program of Study</i>	Interior Design (1 Credit) Entrepreneurship (.5 Credit) Architectural Design (2 Credits)
Construction Management	Principles of Architecture and Construction (.5 Credit)	Construction Management (2 Credits) <i>Recommended</i> <i>Prerequisite: Principles of Architecture and Construction</i>	Advanced Construction Management (2 Credits) <i>Recommended</i> <i>Prerequisite: Construction Management</i>	Practicum in Construction Management (2 Credits) <i>Recommended</i> <i>Prerequisite: 3 credits in the Architectural Design Program of Study</i>	Money Matters (.5 Credit) Business Information Management (1 Credit) Professional Communications (.5 Credit)
Interior Design	Principles of Architecture and Construction (.5 Credits)	Interior Design (1 Credit) <i>Recommended</i> <i>Prerequisite: Principles of Architecture and Construction</i>	Advanced Interior Design (2 Credits) <i>Recommended</i> <i>Prerequisite: Interior Design</i>	Practicum in Interior Design (2 Credits) <i>Recommended</i> <i>Prerequisite: Interior Design and Advanced Interior Design</i>	Principles of Business, Marketing, and Finance (.5 Credit)

Core Course Sequence	Language Arts	Math	Science	Social Studies	Electives
9th	English I	Algebra I	Biology	World Geography	Fine Arts (1 Credit) World Languages (2 Credits) P.E. (1 Credit) 21st Century Skills (.5 Credit)
10th	English II	Geometry	IPC, Physics, Chemistry	World History	
11th	English III	Algebra II or MMA	Advanced 3rd Science	U.S. History	
12th	Advanced English Course	Algebra II or Advanced 4th Math	Advanced 4th Science	Government / Economics	
<i>Course sequence is dependent upon prior credits completed in middle school.</i>					
Certifications / Certificate Opportunities Based on Program of Study			Additional Course Information		
<ul style="list-style-type: none"> • OSHA General Certification • Cyber Safety Awareness • SkillsUSA Work Force Ready • Adobe ACA • NCCER • AutoCAD • REVIT 			Problems and Solutions (1 Credit) can be taken during the 12th grade year at a student's high school campus if the practicum course of 2 credits does not fit into the schedule. 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.		
Career and Technical Student Organization (CTSO)					
<ul style="list-style-type: none"> • SkillsUSA • BPA - Business Professionals of America 					

**PRINCIPLES OF
ARCHITECTURE AND
CONSTRUCTION**

GRADE: 9-11 CREDIT: .5

PEIMS: 13004200 KISD: 8820

RECOMMENDED PREREQUISITE: None

This course provides an overview to the various fields of architecture, interior design, construction science, and construction technology.

**ARCHITECTURAL
DESIGN**

GRADE: 10-12 CREDIT: 2

PEIMS: 13004400 KISD: 8824

RECOMMENDED PREREQUISITE: Principles of
Architecture and Construction

In Architectural Design, 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.

**ADVANCED
ARCHITECTURAL
DESIGN**

GRADE: 11-12 CREDIT: 2

PEIMS: 13004700 KISD: 8829

RECOMMENDED PREREQUISITE: Architectural
Design

In Advanced Architectural Design, 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.

**CONSTRUCTION
MANAGEMENT**

GRADE: 10-12 CREDIT: 2

PEIMS: 13004900 KISD: 8812

RECOMMENDED PREREQUISITE: Principles of
Architecture and Construction

In Construction Technology, 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.

**ADVANCED
CONSTRUCTION
MANAGEMENT**

GRADE: 11-12 CREDIT: 2

PEIMS: 13004900 KISD: 8811

RECOMMENDED PREREQUISITE: Principles of
Architecture and Construction

In Advanced Construction Management, 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.

INTERIOR DESIGN

GRADE: 10-12 CREDIT: 1

PEIMS: 13004300 KISD: 8822

RECOMMENDED PREREQUISITE: Algebra I,
English I, and Principles of Architecture and
Construction

Interior Design 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.

**ADVANCED
INTERIOR DESIGN**

GRADE: 11-12 CREDIT: 2

PEIMS: 13004400 KISD: 8823

RECOMMENDED PREREQUISITE: Geometry,
English 2, Interior Design

Advanced Interior Design 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.

**PRACTICUM IN
ARCHITECTURAL
DESIGN**

GRADE: 11-12 CREDIT: 2

PEIMS: 13004500 KISD: 88192
RECOMMENDED PREREQUISITE: Completion of
a coherent sequence in a program area related to the
field of Construction Management.

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.

**PRACTICUM IN
CONSTRUCTION
MANAGEMENT**

GRADE: 11-12 CREDIT: 2

PEIMS: 13006200 KISD: 88272
RECOMMENDED PREREQUISITE: Completion of
a coherent sequence in a program area related to the
field of Construction Management.

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.

**PRACTICUM IN
INTERIOR DESIGN**

GRADE: 11-12 CREDIT: 2

PEIMS: 13045000 KISD: 88282
RECOMMENDED PREREQUISITE: Completion of
a coherent sequence in a program area related to the
field of Construction Management.

This is an occupational-specific course designed to provide classroom technical instruction. Job-specific skilled training is provided through the use of laboratory training or training plans by local training sponsors in areas compatible with identified career goals in interior design. In addition, students are expected to develop knowledge and skills described in one of the training specialization options. Instruction may be delivered through laboratory training or through career preparation delivery arrangements.

Endorsement: Business & Industry
Pathway: Arts, A/V & Communications

Program of Study Course Sequence	9th Grade	10th Grade	11th Grade	12th Grade	Additional Recommended Electives
Animation	Principles of Arts, Audio / Video Technology and Communications (.5 Credit)	Animation (1 Credit) <i>Recommended</i> <i>Prerequisite:</i> Principles of Arts, Audio/Video Technology and Communications	Advanced Animation (2 Credits) <i>Recommended</i> <i>Prerequisite:</i> Graphic Design and Illustration	Practicum in Graphic Design and Illustration (2 Credits) <i>Recommended</i> <i>Prerequisite:</i> 3 credits in Arts, Audio / Video Technology and Communications Program of Study	Advertising and Sales Promotion (.5 Credit)
Audio / Video Production	Principles of Arts, Audio / Video Technology and Communications (.5 Credit)	Audio / Video Production or Radio Broadcasting (1 Credit) <i>Recommended</i> <i>Prerequisite:</i> Principles of Arts, Audio/Video Technology and Communications	Advanced Audio / Video Production (2 Credits) <i>Recommended</i> <i>Prerequisite:</i> Audio/Video Production	Practicum in Audio/Video Production (2 Credits) <i>Recommended</i> <i>Prerequisite:</i> 3 credits in Arts, Audio / Video Technology and Communications Program of Study	Entrepreneurship (.5 Credit) Principles of Business Marketing and Finance (.5 Credit)
Commercial Photography	Principles of Arts, Audio / Video Technology and Communications (.5 Credit)	Commercial Photography (1 Credit) <i>Recommended</i> <i>Prerequisite:</i> Principles of Arts, Audio/Video Technology and Communications	Advanced Commercial Photography (2 Credits) <i>Recommended</i> <i>Prerequisite:</i> Commercial Photography	Practicum in Commercial Photography (2 Credits) <i>Recommended</i> <i>Prerequisite:</i> 3 credits in Arts, Audio/Video Technology and Communications Program of Study	Business Information Management (1 Credit) Professional Communications (.5 Credit)
Fashion Design	Principles of Arts, Audio / Video Technology and Communications (.5 Credit)	Fashion Design (1 Credit) <i>Recommended</i> <i>Prerequisite:</i> Principles of Arts, Audio/Video Technology and Communications	Advanced Fashion Design (2 Credits) <i>Recommended</i> <i>Prerequisite:</i> Fashion Design	Practicum in Fashion Design (2 Credits) <i>Recommended</i> <i>Prerequisite:</i> 3 credits in Arts, Audio / Video Production and Communications Program of Study	Fashion Marketing (.5 Credit) Banking and Financial Services (.5 Credit)
Graphic Design and Illustration	Principles of Arts, Audio / Video Technology and Communications (.5 Credit)	Graphic Design and Illustration (1 Credit) <i>Recommended</i> <i>Prerequisite:</i> Principles of Arts, Audio/Video Technology and Communications	Advanced Graphic Design and Illustration (2 Credits) <i>Recommended</i> <i>Prerequisite:</i> Graphic Design and Illustration	Practicum in Graphic Design and Illustration (2 Credits) <i>Recommended</i> <i>Prerequisite:</i> 3 credits in Arts, Audio / Video Technology and Communications Program of Study	Art 2 Electronic Media (1 Credit) Social Media Marketing (.5 Credit)

Core Course Sequence	Language Arts	Math	Science	Social Studies	Electives
9th	English I	Algebra I	Biology	World Geography	Fine Arts (1 Credit) World Languages (2 Credits) P.E. (1 Credit) 21st Century Skills (.5 Credit)
10th	English II	Geometry	IPC, Physics, Chemistry	World History	
11th	English III	Algebra II or MMA	Advanced 3rd Science	U.S. History	
12th	Advanced English Course	Algebra II or Advanced 4th Math	Advanced 4th Science	Government / Economics	
<i>Course sequence is dependent upon prior credits completed in middle school.</i>					

Certifications / Certificate Opportunities Based on Program of Study
<ul style="list-style-type: none"> • OSHA General Certification • Cyber Safety Awareness • SkillsUSA Work Force Ready • Adobe ACA • Maya • SBE Television Operator • ProTools
Career and Technical Student Organization (CTSO)
<ul style="list-style-type: none"> • SkillsUSA • BPA - Business Professionals of America

Additional Course Information
<p>Problems and Solutions (1 Credit) can be taken during the 12th grade year at a student's high school campus if the practicum course of 2 credits does not fit into the schedule.</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>

PRINCIPLES OF ARTS, AUDIO/VIDEO TECHNOLOGY, AND COMMUNICATIONS	
GRADE: 9-11	CREDIT: .5
PEIMS: 13008200	KISD: 8700
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.

ANIMATION	
GRADE: 9-12	CREDIT: 1
PEIMS: 13008300	KISD: 8706
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

ADVANCED ANIMATION	
GRADE: 10-12	CREDIT: 2
PEIMS: 13008400	KISD: 8707
RECOMMENDED PREREQUISITE: Animation	

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.

AUDIO/VIDEO PRODUCTION	
GRADE: 9-12	CREDIT: 1
PEIMS: 13008500	KISD: 8701
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.

RADIO BROADCASTING	
GRADE: 9-12	CREDIT: 1
PEIMS: N1300991	KISD: 8720
RECOMMENDED PREREQUISITE: Principles of Arts, Audio/Video Technology, and Communications	

Students will learn the theory and history of radio production as well the production processes involved in commercial production, scripting, news writing and reporting, audio editing, remote production, and radio programming. Class is taught at the Keller Center for Advanced Learning.

ADVANCED AUDIO/VIDEO PRODUCTION	
GRADE: 10-12	CREDIT: 2
PEIMS: 13008600	KISD: 8702
RECOMMENDED PREREQUISITE: Audio/Video Production	

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 both audio and video. Class is taught at the Keller Center for Advanced Learning.

**PRACTICUM IN
AUDIO/VIDEO
PRODUCTION**

GRADE: 11-12 CREDIT: 2

PEIMS: 13008700 KISD: 87162
RECOMMENDED PREREQUISITE: Advanced
Audio/Video Production

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 and video, or animation format. Class is taught at the Keller Center for Advanced Learning.

**COMMERCIAL
PHOTOGRAPHY**

GRADE: 9-12 CREDIT: 1

PEIMS: 13009100 KISD: 8712
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. 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 commercial photography industry with a focus on creating quality photographs.

**ADVANCED
COMMERCIAL
PHOTOGRAPHY**

GRADE: 10-12 CREDIT: 2

PEIMS: 13009200 KISD: 8715
RECOMMENDED PREREQUISITE: Commercial
Photography

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. 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 commercial photography industry with a focus on creating quality photographs. Class is taught at the Keller Center for Advanced Learning.

**PRACTICUM IN
COMMERCIAL
PHOTOGRAPHY**

GRADE: 11-12 CREDIT: 2

PEIMS: 13009000 KISD: 87192
RECOMMENDED PREREQUISITE: Advanced
Commercial Photography

Careers in commercial photography 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. Class is taught at the Keller Center for Advanced Learning.

FASHION DESIGN

GRADE: 9-12 CREDIT: 1

PEIMS: 13009300 KISD: 8710
RECOMMENDED PREREQUISITE: Principles of
Arts, Audio/Video Technology, and Communications

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 and the textile and apparel

**ADVANCED FASHION
DESIGN**

GRADE: 10-12 CREDIT: 2

PEIMS: 13009400 KISD: 8711
RECOMMENDED PREREQUISITE: Fashion
Design

Careers in fashion span all aspects of the textile and apparel industries. 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 fashion, with emphasis on design and production industries.

**PRACTICUM IN
FASHION DESIGN**

GRADE: 11-12 CREDIT: 2

PEIMS: 13008700 KISD: 87112
RECOMMENDED PREREQUISITE: Advanced
Fashion Design

Careers in fashion span all aspects of the textile and apparel industries. 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 technical understanding of the business aspects of fashion, with emphasis on promotion and retailing. Instruction may be delivered through lab-based classroom experiences or career preparation opportunities.

**GRAPHIC DESIGN
AND ILLUSTRATION**

GRADE: 9-12 CREDIT: 1

PEIMS: 13008800 KISD: 8708

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 and principles of visual art and design.

**ADVANCED GRAPHIC
DESIGN AND
ILLUSTRATION**

GRADE: 10-12 CREDIT: 2

PEIMS: 13008900 KISD: 8709

RECOMMENDED PREREQUISITE: Graphic
Design and Illustration

Careers in graphic design and illustration span all aspects of the advertising and visual communications industries. 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 mastery of content knowledge and skills. Class is taught at the Keller Center for Advanced Learning.

**PRACTICUM IN
GRAPHIC DESIGN
AND ILLUSTRATION**

GRADE: 11-12 CREDIT: 2

PEIMS: 13009000 KISD: 87182

RECOMMENDED PREREQUISITE: Advanced
Graphic and Illustration

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. Class is taught at the Keller Center for Advanced Learning.

Endorsement: Business & Industry
Pathway: Business Management & Administration

Program of Study Course Sequence	9th Grade	10th Grade	11th Grade	12th Grade	Additional Recommended Electives
Accounting	Principles of Business Marketing & Finance (.5 Credit)	Accounting I (1 Credit) <i>Recommended Prerequisite: Principles Business, Marketing & Finance</i>	Accounting II (1 Credit) <i>Recommended Prerequisite: Accounting 1</i>	Practicum in Business Management (2 Credits) <i>Recommended Prerequisite: 3 credits in business courses</i>	Advertising and Sales Promotion (.5 Credit) Entrepreneurship (.5 Credit)
Business Information	Principles of Business, Marketing, & Finance (.5 Credit)	Business Information Management 1 (1 Credit) <i>Recommended Prerequisite: Principles Business, Marketing & Finance</i>	Business Information Management 2 (1 Credit) <i>Recommended Prerequisite: Business Information Management 1</i>	Practicum in Business Management (2 Credits) <i>Recommended Prerequisite: 3 credits in business courses</i>	Professional Communications (.5 Credit) Virtual Business (.5 Credit)
Business Management	Principles of Business, Marketing, & Finance (.5 Credit)	Global Business (.5 Credit) <i>Recommended Prerequisite: Principles Business, Marketing & Finance</i>	Business Management (1 Credit) <i>Recommended Prerequisite: Global Business</i>	Practicum in Business Management (2 Credits) <i>Recommended Prerequisite: 3 credits in business courses</i>	Human Resources Management (.5 Credit) Touch System Data Entry (1 Credit)
General Business	Principles of Business, Marketing, & Finance (.5 Credit)	Business Information Management 1 (1 Credit) <i>Recommended Prerequisite: Principles Business, Marketing & Finance</i>	Accounting I (1 Credit) <i>Recommended Prerequisite: Principles Business, Marketing & Finance</i>	Practicum in Business Management (2 Credits) <i>Recommended Prerequisite: 3 credits in business courses</i>	Social Media Marketing (.5 Credit) Business Law (.5 Credit)

Core Course Sequence	Language Arts	Math	Science	Social Studies	Electives
9th	English I	Algebra I	Biology	World Geography	Fine Arts (1 Credit) World Languages (2 Credits) P.E. (1 Credit) 21st Century Skills (.5 Credit)
10th	English II	Geometry	IPC, Physics, Chemistry	World History	
11th	English III	Algebra II or MMA	Advanced 3rd Science	U.S. History	
12th	Advanced English Course	Algebra II or Advanced 4th Math	Advanced 4th Science	Government / Economics	
<i>Course sequence is dependent upon prior credits completed in middle school.</i>					

Certifications / Certificate Opportunities Based on Program of Study
Microsoft office Specialist Certification (MOS) (Word, Excel, Powerpoint, Access, Expert) Office Proficient Assessment Certification (OPAC)
Career and Technical Student Organization (CTSO)
<ul style="list-style-type: none"> • BPA - Business Professionals of America

Additional Course Information
Problems and Solutions (1 Credit) can be taken during the 12th grade year at a student's high school campus if the practicum course of 2 credits does not fit into the schedule.
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
BUSINESS,
MARKETING, AND
FINANCE**

GRADE: 9-11 CREDIT: .5

PEIMS: 13011200 KISD: 8300

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.

ACCOUNTING I

GRADE: 9-12 CREDIT: 1

PEIMS: 13016600 KISD: 8407

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.

ACCOUNTING II

GRADE: 10-12 CREDIT: 1

PEIMS: 13016700 KISD: 8408

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.

**TOUCH SYSTEM
DATA ENTRY**

GRADE: 9-12 CREDIT: .5

PEIMS: 13011300 KISD: 8301

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.

**BUSINESS
INFORMATION
MANAGEMENT I**

GRADE: 9-12 CREDIT: 1

PEIMS: 13011400 KISD: 8302

RECOMMENDED PREREQUISITE: None

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.

**BUSINESS
INFORMATION
MANAGEMENT II**

GRADE: 10-12 CREDIT: 1

PEIMS: 13011500 KISD: 8303

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.

HUMAN RESOURCES MANAGEMENT

GRADE: 10-12 CREDIT: .5

PEIMS: 13011900 KISD: 8307

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 human resources management, which include recruitment, selection, training, development, and compensation. Topics will incorporate social responsibility of business and industry. Students develop a foundation in the economic, financial, technological, international, social, and ethical aspects of human resources in order to become competent managers, employees, and entrepreneurs. Students incorporate a broad base of knowledge that includes the legal, managerial, financial, ethical, and international dimensions of business to make appropriate human resources decisions.

BUSINESS LAW

GRADE: 10-12 CREDIT: .5

PEIMS: 13011700 KISD: 8304

RECOMMENDED PREREQUISITE: Principles of
Business, Marketing, and Finance

Students analyze the social responsibility of business and industry regarding the significant issues relating to the legal environment, business ethics, torts, contracts, negotiable financial instruments, personal property, sales, warranties, business, organizations, concept of agency and employment, and real property. Students apply technical skills to address business applications of contemporary legal issues. 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.

VIRTUAL BUSINESS

GRADE: 10-12 CREDIT: .5

PEIMS: 13012000 KISD: 8308

RECOMMENDED PREREQUISITE: Principles of
Business, Marketing, and Finance

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.

GLOBAL BUSINESS

GRADE: 9-12 CREDIT: .5

PEIMS: 13011800 KISD: 8305

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 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.

BUSINESS MANAGEMENT

GRADE: 10-12 CREDIT: 1

PEIMS: 13012100 KISD: 8306

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.

**PRACTICUM IN BUSINESS
MANAGEMENT**

GRADE: 12

CREDIT: 2

PEIMS: 13012200

KISD: 84352

RECOMMENDED PREREQUISITE: 3 credits in
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 economical, 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.

Endorsement: Business & Industry
Pathway: Business Communications

Program of Study Course Sequence	9th Grade	10th Grade	11th Grade	12th Grade	Additional Recommended Electives
Debate	Debate I	Debate II (1 Credit) <i>Recommended</i> <i>Prerequisite:</i> <i>Debate I</i>	Oral Interpretation I (1 Credit) <i>Recommended</i> <i>Prerequisite:</i> <i>Debate I</i>	Debate III (1 Credit) <i>Recommended</i> <i>Prerequisite:</i> <i>Debate 2</i>	Creative Writing (1 Credit) Entrepreneurship (.5 Credit) Professional Communications (.5 Credit) Independent Study in Journalism (1 Credit) Principles of Business, Marketing, and Finance (.5 Credit) Touch System Data Entry (1 Credit) Social Media Marketing (.5 Credit)
Broadcast Journalism	Journalism/ Photojournalism (1 Credit)	Advanced Broadcast Journalism I (1 Credit) <i>Recommended</i> <i>Prerequisite:</i> <i>Journalism/ Photojournalism</i>	Advanced Broadcast Journalism II (1 Credit) <i>Recommended</i> <i>Prerequisite:</i> <i>Advanced Broadcast Journalism I</i>	Advanced Broadcast Journalism III (1 Credit) <i>Recommended</i> <i>Prerequisite:</i> <i>Advanced Broadcast Journalism II</i>	
Newspaper	Journalism/ Photojournalism (1 Credit)	Newspaper I (1 Credit) <i>Recommended</i> <i>Prerequisite:</i> <i>Journalism/ Photojournalism</i>	Newspaper II (1 Credit) <i>Recommended</i> <i>Prerequisite:</i> <i>Newspaper I</i>	Newspaper III (1 Credit) <i>Recommended</i> <i>Prerequisite:</i> <i>Newspaper II</i>	
Yearbook	Journalism/ Photojournalism (1 Credit)	Yearbook I (1 Credit) <i>Recommended</i> <i>Prerequisite:</i> <i>Journalism/ Photojournalism</i>	Yearbook II (1 Credit) <i>Recommended</i> <i>Prerequisite:</i> <i>Yearbook I</i>	Yearbook III (1 Credit) <i>Recommended</i> <i>Prerequisite:</i> <i>Yearbook II</i>	
Public Speaking	Professional Communications (.5 Credit)	Public Speaking I (.5 Credit) <i>Recommended</i> <i>Prerequisite:</i> <i>None</i>	Public Speaking II (1 Credit) <i>Recommended</i> <i>Prerequisite:</i> <i>Public Speaking I</i>	Public Speaking III (1 Credit) <i>Recommended</i> <i>Prerequisite:</i> <i>Public Speaking II</i>	

Core Course Sequence	Language Arts	Math	Science	Social Studies	Electives
9th	English I	Algebra I	Biology	World Geography	Fine Arts (1 Credit) World Languages (2 Credits) P.E. (1 Credit) 21st Century Skills (.5 Credit)
10th	English II	Geometry	IPC, Physics, Chemistry	World History	
11th	English III	Algebra II or MMA	Advanced 3rd Science	U.S. History	
12th	Advanced English Course	Algebra II or Advanced 4th Math	Advanced 4th Science	Government / Economics	
<i>Course sequence is dependent upon prior credits completed in middle school.</i>					

Student Organizations

Forensics
Debate Club
Campus Newspaper
Campus Yearbook

JOURNALISM

GRADE: 9-12 CREDIT: .5

PEIMS: 03230100 KISD: 1304

RECOMMENDED PREREQUISITE: None

Students enrolled in Journalism write in a variety of forms for a variety of audiences and purposes. High school students enrolled in this course are expected to plan, draft, and complete written compositions on a regular basis, carefully examining their papers for clarity, engaging language, and the correct use of the conventions and mechanics of written English. In Journalism, students are expected to write in a variety of forms and for a variety of audiences and purposes. Students will become analytical consumers of media and technology to enhance their communication skills. Published work 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 Journalism will learn journalistic traditions, research self-selected topics, write journalistic texts, and learn the principles of publishing.

PHOTOJOURNALISM

GRADE: 9-12 CREDIT: .5

PEIMS: 03230800 KISD: 1371

RECOMMENDED PREREQUISITE: None

This semester course provides basic introduction in camera techniques, darkroom techniques, and photocomposition. Students with high achievement may be selected for publication staffs.

INDEPENDENT STUDY IN JOURNALISM

GRADE: 9-12 CREDIT: .5

PEIMS 03231000 KISD: 1363

RECOMMENDED PREREQUISITE: None

Students enrolled in Independent Study in Journalism write in a variety of forms for a variety of audiences and purposes. High school students enrolled in this course are expected to plan, draft, and complete written 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. Students will become analytical consumers of media and technology to enhance their communication skills. Published work 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 Independent Study in Journalism will refine and enhance their journalistic skills, research self-selected topics, plan, organize, and prepare a project(s).

**ADVANCED
JOURNALISM
NEWSPAPER
I - III**

GRADE: 10-12	CREDIT: 1
PEIMS: 03230140	I KISD: 13331
PEIMS: 03230150	II KISD: 13332
PEIMS: 03230160	III KISD: 13333
RECOMMENDED PREREQUISITE: Journalism/Photojournalism	

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**

GRADE: 10-12	CREDIT: 1
PEIMS: 03230110	I KISD: 13531
PEIMS: 03230120	II KISD: 13532
PEIMS: 03230130	III KISD: 13533
RECOMMENDED PREREQUISITE: Journalism/Photojournalism	

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**

GRADE: 10-12	CREDIT: 1
PEIMS: 03231900	KISD: 1313
PEIMS: 03231901	KISD: 13231
PEIMS: 03231902	KISD: 13232
RECOMMENDED PREREQUISITE: Journalism/Photojournalism	

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

GRADE: 9-12	CREDIT: 1
PEIMS: 03240600	KISD: 1403
PEIMS: 03240700	KISD: 1413
PEIMS: 03240800	KISD: 1423
RECOMMENDED PREREQUISITE: Debate 1	

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**

GRADE: 10-12 CREDIT: 1

PEIMS: 03240200 KISD: 1462

RECOMMENDED PREREQUISITE: Debate 2

Literature and its presentation are integral to understanding the cultural aspects of a society. Students in Oral Interpretation I 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.

**PUBLIC SPEAKING I,
II, III**

GRADE: 10-12 CREDIT: 1

PEIMS: 03240900 KISD: 1433

PEIMS: 03241000 KISD: 1443

PEIMS: 03241100 KISD: 1453

RECOMMENDED PREREQUISITE: Professional Communications

In order to have full participation in the civic process, students must have a good understanding of public dialogue. Students must learn the concepts and skills related to preparing and presenting public messages and to analyzing and evaluating the messages of others. Within this process, students will gain skills in reading, writing, speaking, listening, and thinking and will examine areas such as invention, organization, style, memory, and delivery.

Endorsement: Business & Industry

Pathway: Finance

Program of Study Course Sequence	9th Grade	10th Grade	11th Grade	12th Grade	Additional Recommended Electives
Finance	Principles of Business, Marketing, & Finance/ Banking and Financial Services (.5, .5 Credit)	Accounting I/ Securities & Investments (1 Credit) <i>Recommended Prerequisite: Principles of Business, Marketing and Finance</i>	Financial Analysis (1 Credit) <i>Recommended Prerequisite: Accounting I</i>	Practicum in Business Management (2 Credits) <i>Recommended Prerequisite: 3 credits in business courses</i>	Entrepreneurship (.5 Credit) Professional Communications (.5 Credit) Money Matters (.5 Credit) Business Law (.5 Credit)

Core Course Sequence	Language Arts	Math	Science	Social Studies	Electives
9th	English I	Algebra I	Biology	World Geography	Fine Arts (1 Credit) World Languages (2 Credits) P.E. (1 Credit) 21st Century Skills (.5 Credit)
10th	English II	Geometry	IPC, Physics, Chemistry	World History	
11th	English III	Algebra II or MMA	Advanced 3rd Science	U.S. History	
12th	Advanced English Course	Algebra II or Advanced 4th Math	Advanced 4th Science	Government / Economics	
<i>Course sequence is dependent upon prior credits completed in middle school.</i>					

Certifications / Certificate Opportunities Based on Program of Study
Microsoft office Specialist Certification (MOS) (Word, Excel, Powerpoint, Access, Expert) Office Proficient Assessment Certification (OPAC)
Career and Technical Student Organization (CTSO)
Business Professionals of America FBLA

Additional Course Information
Problems and Solutions (1 Credit) can be taken during the 12th grade year at a student's high school campus if the practicum course of 2 credits does not fit into the schedule. 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
BUSINESS,
MARKETING, AND
FINANCE**

GRADE: 9-11 CREDIT: .5

PEIMS: 13011200 KISD: 8300

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 good 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.

MONEY MATTERS

GRADE: 9-12 CREDIT: .5

PEIMS: 13016200 KISD: 8403

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.

**BANKING AND
FINANCIAL
SERVICES**

GRADE: 9-12 CREDIT: .5

PEIMS: 13016300 KISD: 8404

RECOMMENDED PREREQUISITE: Principles of Business, Marketing, and Finance

Students develop knowledge and skills in the economic, financial, technological, international, social, and ethical aspects of banking to become competent consumers, employees, and entrepreneurs. Students incorporate a broad base of knowledge that includes the operations, sales, and management of banking institutions to gain a complete understanding of how banks function within society.

**SECURITIES AND
INVESTMENTS**

GRADE: 10-12 CREDIT: .5

PEIMS: 13016400 KISD: 8405

RECOMMENDED PREREQUISITE: Principles of Business, Marketing, and Finance

Students will describe and abide by laws and regulations in order to manage business operations and transactions in the securities industry; access, process, maintain, evaluate, and disseminate information to assist in making decisions common to the securities industry; and monitor, plan, and control day to day securities organization activities to ensure continued business functioning. Students will use career planning concepts, tools, and strategies to explore, obtain, and develop a career in the securities industry. Students will determine client needs and wants and respond through planned, personalized communication to influence purchase decisions and enhance future securities sales opportunities.

ACCOUNTING I

GRADE: 9-12 CREDIT: 1

PEIMS: 13016600 KISD: 8407

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.

**FINANCIAL
ANALYSIS**

GRADE: 11-12 CREDIT: 1

PEIMS: 13016800 KISD: 8409

RECOMMENDED PREREQUISITE: Accounting I

Students apply technical skills to develop knowledge and skills in the economical, financial, technological, international, social, and ethical aspects of business to become competent consumers, employees, and entrepreneurs. Students develop analytical skills by actively evaluating financial results of multiple businesses, interpreting results for stakeholders, and presenting strategic recommendations for performance improvement.

**PRACTICUM IN BUSINESS
MANAGEMENT**

GRADE: 12

CREDIT: 2

PEIMS: 13012200

KISD: 84352

RECOMMENDED PREREQUISITE: 3 credits in
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 economical, 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.

Endorsement: Business & Industry
Pathway: Marketing

Program of Study Course Sequence	9th Grade	10th Grade	11th Grade	12th Grade	Additional Recommended Electives
<i>Fashion Marketing</i>	Principles of Business, Marketing, & Finance (.5 Credit)	Advertising Sales and Promotion/ Fashion Marketing (.5, .5 Credit) <i>Recommended Prerequisite: Principles of Business, Marketing, and Finance</i>	Marketing Dynamics (2 Credits) <i>Recommended Prerequisite: 2 Credits of Marketing Courses</i>	Practicum in Marketing Dynamics (2 Credits) <i>Recommended Prerequisite: Marketing Dynamics</i>	Entrepreneurship (.5 Credit) Professional Communications (.5 Credit) Virtual Business (.5 Credit) Human Resources Management (.5 Credit) Business Law (.5 Credit) Money Matters (.5 Credit)
<i>Sports and Entertainment Marketing</i>	Principles of Business, Marketing, & Finance (.5 Credit)	Advertising Sales and Promotion/ Sports and Entertainment Marketing (.5, .5 Credit) <i>Recommended Prerequisite: Principles of Business, Marketing, and Finance</i>	Marketing Dynamics (2 Credits) <i>Recommended Prerequisite: 2 Credits of Marketing Courses</i>	Practicum in Marketing Dynamics (2 Credits) <i>Recommended Prerequisite: Marketing Dynamics</i>	
<i>Social Media Marketing</i>	Principles of Business, Marketing, & Finance (.5 Credit)	Advertising Sales and Promotion/ Social Media Marketing (.5, .5 Credit) <i>Recommended Prerequisite: Principles of Business, Marketing, and Finance</i>	Marketing Dynamics (2 Credits) <i>Recommended Prerequisite: 2 Credits of Marketing Courses</i>	Practicum in Marketing Dynamics (2 Credits) <i>Recommended Prerequisite: Marketing Dynamics</i>	

Core Course Sequence	Language Arts	Math	Science	Social Studies	Electives
9th	English I	Algebra I	Biology	World Geography	Fine Arts (1 Credit) World Languages (2 Credits) P.E. (1 Credit) 21st Century Skills (.5 Credit)
10th	English II	Geometry	IPC, Physics, Chemistry	World History	
11th	English III	Algebra II or MMA	Advanced 3rd Science	U.S. History	
12th	Advanced English Course	Algebra II or Advanced 4th Math	Advanced 4th Science	Government / Economics	
<i>Course sequence is dependent upon prior credits completed in middle school.</i>					

Certifications / Certificate Opportunities Based on Program of Study
<p>Microsoft office Specialist Certification (MOS) (Word, Excel, Powerpoint, Access, Expert) Office Proficient Assessment Certification (OPAC) Customer Service</p>
Career and Technical Student Organization (CTSO)
<p>DECA</p>

Additional Course Information
<p>Problems and Solutions (1 Credit) can be taken during the 12th grade year at a student's high school campus if the practicum course of 2 credits does not fit into the schedule.</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>

PRINCIPLES OF BUSINESS, MARKETING, AND FINANCE	
GRADE: 9-11	CREDIT: .5
PEIMS: 13011200	KISD: 8300
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.

RETAILING AND E-TAILING	
GRADE: 9-12	CREDIT: .5
PEIMS: 13034500	KISD: 8506
RECOMMENDED PREREQUISITE: Principles of Business, Marketing, and Finance	

Students will have the opportunity to develop skills that involve electronic media techniques necessary for a business to compete in a global economy. Students will coordinate online and offline marketing. Students will demonstrate critical thinking skills using decision-making models, case studies, various technologies, and business scenarios.

SPORTS AND ENTERTAINMENT MARKETING	
GRADE: 9-12	CREDIT: .5
PEIMS: 13034600	KISD: 8507
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.

ENTREPRENEURSHIP	
GRADE: 9-12	CREDIT: .5
PEIMS: 13034400	KISD: 8505
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.

ADVERTISING AND SALES PROMOTION

GRADE: 9-12 CREDIT: .5

PEIMS: 13034200 KISD: 8501
RECOMMENDED PREREQUISITE: Principles of Business, Marketing, and Finance

Advertising and Sales Promotion 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.

SOCIAL MEDIA MARKETING

GRADE: 9-12 CREDIT: .5

PEIMS: 13034200 KISD: 8500
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.

FASHION MARKETING

GRADE: 9-12 CREDIT: .5

PEIMS: 13034300 KISD: 8502
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.

MARKETING DYNAMICS

GRADE: 11-12 CREDIT: 2

PEIMS: 13034700 KISD: 8508
RECOMMENDED PREREQUISITE: 2 Credits of Marketing courses

Marketing is a series of dynamic 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 DYNAMICS

GRADE: 12 CREDIT: 2

PEIMS: 13034800 KISD: 85092
RECOMMENDED PREREQUISITE: Marketing Dynamics

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.

Endorsement: Business & Industry

Pathway: Transportation, Distribution & Logistics

Program of Study Course Sequence	9th Grade	10th Grade	11th Grade	12th Grade	Additional Recommended Electives
Aircraft Technology	Principles of Transportation, Distribution and Logistics (.5 Credit)	Energy, Power and Transportation Systems (.5 Credit) <i>Recommended</i> <i>Prerequisite:</i> <i>Principles of Transportation, Distribution and Logistics</i>	Dual Aircraft Technology (2 Credits) <i>Recommended</i> <i>Prerequisite:</i> <i>Energy, Power and Transportation Systems</i>	Dual Advanced Aircraft Technology (2 Credits) <i>Recommended</i> <i>Prerequisite:</i> <i>Dual Aircraft Technology</i>	Advertising and Sales Promotion (.5 Credit) Energy, Power and Transportation Systems (.5 Credit)
Automotive Technology	Principles of Transportation, Distribution and Logistics (.5 Credit)	Automotive Technology (2 Credits) <i>Recommended</i> <i>Prerequisite:</i> <i>Principles of Transportation, Distribution and Logistics</i>	Advanced Automotive Technology (2 Credits) <i>Recommended</i> <i>Prerequisite:</i> <i>Automotive Technology</i>	Practicum in Transportation, Distribution and Logistics (2 Credits) <i>Recommended</i> <i>Prerequisite:</i> <i>3 credits in the Transportation, Distribution and Logistics Program of Study</i>	Entrepreneurship (.5 Credit) Principles of Business Marketing and Finance (.5 Credit) Business Information Management (1 Credit)
Transportation Distribution and Logistics	Principles of Transportation, Distribution and Logistics (.5 Credit)	Energy, Power and Transportation Systems (.5 Credit) <i>Recommended</i> <i>Prerequisite:</i> <i>Principles of Transportation, Distribution and Logistics</i>	Dual Transportation Systems Management (2 Credits) <i>Recommended</i> <i>Prerequisite:</i> <i>Energy, Power and Transportation Systems</i>	Dual Logistics, Planning and Management Systems (2 Credits) <i>Recommended</i> <i>Prerequisite:</i> <i>2 credits of dual transportation courses</i>	Professional Communications (.5 Credit) Banking and Financial Services (.5 Credit)

Core Course Sequence	Language Arts	Math	Science	Social Studies	Electives
9th	English I	Algebra I	Biology	World Geography	Fine Arts (1 Credit) World Languages (2 Credits) P.E. (1 Credit) 21st Century Skills (.5 Credit)
10th	English II	Geometry	IPC, Physics, Chemistry	World History	
11th	English III	Algebra II or MMA	Advanced 3rd Science	U.S. History	
12th	Advanced English Course	Algebra II or Advanced 4th Math	Advanced 4th Science	Government / Economics	
<i>Course sequence is dependent upon prior credits completed in middle school.</i>					

Certifications / Certificate Opportunities Based on Program of Study
<ul style="list-style-type: none"> • OSHA General Certification • Cyber Safety Awareness • Work Force Ready Power Equipment • Automotive Service Exam (ASE) • Automotive Lift Certification
Career and Technical Student Organization (CTSO)
<ul style="list-style-type: none"> • SkillsUSA • BPA - Business Professionals of America

Additional Course Information
<p>Problems and Solutions (1 Credit) can be taken during the 12th grade year at a student's high school campus if the practicum course of 2 credits does not fit into the schedule.</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>

**PRINCIPLES OF
TRANSPORTATION,
DISTRIBUTION &
LOGISTICS**

GRADE: 9-11 CREDIT: .5

PEIMS: 13039200 KISD: 8772

RECOMMENDED PREREQUISITE: None

In Principles of Transportation, Distribution, and Logistics, students gain knowledge and skills in the safe application, design, production, and assessment of products, services, and systems. This knowledge includes the history, laws and regulations, and common practices used in the logistics of warehousing and transportation systems. Students should apply knowledge and skills in the application, design, and production of technology as it relates to the transportation, distribution, and logistics industries. This course allows students to reinforce, apply, and transfer their academic knowledge and skills to a variety of interesting and relevant activities, problems, and settings.

**ENERGY, POWER &
TRANSPORTATION
SYSTEMS**

GRADE: 10-12 CREDIT: .5

PEIMS: 13039300 KISD: 8771

RECOMMENDED PREREQUISITE: Principles of Transportation, Distribution & Logistics

The businesses and industries of the Transportation, Distribution, and Logistics cluster are rapidly expanding to provide new career opportunities. Students will need to understand the interaction between various vehicle systems, the logistics used to move goods and services to consumers, and the components of transportation infrastructure. Performance requirements will include academic and technical skills. Students prepared to meet the expectations of employers in this industry must be able to interact and relate to others and understand the technologies used in order to provide products and services in a timely manner. The increasing demand for employees will provide growth potential.

**DUAL AIRCRAFT
TECHNOLOGY**
(AERM 1310, 1314, 1303,
1315)

GRADE: 11-12 CREDIT: 2

PEIMS: 13039400 KISD: 8840

PREREQUISITE: REQUIRED 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.

**DUAL ADVANCED
AIRCRAFT
TECHNOLOGY**
(AERM 1345, 1349, 1357,
1351)

GRADE: 12 CREDIT: 3

PEIMS: 13039500 KISD: 8841

PREREQUISITE: Aircraft Technology Dual
REQUIRED 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 Electricity (AERM 1345), Hydraulic & Pneumatics (AERM 1349), Fuel Metering (AERM 1357), and Turbine Engine Theory (AERM 1351) at TCC to receive credit for this course. These classes are all taught at TCC-Alliance.

**AUTOMOTIVE
TECHNOLOGY**

GRADE: 10-12 CREDIT: 2

PEIMS: 13039600 KISD: 8842

RECOMMENDED PREREQUISITE: Principles of Transportation, Distribution & Logistics

This course is designed to include knowledge of the function of the major automotive systems and the principles of diagnosing and services these systems. In Automotive Technology, students gain knowledge and skills in the repair, maintenance, and diagnosis 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 the theory of operation of automotive vehicle systems and associated repair practices.

**ADVANCED
AUTOMOTIVE
TECHNOLOGY**

GRADE: 11-12 CREDIT: 3

PEIMS: 13039700 KISD: 8843
RECOMMENDED PREREQUISITE: Automotive
Technology

This course is designed to include advanced knowledge of the function of the major automotive systems and the principles of diagnosing and servicing these systems. In Advanced Automotive Technology, students gain knowledge and skills in the repair, maintenance, and diagnosis 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 the theory of operation of automotive vehicle systems and associated repair practices.

**PRACTICUM IN
TRANSPORTATION,
DISTRIBUTION &
LOGISTICS**

GRADE: 12 CREDIT: 2

PEIMS: 13040400 KISD: 87772
RECOMMENDED PREREQUISITE: 2 Credits of
Transportation Courses

The 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.

**DUAL
TRANSPORTATION
SYSTEMS
MANAGEMENT**

DUAL GLOBAL BUSINESS

LMGT 1323, 2334
IBUS 1301, 1302

GRADE: 12 CREDIT: 1

PEIMS: 13040200 KISD: 88442

REQUIRED: TCC Admission Standards

This course is designed to help students gain knowledge and skills in material handling and distribution and proper application, design, and production of technology as it relates to the transportation industries. This course includes the safe operation of tractor-trailers, fork lifts, and related heavy equipment. The course allows students to reinforce, apply, and transfer their academic knowledge and skills to management of transportation systems and associate careers. Students must enroll, purchase the books required, and pay for Transportation Management (LMGT 1323) and Traffic Management (LMGT 2334) at TCC to receive credit for this course. This course is designed for students to analyze global trade theories, international monetary systems, trade policies, politics and laws relating to global business, as well as cultural issues, logistics, and international human resource management. Students must enroll, purchase the books required, and pay for Principles of Exports (IBUS 1301) and Principles of Imports (IBUS 1302) at TCC to receive credit for this course. These classes are all taught at TCC-Alliance.

**DUAL LOGISTICS,
PLANNING, &
MANAGEMENT
SYSTEMS**

DUAL BUSINESS
INFORMATION
MANAGEMENT AND DUAL
MICROECONOMICS

LMGT 1319, 1325
BCIS 1305
ECON 2302

GRADE: 11-12 CREDIT: 1

PEIMS: 13040300 KISD: 88452
REQUIRED: TCC Admission Standards and 2
credits of dual transportation courses

This course is designed to provide training for entry-level employment in Distribution and Logistics. This course focuses on the business planning and management aspects of transportation, distribution, and logistics. To prepare for success, students will learn, reinforce, experience, apply, and transfer their knowledge and skills and technologies as it relates to distribution and logistics. Students must enroll, purchase the books required, and pay for Intro to Bus. Logistics (LMGT 1319) and Warehouse Management (LMGT 1325) at TCC to receive credit for this course. This course is designed to teach students computer terminology, hardware, and software related to the business environment. The focus of this course is on business productivity software applications and professional behavior in computing, including word processing (as needed), spreadsheets, databases, presentation graphics, and business-oriented utilization of the internet. Students must enroll, purchase the books required, and pay for Business Computer Applications (BCIS 1305) at TCC to receive credit for this course. This course is designed to teach students to analyze the behavior of economic agents, including consumer behavior and demand, producer behavior and supply, price and output decisions by firms under various market structures, market failures, and international trade. Students must enroll, purchase the books required, and pay for Principles of Microeconomics (ECON 2302) at TCC to receive credit for this course. These classes are all taught at TCC-Alliance.

Public Services Endorsement

Pathway: Education & Training

Program of Study Course Sequence	9th Grade	10th Grade	11th Grade	12th Grade	Additional Recommended Electives
Education and Training	Principles of Education and Training (.5 Credit)	Human Growth and Development (1 Credit) <i>Recommended Prerequisite: Principles of Education and Training</i>	Instructional Practices in Education and Training (1 Credit) <i>Recommended Prerequisite: Human Growth and Development</i>	Practicum in Education and Training (2 Credit) <i>Recommended Prerequisite: 2 Credits in Education and Training courses</i>	Child Guidance (.5 Credit) Child Development (.5 Credit) Professional Communications (.5 Credit) Money Matters (.5 Credit) Lifetime Nutrition and Wellness (.5 Credit)

Core Course Sequence	Language Arts	Math	Science	Social Studies	Electives
9th	English I	Algebra I	Biology	World Geography	Fine Arts (1 Credit) World Languages (2 Credits) P.E. (1 Credit) 21st Century Skills (.5 Credit)
10th	English II	Geometry	IPC, Physics, Chemistry	World History	
11th	English III	Algebra II or MMA	Advanced 3rd Science	U.S. History	
12th	Advanced English Course	Algebra II or Advanced 4th Math	Advanced 4th Science	Government / Economics	
<i>Course sequence is dependent upon prior credits completed in middle school.</i>					

Certifications / Certificate Opportunities Based on Program of Study
Educational Aide • American Heart Association First Aid Certification
Career and Technical Student Organization (CTSO)
Texas Association of Future Educators (TAFE)

Additional Course Information
Problems and Solutions (1 Credit) can be taken during the 12th grade year at a student's high school campus if the practicum course of 2 credits does not fit into the schedule.
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 CTSSO chapter. Fees may apply.
Location: Courses shaded in gray will be held at the Keller Center for Advanced Learning.

PRINCIPLES OF
EDUCATION AND
TRAINING

GRADE: 9-11 CREDIT: .5

PEIMS: 13014200 KISD: 8058

RECOMMENDED PREREQUISITE: None

Principles of Education and Training are 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

GRADE: 10-12 CREDIT: 1

PEIMS: 13014300 KISD: 8051

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 IN
EDUCATION AND
TRAINING

GRADE: 11-12 CREDIT: 1

PEIMS: 13014400 KISD: 8052

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.

PRACTICUM IN
EDUCATION AND
TRAINING

GRADE: 12 CREDIT: 2

PEIMS: 13014500 KISD: 8052

RECOMMENDED PREREQUISITE: 2 credits
education and training courses

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.

Endorsement: Public Service

Pathway: Government & Public Administration

Program of Study Course Sequence	9th Grade	10th Grade	11th Grade	12th Grade	Additional Recommended Electives
Political Science	Principles of Government & Public Administration (.5 Credit)	Political Science I (1 Credit) <i>Recommended Prerequisite: Principles of Government & Public Administration</i>	Political Science II (1 Credit) <i>Recommended Prerequisite: Political Science I</i>	Practicum in Local, State & Federal Government (2 Credit) <i>Recommended Prerequisite: 2 credits in Local, State & Federal Government courses</i>	Retailing & E-tailing (.5 Credit) Business Management (1 Credit)
Planning & Governance	Principles of Government & Public Administration (.5 Credit)	Public Management & Administration (1 Credit) <i>Recommended Prerequisite: Principles of Government & Public Administration</i>	Planning & Governance (1 Credit) <i>Recommended Prerequisite: Public Management and Administration</i>	Practicum in Local, State, & Federal Government (2 Credit) <i>Recommended Prerequisite: 2 credits in Local, State & Federal Government courses</i>	Professional Communications (.5 Credit) Money Matters (.5 Credit) Business Law (.5 Credit)

Core Course Sequence	Language Arts	Math	Science	Social Studies	Electives
9th	English I	Algebra I	Biology	World Geography	Fine Arts (1 Credit) World Languages (2 Credits) P.E. (1 Credit) 21st Century Skills (.5 Credit)
10th	English II	Geometry	IPC, Physics, Chemistry	World History	
11th	English III	Algebra II or MMA	Advanced 3rd Science	U.S. History	
12th	Advanced English Course	Algebra II or Advanced 4th Math	Advanced 4th Science	Government / Economics	
<i>Course sequence is dependent upon prior credits completed in middle school.</i>					

Career and Technical Student Organization (CTSO)
Student Government

Additional Course Information
Problems and Solutions (1 Credit) can be taken during the 12th grade year at a student's high school campus if the practicum course of 2 credits does not fit into the schedule. 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
GOVERNMENT AND
PUBLIC
ADMINISTRATION**

GRADE: 9-11 CREDIT: .5

PEIMS: 13018200 KISD: 8850

RECOMMENDED PREREQUISITE: None

Government and Public Administration introduce students to foundations of governmental functions and career opportunities within the United States. Students will examine governmental documents such as the United States Constitution and the Bill of Rights.

**POLITICAL
SCIENCE I**

GRADE: 10-12 CREDIT: 1

PEIMS: 13018300 KISD: 8851

RECOMMENDED PREREQUISITE: Principles of Government, Public Administration

This course will familiarize the student with political theory through the study of governments; public policies; and political processes, systems, and behavior.

**POLITICAL
SCIENCE II**

GRADE: 10-12 CREDIT: 2

PEIMS: 13018400 KISD: 8852

RECOMMENDED PREREQUISITE: Political Science I

This course uses a variety of methodological approaches to examine the process, systems, and political dynamics of the United States and other nations. The dynamic component of this course includes current United States and world events.

**PUBLIC
MANAGEMENT AND
ADMINISTRATION**

GRADE: 10-12 CREDIT: 1

PEIMS: 13018600 KISD: 8853

RECOMMENDED PREREQUISITE: Principles of Government, Public Administration

Public Management and Administration considers that governments and nonprofit administration resemble private-sector management. Students are introduced to management tools that maximize the effectiveness of administrators and affect the quality of life of citizens in the community.

**PLANNING AND
GOVERNANCE**

GRADE: 10-12 CREDIT: 1

PEIMS: 13018700 KISD: 8854

RECOMMENDED PREREQUISITE: Principles of Government, Public Administration

Planning and Governance provides the opportunity for students to formulate plans and policies to meet social, economic, and physical needs of communities.

**PRACTICUM IN
LOCAL, STATE,
FEDERAL
GOVERNMENT**

GRADE: 12 CREDIT: 2

PEIMS: 13019000 KISD: 88552

RECOMMENDED PREREQUISITE: 2 years of Government and Public Administration courses

Students concurrently learn advanced concepts of political science in the classroom setting. In addition, students will apply technical skills pertaining to government and public administration in a direct mentorship by individuals in professional settings such as government, public management and administration, national security, municipal planning, Foreign Service, revenue, taxation, and regulation.

Endorsement: Public Service

Pathway: Health Science

Program of Study Course Sequence	9th Grade	10th Grade	11th Grade	12th Grade	Additional Recommended Electives
Health Science	Principles of Health Science and Medical Terminology (.5, .5 Credit)	Health Science 1 (1 Credit) <i>Recommended</i> <i>Prerequisite:</i> <i>Principles of Health Science and Medical Terminology</i>	Anatomy and Physiology (1 Credit) <i>Recommended</i> <i>Prerequisite:</i> <i>Health Science 1</i>	Practicum in Health Science (2 Credits) <i>Recommended</i> <i>Prerequisite:</i> <i>2 credits of Health Science courses</i>	Child Development (.5 Credit) Lifetime Nutrition and Wellness (.5 Credit) Entrepreneurship (.5 Credit) Human Growth and Development (1 Credit) Child Guidance (1 Credit) Professional Communications (.5 Credit)
Biotechnology Engineering	Principles of Health Science and Medical Terminology (.5, .5 Credit)	Anatomy & Physiology (1 Credit) <i>Recommended</i> <i>Prerequisite:</i> <i>Principles of Health Science and Medical Terminology</i>	Biotechnology (1 Credit) <i>Recommended</i> <i>Prerequisite:</i> <i>Anatomy & Physiology</i>	Advanced Biotechnology (1 Credit) <i>Recommended</i> <i>Prerequisite:</i> <i>Biotechnology</i>	
Sports Medicine	Principles of Health Science and Medical Terminology (.5, .5 Credit)	Sports Medicine I (1 Credit) <i>Recommended</i> <i>Prerequisite:</i> <i>Principles of Health Science and Medical Terminology</i>	Sports Medicine II (1 Credit) <i>Recommended</i> <i>Prerequisite:</i> <i>Sports Medicine I</i>	Practicum in Health Science (2 Credits) <i>Recommended</i> <i>Prerequisite:</i> <i>2 credits of Health Science courses</i>	

Core Course Sequence	Language Arts	Math	Science	Social Studies	Electives
9th	English I	Algebra I	Biology	World Geography	Fine Arts (1 Credit) World Languages (2 Credits) P.E. (1 Credit) 21st Century Skills (.5 Credit)
10th	English II	Geometry	IPC, Physics, Chemistry	World History	
11th	English III	Algebra II or MMA	Advanced 3rd Science	U.S. History	
12th	Advanced English Course	Algebra II or Advanced 4th Math	Advanced 4th Science	Government / Economics	
<i>Course sequence is dependent upon prior credits completed in middle school.</i>					

Certifications / Certificate Opportunities Based on Program of Study	Additional Course Information
American Heart Association CPR Certification American Heart Association First Aid Certification Certified Nurses Assistants Pharmacy Technician	Problems and Solutions (1 Credit) can be taken during the 12th grade year at a student's high school campus if the practicum course of 2 credits does not fit into the schedule. 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.
Career and Technical Student Organization (CTSO)	
Health Occupation Students of America (HOSA)	

**PRINCIPLES OF
HEALTH SCIENCE**

GRADE: 9-11 CREDIT: .5

PEIMS: 13020200 KISD: 8290

RECOMMENDED PREREQUISITE: None

The Principles of Health Science provides an overview of the therapeutic, diagnostic, health informatics, support services, and biotechnology research and development systems of the health care industry.

**MEDICAL
TERMINOLOGY**

GRADE: 9-12 CREDIT: .5

PEIMS: 13020300 KISD: 8291

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.

**ANATOMY AND
PHYSIOLOGY**

GRADE: 11-12 CREDIT: 1

PEIMS: 13020600 KISD: 3203

RECOMMENDED PREREQUISITE: 3 credits of science.

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).

HEALTH SCIENCE I

GRADE: 10-12 CREDIT: 1

PEIMS: 13020400 KISD: 8292

RECOMMENDED PREREQUISITE: Principles of Health Science, Biology

The Health Science 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.

**BIOTECHNOLOGY
ENGINEERING**

GRADE: 9-12 CREDIT: 1

PEIMS: KISD: 8762

RECOMMENDED PREREQUISITE: Concepts of engineering and technology

This course provides an overview of biotechnology, bioengineering, and related fields. Topics include genetics, cell structure, proteins, nucleic acids, and the impact of immunological events in biotechnology. Students further study the increasingly important agricultural, environmental, economic, and political roles of bioenergy and biological remediation; the roles of nanoscience and nanotechnology in biotechnology medical research; and future trends in biological science and biotechnology.

**ADVANCED
BIOTECHNOLOGY
ENGINEERING**

GRADE: 11-12 CREDIT: 1

PEIMS: KISD: 8762

RECOMMENDED PREREQUISITE: Biology and Chemistry

Students enrolled in this course will apply advanced academic knowledge and skills to the emerging fields of biotechnology such as agricultural, medical, regulatory, and forensics. Students will have the opportunity to use sophisticated laboratory equipment, perform statistical analysis, and practice quality-control techniques. Students in Advanced Biotechnology study a variety of topics that include structures and functions of cells, nucleic acids, proteins, and genetics.

**SPORTS MEDICINE
I, II**

GRADE: 10-12 CREDIT: 1

PEIMS: N1150040 KISD: 5454

PEIMS: N1150041 KISD: 5455

RECOMMENDED PREREQUISITE: Principles of Health Science and Medical Terminology

Sports Medicine I provides an opportunity for the study and application of the components of sports medicine. Sports Medicine II involves outside-of-class time homework and time required working with athletes and athletic teams.

**PRACTICUM IN
HEALTH SCIENCE**

GRADE: 11-12 CREDIT: 2

PEIMS: 13020500 KISD: 82972

RECOMMENDED PREREQUISITE: 2 credits of
Health Science courses

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 4 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.

Health Science Practicums	<i>Location – You are not required to be in the practicum class on your home campus. However, you are responsible for providing your own transportation.</i>
Certified Nursing Assistant	Central
Clinical Rotations	Keller
Pharmacy Technician	Central
Sports Medicine	All campuses

Endorsement: Public Service
Pathway: Hospitality & Tourism

Program of Study Course Sequence	9th Grade	10th Grade	11th Grade	12th Grade	Additional Recommended Electives
<i>Culinary Arts</i>	Principles of Hospitality and Tourism AND Lifetime Nutrition and Wellness (.5, .5 Credit)	Culinary Arts (1 Credit) <i>Recommended Prerequisite: Principles of Hospitality and Tourism</i>	Advanced Culinary Arts (1 Credit) <i>Recommended Prerequisite: Culinary Arts 1</i>	Practicum in Culinary Arts (2 Credit) <i>Recommended Prerequisite: 2 Credits in Culinary Arts courses</i>	Entrepreneurship (.5 Credit) Business Management (1 Credit) Professional Communications (.5 Credit) Money Matters (.5 Credit) Restaurant Management (.5 Credit)

Core Course Sequence	Language Arts	Math	Science	Social Studies	Electives
9th	English I	Algebra I	Biology	World Geography	Fine Arts (1 Credit) World Languages (2 Credits) P.E. (1 Credit) 21st Century Skills (.5 Credit)
10th	English II	Geometry	IPC, Physics, Chemistry	World History	
11th	English III	Algebra II or MMA	Advanced 3rd Science	U.S. History	
12th	Advanced English Course	Algebra II or Advanced 4th Math	Advanced 4th Science	Government / Economics	
<i>Course sequence is dependent upon prior credits completed in middle school.</i>					

Certifications / Certificate Opportunities Based on Program of Study	Additional Course Information
Texas Food Handlers Certification ServSafe Customer Service	Problems and Solutions (1 Credit) can be taken during the 12th grade year at a student's high school campus if the practicum course of 2 credits does not fit into the schedule. 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.
Career and Technical Student Organization (CTSO)	
FCCLA	

PRINCIPLES OF HOSPITALITY AND TOURISM

GRADE: 9-11 CREDIT: .5

PEIMS: 13022200 KISD: 8040

RECOMMENDED PREREQUISITE: None

The hospitality and tourism industry encompasses lodging; travel and tourism; recreation, amusements, attractions, and resorts; and food and beverage service. The hospitality and tourism industry maintains the largest national employment base in the private sector. Students use knowledge and skills that meet industry standards to function effectively in various positions within this multifaceted industry. Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extracurricular organizations.

LIFETIME NUTRITION AND WELLNESS

GRADE: 9-12 CREDIT: .5

PEIMS: 13024500 KISD: 8042

RECOMMENDED PREREQUISITE: Principles of
Hospitality and Tourism

This laboratory course allows students to use principles of lifetime wellness and nutrition 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.

RESTAURANT MANAGEMENT

GRADE: 10-12 CREDIT: .5

PEIMS: 13022400 KISD: 8044

RECOMMENDED PREREQUISITE: Principles of
Hospitality and Tourism and Lifetime Nutrition and
Wellness

This course will emphasize the principles of planning, organizing, staffing, directing, and controlling the management of a variety of food service operations. The course will provide insight into the operations of a well-run restaurant. Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extracurricular organizations.

CULINARY ARTS

GRADE: 10-12 CREDIT: 1

PEIMS: 13022600 KISD: 8046

RECOMMENDED PREREQUISITE: Principles of
Hospitality and Tourism

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 any other appropriate industry certification. This course may be offered as a laboratory-based or internship course. Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extracurricular organizations.

ADVANCED CULINARY ARTS

GRADE: 11-12 CREDIT: 1

PEIMS: N1302265 KISD: 8045

RECOMMENDED PREREQUISITE: Culinary Arts

Advanced Culinary Arts will extend content and enhance skills introduced in Culinary Arts by infusing high-level, industry driven content to prepare students for success in higher education, certifications and/or immediate employment. Class is taught at the Keller Center for Advanced Learning.

PRACTICUM IN CULINARY ARTS

GRADE: 12 CREDIT: 2

PEIMS: 13022700 KISD: 80472

RECOMMENDED PREREQUISITE: Advanced
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.

Endorsement: Public Service

Pathway: Human Services

Program of Study Course Sequence	9th Grade	10th Grade	11th Grade	12th Grade	Additional Recommended Electives
Child Guidance	Principles of Human Services (.5 Credit)	Child Development (.5 Credits) <i>Recommended</i> <i>Prerequisite:</i> <i>Principles of Human Services or Education and Training</i>	Child Guidance (1 Credit) <i>Recommended</i> <i>Prerequisite</i> <i>Child Development</i>	Practicum in Human Services (2 Credits) <i>Recommended</i> <i>Prerequisite:</i> <i>2 credits of Human Services courses</i>	Advertising and Sales Promotion (.5 Credit)
Cosmetology	Professional Communications (.5 Credit) OR Entrepreneurship (.5 Credit)	Introduction to Cosmetology (2 Credits) <i>Recommended</i> <i>Prerequisite:</i> <i>None</i>	Cosmetology I (3 Credits) <i>Recommended</i> <i>Prerequisite:</i> <i>Introduction to Cosmetology</i>	Cosmetology II (3 Credits) <i>Recommended</i> <i>Prerequisite:</i> <i>Cosmetology I</i>	Money Matters (.5 Credit) Principles of Business Marketing and Finance (.5 Credit)
Counseling and Mental Health	Principles of Human Services (.5 Credit)	Human Growth and Development (1 Credit) OR Psychology/Sociology (.5,.5 Credit) <i>Recommended</i> <i>Prerequisite:</i> <i>None OR AP Psychology</i> (1 Credit)	Counseling and Mental Health (1 Credit) <i>Recommended</i> <i>Prerequisite:</i> <i>Human Growth and Development or Psychology/Sociology</i>	Practicum in Human Services (2 Credits) <i>Recommended</i> <i>Prerequisite:</i> <i>2 credits of Human Services courses</i>	Business Information Management (1 Credit) Business Management (1 Credit) Lifetime Nutrition and Wellness (.5 Credit)
Parenting (New Directions High School Only)	Principles of Human Services (.5 Credit)	Dollars and Sense (.5 Credit) <i>Recommended</i> <i>Prerequisite:</i> <i>None</i>	Parenting for School Age Parents 1 (.5 Credit) <i>Recommended</i> <i>Prerequisite</i> <i>Principles of Human Services</i>	Parenting for School Age Parents 2 (1 Credit) <i>Recommended</i> <i>Prerequisite:</i> <i>2 credits of Human Services courses</i>	Entrepreneurship (.5 Credit) Professional Communications (.5 Credit)

Cosmetology- 4 Year Plan

Freshman	English I	Algebra I	Biology	World Geography	Language Level 1	Professional Communications/ Elective	Elective	PE
Sophomore	English II	Geometry	IPC, Physics, Chemistry	World History	Language Level 2	Intro to Cosmetology	Intro to Cosmetology	Elective
Junior	English III	Algebra II or MMA	Advanced 3rd Science	U.S. History	Fine Art	Cosmetology I	Cosmetology I	Cosmetology I
Senior	Advanced English Course	Algebra II or Advanced 4th Math	Advanced 4th Science	Government / Economics	Elective	Cosmetology II	Cosmetology II	Cosmetology II

In order to be eligible for the Cosmetology program of study, you must have an intentional four-year plan. Above you will find the recommended sequence for high school graduation and completion of the cosmetology program.

Core Course Sequence	Language Arts	Math	Science	Social Studies	Electives
9th	English I	Algebra I	Biology	World Geography	Fine Arts (1 Credit)
10th	English II	Geometry	IPC, Physics, Chemistry	World History	World Languages (2 Credits)
11th	English III	Algebra II or MMA	Advanced 3rd Science	U.S. History	
12th	Advanced English Course	Algebra II or Advanced 4th Math	Advanced 4th Science	Government / Economics	P.E. (1 Credit)
<i>Course sequence is dependent upon prior credits completed in middle school.</i>					21st Century Skills (.5 Credit)

Certifications / Certificate Opportunities Based on Program of Study
<ul style="list-style-type: none"> • SkillsUSA Work Force Ready • TDLR - Texas Department of License and Regulation Cosmetology License
Career and Technical Student Organization (CTSO)
<ul style="list-style-type: none"> • SkillsUSA

Additional Course Information
<p>Problems and Solutions (1 Credit) can be taken during the 12th grade year at a student's high school campus if the practicum course of 2 credits does not fit into the schedule.</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>

PRINCIPLES OF HUMAN SERVICES

GRADE: 9-11 CREDIT: .5

PEIMS: 13024200 KISD: 8030

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, 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.

CHILD DEVELOPMENT

GRADE: 10-12 CREDIT: .5

PEIMS: 13024700 KISD: 8035

RECOMMENDED PREREQUISITE: Principles of Human Services or Education and Training

This technical laboratory course addresses knowledge and skills related to child growth and development from prenatal through school-age children, equipping students with child development skills. Students use these skills to promote the well being and healthy development of children to investigate careers related to the care and education of children. Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extracurricular organizations.

CHILD GUIDANCE

GRADE: 10-12 CREDIT: 1

PEIMS: 13024800 KISD: 8036

RECOMMENDED PREREQUISITE: Principles of Human Services and Child 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 HUMAN SERVICES

GRADE: 12 CREDIT: 2

PEIMS: 13025000 KISD: 80282

RECOMMENDED PREREQUISITE: 2 years of Human Services courses

Practicum in Human Services provides occupationally specific training and focuses on the development of consumer services, early childhood development and services, counseling and mental health services, and family and community services careers. Content for Practicum in Human Services is designed to meet the occupational preparation needs and interests of students and should be based upon the knowledge and skills selected from two or more courses in a coherent sequence in the human services cluster as well as the essential knowledge and skills. Class is taught at the Keller Center for Advanced Learning.

INTRODUCTION TO COSMETOLOGY

GRADE: 10-12 CREDIT: 2

PEIMS: 13025100 KISD: 8039

RECOMMENDED PREREQUISITE: None

Students explore areas such as bacteriology, sterilization and sanitation, hair styling, manicuring, shampooing and the principles of hair cutting, hair styling, hair coloring, skin care, and facial makeup. The student researches careers in the personal care services industry. To prepare for success, students must have skills relative to this industry, as well as academic knowledge and skills. Students may begin to earn clock hours toward state licensing requirements. Class is taught at the Keller Center for Advanced Learning.

COSMETOLOGY I

GRADE: 11-12 CREDIT: 3

PEIMS: 13025200 KISD: 8037

RECOMMENDED PREREQUISITE: Application Process

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

GRADE: 11-12 CREDIT: 3

PEIMS: 13025300 KISD: 8038

RECOMMENDED PREREQUISITE: Cosmetology I, Application Process

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.

HUMAN GROWTH AND DEVELOPMENT

GRADE: 10-12 CREDIT: 1

PEIMS: 13014300 KISD: 8051

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.

AP PSYCHOLOGY

GRADE: 11-12 CREDIT: 1

PEIMS: A3350100 KISD: 4404

PREREQUISITE: WEIGHTED: 10 pts. 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.**

PSYCHOLOGY

GRADE: 10-12 CREDIT: .5

PEIMS: 03350100 KISD: 4402

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.

SOCIOLOGY

GRADE: 10-12 CREDIT: .5

PEIMS: 03370100 KISD: 4401

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.

COUNSELING AND MENTAL HEALTH

GRADE: 10-12 CREDIT: 1

PEIMS: 13024600 KISD: 8054

RECOMMENDED PREREQUISITE: Principles of Human Services

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.

DOLLARS AND
SENSE

GRADE: 9-12 CREDIT: 1

PEIMS: 13024300 KISD: 8024

RECOMMENDED PREREQUISITE: None

Dollars and Sense is a course designed to focus on consumer practices and responsibilities, the money management process, decision-making skills, impact of technology, and preparation for human services careers. Students are encouraged to participate in career and technical student organizations and other leadership organizations. **Offered at New Direction High School only*

PARENTING
EDUCATION FOR
SCHOOL AGE
PARENTS
I, II

GRADE: 9-12 CREDIT: 1
(per course)

PEIMS: N1302536 I KISD: 8033

PEIMS: N1302537 II KISD: 8034

RECOMMENDED PREREQUISITE: Parenting
Education for School Age Parents I

This laboratory course is designed to address the special needs and interests of male and female students who are parents, who are pregnant or who are expecting to become parents in the near future. Special emphasis is placed on prenatal care and development, postnatal care, child development, responsible parenthood and adult roles, family health issues, nutrition, safety, management and employability skills. Students are provided opportunities to develop the knowledge and skills to become successful parents and to prepare for managing the multiple roles of student, parent, family member and wage earner.

**Offered at New Direction High School only*

Endorsement: Public Service

Pathway: Reserve Officer Training Corp

Program of Study Course Sequence	9th Grade	10th Grade	11th Grade	12th Grade	Additional Recommended Electives
<i>Reserve Officers' Training Corps (ROTC)</i>	ROTC I (1 Credit)	ROTC II (1 Credit) <i>Recommended Prerequisite:</i> ROTC I	ROTC III (1 Credit) <i>Recommended Prerequisite:</i> ROTC 2	ROTC IV (1 Credit) <i>Recommended Prerequisite:</i> ROTC 3	Entrepreneurship (.5 Credit) Professional Communications (.5 Credit)

Core Course Sequence	Language Arts	Math	Science	Social Studies	Electives
9th	English I	Algebra I	Biology	World Geography	Fine Arts (1 Credit)
10th	English II	Geometry	IPC, Physics, Chemistry	World History	World Languages (2 Credits)
11th	English III	Algebra II or MMA	Advanced 3rd Science	U.S. History	
12th	Advanced English Course	Algebra II or Advanced 4th Math	Advanced 4th Science	Government / Economics	P.E. (1 Credit)
<i>Course sequence is dependent upon prior credits completed in middle school.</i>					21st Century Skills (.5 Credit)

Certifications / Certificate Opportunities Based on Program of Study
Leadership and College Scholarship Opportunities
Career and Technical Student Organization (CTSO)
Air Force ROTC

Additional Course Information
<i>All ROTC Courses Include:</i>
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.

ROTC I LEADERSHIP EDUCATION I (LE - 1) AEROSPACE SCIENCE I (AS - 1)	
GRADE: 9-12	CREDIT: 1
PEIMS: 03160100	KISD: 50403
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)	
GRADE: 10-12	CREDIT: 1
PEIMS: 03160200	KISD: 5153
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)	
GRADE: 10-12	CREDIT: 1
PEIMS: 03160300	KISD: 5163
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)	
GRADE: 10-12	CREDIT: 1
PEIMS: 03160400	KISD: 5173
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.

Endorsement: Public Service

Pathway: Law, Public Safety, Security & Corrections

Program of Study Course Sequence	9th Grade	10th Grade	11th Grade	12th Grade	Additional Recommended Electives
Law Enforcement	Principles of Law, Public Safety, Security & Corrections (.5 Credit)	Law Enforcement I (1 Credit) <i>Recommended Prerequisite: Principles of Law, Public Safety, Security & Corrections</i>	Law Enforcement II (1 Credit) <i>Recommended Prerequisite: Law Enforcement I</i>	Practicum of Law, Public Safety, Security & Corrections (2 Credit) <i>Recommended Prerequisite: 2 credits in law courses</i>	Court Systems and Practices (1 Credit) Security Services (1 Credit)
Criminal Forensics	Principles of Law, Public Safety, Security & Corrections (.5 Credit)	Forensic Psychology (1 Credit) <i>Recommended Prerequisite: Principles of Law, Public Safety, Security & Corrections</i>	Planning & Governance (1 Credit) <i>Recommended Prerequisite: Forensic Psychology</i>	Practicum of Law, Public Safety, Security & Corrections (2 Credit) <i>Recommended Prerequisite: 2 credits in law courses</i>	Professional Communications (.5 Credit) Entrepreneurship (.5 Credit) *Forensic Science (1 Credit)

Core Course Sequence	Language Arts	Math	Science	Social Studies	Electives
9th	English I	Algebra I	Biology	World Geography	Fine Arts (1 Credit)
10th	English II	Geometry	IPC, Physics, Chemistry	World History	World Languages (2 Credits)
11th	English III	Algebra II or MMA	Advanced 3rd Science	U.S. History	P.E. (1 Credit)
12th	Advanced English Course	Algebra II or Advanced 4th Math	Advanced 4th Science	Government / Economics	21st Century Skills (.5 Credit)
<i>Course sequence is dependent upon prior credits completed in middle school.</i>					

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

Additional Course Information
Problems and Solutions (1 Credit) can be taken during the 12th grade year at a student's high school campus if the practicum course of 2 credits does not fit into the schedule. 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 CTSSO 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
SECURITIES**

GRADE: 9-11 CREDIT: .5

PEIMS: 13029200 KISD: 8830

RECOMMENDED PREREQUISITE: None

LAW ENFORCEMENT I

GRADE: 9-12 CREDIT: 1

PEIMS: 13029300 KISD: 8831

RECOMMENDED PREREQUISITE: Principles of
Law, Public Safety, Corrections, and Security

**LAW ENFORCEMENT
II**

GRADE: 10-12 CREDIT: 1

PEIMS: 13029400 KISD: 8832

RECOMMENDED PREREQUISITE: Principles of
Law, Public Safety, Security & Corrections

**FORENSIC
PSYCHOLOGY**

GRADE: 9-12 CREDIT: 1

PEIMS: N1303012 KISD: 8837

RECOMMENDED PREREQUISITE: Principles of
Law, Public Safety, Security & Corrections

FORENSIC SCIENCE

GRADE: 10-12 CREDIT: 1

PEIMS: 13029500 KISD: 8833

RECOMMENDED PREREQUISITE: Biology and
Advanced Science

SECURITY SERVICES

GRADE: 10-12 CREDIT: 1

PEIMS: 13029800 KISD: 8834

RECOMMENDED PREREQUISITE: Biology

**COURT SYSTEMS AND
PRACTICES**

GRADE: 10-12 CREDIT: 1

PEIMS: 13029600 KISD: 8835

RECOMMENDED PREREQUISITE: Law
Enforcement I

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 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.

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.

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.

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.

Security Services provides the knowledge and skills necessary to prepare for certification in security services. The course provides an overview of security elements and types of organizations with a focus on security measures used to protect lives, property, and proprietary information.

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.

PRACTICUM IN LAW,
PUBLIC SAFETY,
CORRECTIONS, AND
SECURITIES

GRADE: 12

CREDIT: 2

PEIMS: 13030100

KISD: 88362

RECOMMENDED PREREQUISITE: 2 years of Law,
Public Safety, Corrections, and Security courses

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.

Science, Technology, Engineering, Math (STEM) Endorsement

Pathway: Science

Program of Study Course Sequence	9th Grade	10th Grade	11th Grade	12th Grade
<i>Aquatic Science</i>	Biology (1 Credit)	Chemistry (1 Credit) <i>Required Prerequisite:</i> 1Science and Algebra 1	Physics (1 Credit) <i>Recommended</i> <i>Prerequisite:</i> Algebra I AND Aquatic Science (1 Credit) <i>Recommended Prerequisite:</i> <i>Chemistry; Required Prerequisite: Biology</i>	Scientific Research and Design (1 Credit) <i>Required Prerequisite:</i> <i>1 credit of science OR Environmental Systems</i> (1 Credit) <i>Recommended Prerequisite: Biology and 1 credit of science</i>
<i>Biology</i>	Biology (1 Credit)	Chemistry (1 Credit) <i>Required Prerequisite:</i> 1Science and Algebra 1	Physics (1 Credit) <i>Recommended Prerequisite</i> Algebra I AND Anatomy & Physiology (1 Credit) <i>Recommended Prerequisite</i> <i>3 credits of science</i>	AP Biology (1 Credit) <i>Recommended Prerequisite:</i> <i>Biology, Chemistry</i>
<i>Chemistry</i>	Biology (1 Credit)	Chemistry (1 Credit) <i>Required Prerequisite:</i> 1Science and Algebra 1	Physics (1 Credit) <i>Recommended Prerequisite</i> Algebra I AND AP Biology (1 Credit) <i>Recommended Prerequisite:</i> <i>Biology, Chemistry</i>	AP Chemistry (1 Credit) <i>Recommended Prerequisite:</i> <i>Chemistry</i>
<i>Engineering Science</i>	Biology (1 Credit)	Chemistry (1 Credit) <i>Required Prerequisite:</i> 1Science and Algebra 1	Physics (1 Credit) <i>Recommended Prerequisite</i> Algebra I AND Engineering Design and Problem Solving (1 Credit) <i>Required Prerequisite: Geometry, Algebra, Chemistry, Physics</i>	Scientific Research and Design (1 Credit) <i>Required Prerequisite:</i> <i>1 credit of science</i>
<i>Environmental Science</i>	Biology (1 Credit)	Chemistry (1 Credit) <i>Required Prerequisite:</i> 1Science and Algebra 1	Physics (1 Credit) <i>Recommended Prerequisite</i> Algebra I AND AP Environmental Science (1 Credit) <i>Recommended Prerequisite</i> <i>Biology, physical science. Algebra I</i>	Scientific Research and Design (1 Credit) <i>Required Prerequisite:</i> <i>1 credit of science</i>
<i>Food Science</i>	Biology (1 Credit)	Chemistry (1 Credit) <i>Required Prerequisite:</i> 1Science and Algebra 1	Physics (1 Credit) <i>Recommended Prerequisite</i> Algebra I AND Food Science (1 Credit) <i>Recommended Prerequisite</i> <i>Principles of Hospitality and Tourism; Required: 3 credits of science</i>	Scientific Research and Design (1 Credit) <i>Required Prerequisite:</i> <i>1 credit of science</i>
<i>Forensic Science</i>	Biology (1 Credit)	Chemistry (1 Credit) <i>Required Prerequisite:</i> 1Science and Algebra 1	Physics (1 Credit) <i>Prerequisite</i> Algebra I AND Forensic Science (1 Credit) <i>Recommended Prerequisite</i> <i>Principles of Law and Law Enforcement I; Required: Biology, Chemistry,</i>	Scientific Research and Design (1 Credit) <i>Required Prerequisite:</i> <i>1 credit of science</i>

Health Science	Biology (1 Credit)	Chemistry (1 Credit) <i>Required Prerequisite:</i> 1Science and Algebra 1	Physics (1 Credit) <i>Recommended Prerequisite</i> Algebra 1 AND Anatomy & Physiology (1 Credit) <i>Recommended Prerequisite</i> 3 credits of science	Medical Microbiology and Pathophysiology (1 Credit) <i>Recommended Prerequisite:</i> 3 credits of science
Physics	Biology (1 Credit)	Chemistry (1 Credit) <i>Required Prerequisite:</i> 1Science and Algebra 1 AND AP Physics 1 (1 Credit) <i>Recommended Prerequisite:</i> Geometry	AP Physics 2 (1 Credit) <i>Recommended Prerequisite</i> <i>Physics and Pre-Calculus</i>	AP Physics C (1 Credit) <i>Recommended Prerequisite</i> <i>Physics and Pre-Calculus</i>
Space Science	Biology (1 Credit)	Chemistry (1 Credit) <i>Required Prerequisite:</i> 1Science and Algebra 1	Physics (1 Credit) <i>Recommended Prerequisite</i> Algebra 1 AND Earth and Space Science (1 Credit) <i>Recommended Prerequisite</i> 3 credits of science and math	Scientific Research and Design (1 Credit) <i>Required Prerequisite:</i> 1 credit of science OR Astronomy (1 Credit) <i>Recommended Prerequisite:</i> 1 credit of science
Veterinary Science	Biology (1 Credit)	Chemistry (1 Credit) <i>Required Prerequisite:</i> 1Science and Algebra 1	Physics (1 Credit) <i>Recommended Prerequisite</i> Algebra 1 AND Advanced Animal Science (1 Credit) <i>Recommended Prerequisite</i> <i>Biology and 1 science</i>	Scientific Research and Design (1 Credit) <i>Required Prerequisite:</i> 1 credit of science

Core Course Sequence	Language Arts	Math	Science	Social Studies	Electives
9th	English I	Algebra I	Biology	World Geography	Fine Arts (1 Credit)
10th	English II	Geometry	Chemistry	World History	World Languages (2 Credits)
11th	English III	Algebra II	Physics	U.S. History	
12th	Advanced English Course	Advanced 4th Math	Advanced 4th Science	Government / Economics	P.E. (1 Credit)
<i>Course sequence is dependent upon prior credits completed in middle school.</i>					21st Century Skills (.5 Credit)

BIOLOGY

GRADE: 9-11 CREDIT: 1

PEIMS: 03010200 KISD: 3103

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

GRADE: 9-11 CREDIT: 1

PEIMS: 03010200 KISD: 3113

RECOMMENDED PREREQUISITE: None
WEIGHTED: 10 pts.

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

GRADE: 10-12 CREDIT: 1

PEIMS: A3010200 KISD: 3123

RECOMMENDED PREREQUISITE: Biology,
Chemistry
WEIGHTED: 10 pts.

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

GRADE: 10-12 CREDIT: 1

PEIMS: 03040000 KISD: 3303

REQUIRED PREREQUISITE: 1 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

GRADE: 10-12 CREDIT: 1

PEIMS: 03040000 KISD: 3313

REQUIRED PREREQUISITE: 1 science and
Algebra I
WEIGHTED: 10 pts.

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. Students should expect a challenging Pre-AP curriculum with the expectation of moving on to AP Chemistry and taking the AP test.

AP CHEMISTRY

GRADE: 11-12 CREDIT: 1

PEIMS: A3040000 KISD: 3333

RECOMMENDED PREREQUISITE: Chemistry
WEIGHTED: 10 pts.

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

GRADE: 9-12 CREDIT: 1

PEIMS: 03050000 KISD: 3403

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.

AP PHYSICS 1

GRADE: 10-12 CREDIT: 1

PEIMS: A3050003 KISD: 3443

RECOMMENDED PREREQUISITE: Geometry
WEIGHTED: 10 pts.

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.**

AP PHYSICS 2

GRADE: 11-12 CREDIT: 1

PEIMS A3050004 KISD: 3453

RECOMMENDED PREREQUISITE: Physics and
concurrently in Pre-Calculus WEIGHTED: 10 pts.

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

GRADE: 11-12 CREDIT: 1

PEIMS: A3050002 KISD: 3433

RECOMMENDED PREREQUISITE: Physics and
concurrently in Pre-Calculus WEIGHTED: 10 pts.

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 mechanics and electromagnetism. 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

GRADE: 10-12 CREDIT: 1

PEIMS: 13037100 KISD: 3553

REQUIRED PREREQUISITE: 1 credit of science
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).

ADVANCED ANIMAL SCIENCE

GRADE: 11-12 CREDIT: 1

PEIMS: 13000700 KISD: 8151

RECOMMENDED PREREQUISITE: Biology
and 1 science

Advanced Animal Science. 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.

ANATOMY AND PHYSIOLOGY

GRADE: 11-12 CREDIT: 1

PEIMS: 13020600 KISD: 3203

RECOMMENDED PREREQUISITE: 3 credits of science.

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).

AQUATIC SCIENCE

GRADE: 10-12 CREDIT: 1

PEIMS: 03030000 KISD: 3513

RECOMMENDED PREREQUISITE: Chemistry
REQUIRED: Biology

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

GRADE: 11-12 CREDIT: 1

PEIMS: 03060100 KISD: 3503

RECOMMENDED PREREQUISITE: 1 credit in science

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

GRADE: 11-12 CREDIT: 1

PEIMS: 03060200 KISD: 3573

REQUIRED PREREQUISITE: 3 credits of science and math (one 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.

ENGINEERING DESIGN AND PROBLEM SOLVING

GRADE: 11-12 CREDIT: 1

PEIMS: 13037300 KISD: 8758

REQUIRED PREREQUISITE: Geometry, Algebra II, Chemistry, and Physics

Engineering design is the creative process of solving problems by identifying needs and then devising solutions. This solution may be a product, technique, structure, process, or many other things depending on the problem. Science aims to understand the natural world, while engineering seeks to shape this world to meet human needs and wants. Engineering design takes into consideration limiting factors or "design under constraint." Various engineering disciplines address a broad spectrum of design problems using specific concepts from the sciences and mathematics to derive a solution. The design process and problem solving are inherent to all engineering disciplines.

AP ENVIRONMENTAL SCIENCE

GRADE: 11-12 CREDIT: 1-

PEIMS: A3020000 KISD: 3543

RECOMMENDED PREREQUISITE: Biology, physical science, Algebra I
WEIGHTED: 10 pts.

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

GRADE: 10-12 CREDIT: 1

PEIMS: 03020000 KISD: 3533

RECOMMENDED PREREQUISITE: Biology and 1 credit of 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.

FOOD SCIENCE

GRADE: 11-12 CREDIT: 1

PEIMS: 13023000 KISD: 8048

RECOMMENDED PREREQUISITE: Principles of Hospitality and Tourism; REQUIRED: 3 credits of science

In Food Science students conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Food Science is the study of the nature of foods, the causes of deterioration, the principles underlying food processing, and the improvement of foods for the consuming public.

FORENSIC SCIENCE

GRADE: 11-12 CREDIT: 1

PEIMS: 13029500 KISD: 8833

RECOMMENDED PREREQUISITE: Principles of Law and Law Enforcement I
REQUIRED: Biology, 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

GRADE: 11-12 CREDIT: .5

PEIMS: 13020700 KISD: 8295

RECOMMENDED PREREQUISITE: 3 credits of science

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).

PATHOPHYSIOLOGY

GRADE: 11-12 CREDIT: .5

PEIMS: 13020800 KISD: 8296

RECOMMENDED PREREQUISITE: 3 credits of science

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).

S C I E N T I F I C
R E S E A R C H A N D
D E S I G N

GRADE: 11-12

CREDIT: 1

PEIMS: 13037200

KISD: 3563

REQUIRED PREREQUISITE: 1 credit of high school science

Science, as defined by the National Academy of Sciences, is the "use of evidence to construct testable explanations and predictions of natural phenomena, as well as the knowledge generated through this process." Physical, mathematical, and conceptual models describe this vast body of changing and increasing knowledge. Scientific inquiry is the planned and deliberate investigation of the natural world. Scientific methods of investigation are experimental, descriptive, or comparative. The method chosen should be appropriate to the question being asked. Scientific decision-making is a way of answering questions about the natural world. Students should be able to distinguish between scientific decision-making methods (scientific methods) and ethical and social decisions that involve science (the application of scientific information). 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).

Endorsement: Science, Technology, Engineering & Math

Pathway: Technology

Program of Study Course Sequence	9th Grade	10th Grade	11th Grade	12th Grade
Computer Science	Computer Science 1 PAP (1 Credit)	AP Computer Science (1 Credit) <i>Recommended Prerequisite: Computer Science 1 and Algebra 2</i>	Mobile Application Development (1 Credit) OR Video Game Design (1 Credit) <i>Recommended Prerequisite: Computer Science 1</i>	Research in Information Technology Solutions 1 (2 Credits) <i>Recommended Prerequisite: 2 credits of advanced technology courses</i>
Computer Maintenance	Principles of Information Technology (.5 Credit)	Computer Maintenance (1 Credit) <i>Recommended Prerequisite: Principles of Information Technology</i>	Computer Technician (2 Credits) <i>Recommended Prerequisite: Computer Maintenance</i>	Research in Information Technology Solutions 1 (2 Credits) <i>Recommended Prerequisite: 2 credits of advanced technology courses</i>
Internetworking	Principles of Information Technology (.5 Credit)	Telecommunications & Networking (1 Credit) <i>Recommended Prerequisite: Principles of Information Technology</i>	Internetworking Technologies 1 (2 Credits) <i>Recommended Prerequisite: Principles of Information Technology</i>	Internetworking Technologies 2 (2 Credits) <i>Recommended Prerequisite: Internetworking Technologies 1</i>
Web Technology	Principles of Information Technology (.5 Credit)	Digital and Interactive Media (1 Credit) <i>Recommended Prerequisite: Principles of Information Technology</i>	Web Technologies (1 Credit) <i>Recommended Prerequisite: Principles of Information Technology</i>	Research in Information Technology Solutions 1 (2 Credits) <i>Recommended Prerequisite: 2 credits of advanced technology courses</i>

Core Course Sequence	Language Arts	Math	Science	Social Studies	Electives
9th	English I	Algebra I	Biology	World Geography	Fine Arts (1 Credit)
10th	English II	Geometry	Chemistry	World History	World Languages (2 Credits)
11th	English III	Algebra II	Physics	U.S. History	
12th	Advanced English Course	Advanced 4th Math	Advanced 4th Science	Government / Economics	P.E. (1 Credit)
<i>Course sequence is dependent upon prior credits completed in middle school.</i>					21st Century Skills (.5 Credit)

COMPUTER SCIENCE I PRE - AP

GRADE: 9-12 CREDIT: 1

PEIMS: 03580200 KISD: 8503

RECOMMENDED PREREQUISITE: Algebra I

The technology applications curriculum has six strands based on the National Educational Technology Standards for Students (NETS•S) and performance indicators developed by the International Society for Technology in Education (ISTE): creativity and innovation; communication and collaboration; research and information fluency; critical thinking, problem solving, and decision making; digital citizenship; and technology operations and concepts.

AP COMPUTER SCIENCE

GRADE: 11-12 CREDIT: 1

PEIMS: A3580100 KISD: 8513

RECOMMENDED PREREQUISITE Computer
Science I and Algebra II: WEIGHTED: 10 pts.

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.**

MOBILE APPLICATION DEVELOPMENT

GRADE: 11-12 CREDIT: 1

PEIMS: 03580390 KISD: 8544

RECOMMENDED PREREQUISITE: Computer
Science I

Mobile Application Development will foster students' creativity and innovation by presenting opportunities to design, implement, and deliver projects using mobile computing devices. Through data analysis, students will identify task requirements, plan search strategies, and use software development concepts to access, analyze, and evaluate information needed to program mobile devices.

VIDEO GAME DESIGN

GRADE: 10-12 CREDIT: 1

PEIMS: N1300993 KISD: 8714

RECOMMENDED PREREQUISITE: Computer
Science I

The student will be provided the opportunity to design, program, and create a functional video game. The course will introduce basic programming language and skills that are essential to developing a video game. Topics covered are math, physics, design, and computer programming.

PROBLEMS AND SOLUTIONS

GRADE: 11-12 CREDIT: 1

PEIMS: 12701500 KISD: 8205

PREREQUISITE: None

Problems and Solutions is a project-based research course for students who have the ability to research a real-world problem. Students develop a project on a topic related to career interests, use scientific methods of investigation to conduct in-depth research, are matched with a mentor from the business or professional community, compile findings, and present their findings to an audience that includes experts in the field. To attain academic success, students must have opportunities to learn, reinforce, apply, and transfer their knowledge, skills, and technologies in a variety of settings. This course is designed to provide students an opportunity to earn one advanced measure for the Distinguished Achievement Program.

PRINCIPLES OF INFORMATION TECHNOLOGY

GRADE: 9-11 CREDIT: .5

PEIMS: 13027200 KISD: 8740

RECOMMENDED PREREQUISITE: None

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.

COMPUTER MAINTENANCE

GRADE: 10-12 CREDIT: 1

PEIMS: 13027200 KISD: 8741
RECOMMENDED PREREQUISITE: Principles of
Information Technology

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.

COMPUTER TECHNICIAN

GRADE: 11-12 CREDIT: 2

PEIMS: 13027500 KISD: 8746
RECOMMENDED PREREQUISITE: Computer
Maintenance

Students gain knowledge and skills in the area of computer technologies, including advanced knowledge of electrical and electronic theory, computer principles, and components related to the installation, diagnosis, service, and repair of computer-based technology systems. Students will reinforce, apply, and transfer their knowledge and skills to a variety of settings and problems. Proper use of analytical skills and application of information technology concepts and standards are essential to prepare students for success in a technology-driven society. The critical thinking, information technology experience, and product development may be conducted either in a classroom setting with an instructor, with an industry mentor, or both.

RESEARCH IN INFORMATION TECHNOLOGY SOLUTIONS I

GRADE: 12 CREDIT: 3

PEIMS: 13028000 KISD: 8748
RECOMMENDED PREREQUISITE: 2 credits of
Advanced Technology Courses

Students gain advanced knowledge and skills in the application, design, production, implementation, maintenance, evaluation, and assessment of products, services, and systems. Knowledge and skills in the proper use of analytical skills and application of information technology concepts and standards are essential to prepare students for success in a technology-driven society. Critical thinking, information technology experience, and product development may be conducted in a classroom setting with an industry mentor, as an unpaid internship, or as career preparation.

TELE - COMMUNICATIONS AND NETWORKING

GRADE: 10-12 CREDIT: 1

PEIMS: 13027400 KISD: 8747
RECOMMENDED PREREQUISITE: Principles of
Information Technology

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.

INTERNETWORKING TECHNOLOGIES I

GRADE: 11-12 CREDIT: 2

PEIMS: N1302803 KISD: 8743
RECOMMENDED PREREQUISITE: Principles of
Information Technology

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.

INTERNETWORKING TECHNOLOGIES II

GRADE: 11-12 CREDIT: 2

PEIMS: N1302804 KISD: 8744
RECOMMENDED PREREQUISITE:
Internetworking Technologies I

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.

DIGITAL AND
INTERACTIVE
MEDIA

GRADE: 10-12 CREDIT: 1

PEIMS: 13027800 KISD: 8742
RECOMMENDED PREREQUISITE: Principles of
Information Technology

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, and computing, communication and critical thinking and apply them to the information technology environment.

WEB
TECHNOLOGIES

GRADE: 11-12 CREDIT: 1

PEIMS: 13027900 KISD: 8543
RECOMMENDED PREREQUISITE: Principles
of Information Technology

Through the study of web technologies and design, students learn to make informed decisions and apply the decisions to the field of information technology. 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.

Endorsement: Science, Technology, Engineering & Math
Pathway: Engineering

Program of Study Course Sequence	9th Grade	10th Grade	11th Grade	12th Grade
<i>Aerospace Engineering</i>	Concepts of Engineering and Technology (1 Credit)	Principles of Engineering (1 Credit) <i>Recommended Prerequisite</i> <i>Concepts of Engineering and Technology</i>	Scientific Research and Design: Aerospace Engineering (1 Credit) <i>Recommended Prerequisite</i> <i>Principles of Engineering</i>	Engineering Design and Problem Solving (1 Credit) <i>Recommended Prerequisite</i> <i>3 credits of Engineering courses</i>
<i>Digital Electronics</i>	Concepts of Engineering and Technology (1 Credit)	Principles of Engineering (1 Credit) <i>Recommended Prerequisite</i> <i>Concepts of Engineering and Technology</i>	Digital Electronics (1 Credit) <i>Recommended Prerequisite:</i> <i>Principles of Engineering</i>	Engineering Design and Problem Solving (1 Credit) <i>Recommended Prerequisite</i> <i>3 credits of Engineering courses</i>
<i>Robotics</i>	Concepts of Engineering and Technology (1 Credit)	Principles of Engineering (1 Credit) <i>Recommended Prerequisite</i> <i>Concepts of Engineering and Technology</i>	Robotics and Automation (1 Credit) <i>Recommended Prerequisite:</i> <i>Principles of Engineering</i>	Engineering Design and Problem Solving (1 Credit) <i>Recommended Prerequisite</i> <i>3 credits of Engineering courses</i>

Core Course Sequence	Language Arts	Math	Science	Social Studies	Electives
9th	English I	Algebra I	Biology	World Geography	Fine Arts (1 Credit)
10th	English II	Geometry	Chemistry	World History	World Languages (2 Credits)
11th	English III	Algebra II	Physics	U.S. History	P.E. (1 Credit)
12th	Advanced English Course	Advanced 4th Math	Advanced 4th Science	Government / Economics	21st Century Skills (.5 Credit)
<i>Course sequence is dependent upon prior credits completed in middle school.</i>					

CONCEPTS OF ENGINEERING AND TECHNOLOGY

GRADE: 9-10 CREDIT: 1

PEIMS: 13036200 KISD: 8755

RECOMMENDED PREREQUISITE: None

Concepts of Engineering and Technology provides an overview of the various fields of science, technology, engineering, and mathematics and their interrelationships. Students will use a variety of computer hardware and software applications to complete assignments and projects. Upon completing this course, students will have an understanding of the various fields and will be able to make informed decisions regarding a coherent sequence of subsequent courses. Further, students will have worked on a design team to develop a product or system. Students will use multiple software applications to prepare and present course assignments.

PRINCIPLES OF ENGINEERING

GRADE: 10-12 CREDIT: 1

PEIMS: 13037500 KISD: 8764

RECOMMENDED PREREQUISITE: Concepts of Engineering and Technology

Principles of Engineering is an engineering survey course designed to expose students to some of the major concepts that they will encounter in a postsecondary engineering course of study. Students have an opportunity to investigate engineering and high-tech careers. In Principles of Engineering, students will employ engineering and scientific concepts in the solution of engineering design problems. Students will develop problem-solving skills and apply their knowledge of research and design to create solutions to various challenges. Students will also learn how to document their work and communicate their solutions to their peers and members of the professional community.

BIOTECHNOLOGY ENGINEERING

GRADE: 10-12 CREDIT: 1

PEIMS: N1303746 KISD: 8762

RECOMMENDED PREREQUISITE: Introduction to Engineering Design

The major focus of this course is to expose students to the diverse fields of biotechnology including biomedical engineering, molecular genetics, bioprocess engineering, and agricultural and environmental engineering.

SCIENTIFIC RESEARCH AND DESIGN: AEROSPACE ENGINEERING

GRADE: 11-12 CREDIT: 1

PEIMS: 13037200 KISD: 8756

RECOMMENDED PREREQUISITE: Principles of Engineering

This 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.

DIGITAL ELECTRONICS

GRADE: 11-12 CREDIT: 1

PEIMS: 13037600 KISD: 8751

RECOMMENDED PREREQUISITE: Principles of Engineering

Digital Electronics is the study of electronic circuits that are used to process and control digital signals. In contrast to analog electronics, where information is represented by a continuously varying voltage, digital signals are represented by two discrete voltages or logic levels. This distinction allows for greater signal speed and storage capabilities and has revolutionized the world of electronics. Digital electronics is the foundation of modern electronic devices such as cellular phones, MP3 players, laptop computers, digital cameras, and high-definition televisions. The primary focus of Digital Electronics is to expose students to the design process of combinational and sequential logic design, teamwork, communication methods, engineering standards, and technical documentation.

ROBOTICS AND AUTOMATION

GRADE: 11-12 CREDIT: 1

PEIMS: 13037000 KISD: 8757

RECOMMENDED PREREQUISITE: Concepts of
Engineering and Technology

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.

ENGINEERING DESIGN AND PROBLEM SOLVING

GRADE: 12 CREDIT: 1

PEIMS: 13037300 KISD: 8758

RECOMMENDED PREREQUISITE: 3 years of
Engineering courses

Engineering design is the creative process of solving problems by identifying needs and then devising solutions. This solution may be a product, technique, structure, process, or many other things depending on the problem. Science aims to understand the natural world, while engineering seeks to shape this world to meet human needs and wants. Engineering design takes into consideration limiting factors or "design under constraint." Various engineering disciplines address a broad spectrum of design problems using specific concepts from the sciences and mathematics to derive a solution. The design process and problem solving are inherent to all engineering disciplines.

Endorsement: Science, Technology, Engineering & Math
Pathway: Math

Program of Study Course Sequence	9th Grade	10th Grade	11th Grade	12th Grade
Calculus	Algebra 1 (1 Credit)	Geometry (1 Credit) AND Algebra 2 (1 Credit)	Pre-Calculus (1 Credit)	Calculus (1 Credit)
	Geometry (1 Credit) *Student took Algebra 1 in MS.	Algebra 2 (1 Credit)		
Statistics	Algebra 1 (1 Credit)	Geometry (1 Credit)	Algebra 2 (1 Credit) AND Statistics and Risk Management (1 Credit)	AP Statistics (1 Credit)
Engineering Math	Algebra 1 (1 Credit)	Geometry (1 Credit)	Algebra 2 (1 Credit) AND Statistics and Risk Management (1 Credit)	Engineering Math (1 Credit)

Core Course Sequence	Language Arts	Math	Science	Social Studies	Electives
9th	English I	Algebra I	Biology	World Geography	Fine Arts (1 Credit) World Languages (2 Credits) P.E. (1 Credit) 21st Century Skills (.5 Credit)
10th	English II	Geometry	Chemistry	World History	
11th	English III	Algebra II	Physics	U.S. History	
12th	Advanced English Course	Advanced 4th Math	Advanced 4th Science	Government / Economics	
<i>Course sequence is dependent upon prior credits completed in middle school.</i>					

A L G E B R A I

GRADE: 9 CREDIT: 1

PEIMS: 03100500 KISD: 2003

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.

A L G E B R A I P R E - A P

GRADE: 9 CREDIT: 1

PEIMS: 03100500 KISD: 2013

PREREQUISITE: WEIGHTED: 10 pts.

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 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.

G E O M E T R Y

GRADE: 9-12 CREDIT: 1

PEIMS: 03100700 KISD: 2213

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.

G E O M E T R Y P R E - A P

GRADE: 9-12 CREDIT: 1

PEIMS: 03100700 KISD: 2223

PREREQUISITE: WEIGHTED: 10 pts.

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

GRADE: 10-12 CREDIT: 1

PEIMS: 03100600 KISD: 2043

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

GRADE: 10-12 CREDIT: 1

PEIMS: 03100600 KISD: 2033

PREREQUISITE: Algebra I
WEIGHTED: 10 pts.

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.

PRE - CALCULUS

GRADE: 10-12 CREDIT: 1

PEIMS: 03101100 KISD: 2303

PREREQUISITE: Algebra I,II, and Geometry

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

GRADE: 10-12 CREDIT: 1

PEIMS: 03101100 KISD: 2313

PREREQUISITE: Algebra I,II, and Geometry
WEIGHTED: 10 pts.

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 ON RAMP
(MATH 2312)**

GRADE: 10-12	CREDIT: 1
PEIMS: 03101100	KISD: 2314
PREREQUISITE: Algebra I,II, and Geometry	

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.

CALCULUS

GRADE: 11-12	<input checked="" type="checkbox"/>	CREDIT: 1
PEIMS: 03102500		KISD: 2322
RECOMMENDED PREREQUISITE: Pre-Calculus Pre-AP		WEIGHTED: 10 pts.

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

GRADE: 12	<input checked="" type="checkbox"/>	CREDIT: 1
PEIMS: A3100101		KISD: 2333
RECOMMENDED PREREQUISITE: Pre-Calculus Pre-AP		WEIGHTED: 10 pts.

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

GRADE: 12	<input checked="" type="checkbox"/>	CREDIT: 1
PEIMS: A3100102		KISD: 2343
RECOMMENDED PREREQUISITE: Pre-Calculus Pre-AP		WEIGHTED: 10 pts.

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.**

**ENGINEERING
MATHEMATICS**

GRADE: 10-12	CREDIT: 1
PEIMS: 13036700	KISD: 8759
PREREQUISITE: Algebra II	

Engineering Mathematics is a course where students solve and model robotic design problems. Students use a variety of mathematical methods and models to represent and analyze problems involving data acquisition, spatial applications, electrical measurement, manufacturing processes, materials engineering, mechanical drives, pneumatics, process control systems, quality control, and robotics with computer programming.

**ADVANCED
QUANTITATIVE
REASONING**

GRADE: 11-12	CREDIT: 1
PEIMS: 03102510	KISD: 2423
PREREQUISITE: Algebra II	

Advanced Quantitative Reasoning must be taken after Algebra II to receive mathematics credit. AQR is a capstone mathematics course that follows Algebra I, Geometry, and Algebra II as a viable fourth year mathematics course. It builds on and extends what students have learned and covers other mathematics topics not typically taught in high school. The course does not remediate skills, but reinforces needed skills as students study new topics in relevant, engaging contexts. The course emphasizes statistics and financial applications, and it prepares students to use algebra, geometry, trigonometry, and discrete mathematics to model a range of situations and solve problems. The course also helps students develop college and career skills such as collaborating, conducting research, and making presentations.

STATISTICS AND RISK MANAGEMENT

GRADE: 11-12

CREDIT: 1

PEIMS: 13016900

KISD: 8333

RECOMMENDED PREREQUISITE: Accounting I and 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.

AP STATISTICS

GRADE: 10-12



CREDIT: 1

PEIMS: A3100200

KISD: 2403

RECOMMENDED PREREQUISITE:

Algebra II and Geometry WEIGHTED: 10 pts.

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.**

Virtual Courses

Virtual Career and Technology Courses			
Course Name	Credits	Grade Levels	Recommended Prerequisites
Principles of Arts, A/V and Communications	.5	9-11	None
Principles of Business, Marketing, and Finance	.5	9-11	None
Principles of Health Science	.5	9-11	None
Principles of Hospitality and Tourism	.5	9-11	None
Principles of Human Services	.5	9-11	None
Principles of Law Enforcement and Public Safety	.5	9-11	None
Virtual World Language Courses			
French 1	1	9-12	None
French 2	1	9-12	French 1
German 1	1	9-12	None
German 2	1	9-12	German 1
Latin 1	1	9-12	None
Latin 2	1	9-12	Latin 1
Spanish 1	1	9-12	None
Spanish 2	1	9-12	Spanish 1

The Keller ISD Virtual Learning program is designed to address the needs of students by providing opportunities to complete foundation courses in CTE pathways, accelerate their completion of language acquisition courses, and prepare them for success in online coursework as they continue their education past high school. Courses offered include French, German, Latin, and Spanish for 8th graders, as well as 10 Career & Technology (CTE) principles classes. Students must comply with the grading guidelines of the online program.

Career Preparation

Course Name	Credits	Grade Levels	Recommended Prerequisites
Career Preparation I and II	3	11-12	Teacher Approval and Completion of Application Process

CAREER PREPARATION I - II			
GRADE: 11-12		CREDIT: 3	
PEIMS: 12701300	I	KISD: 8201	
PEIMS: 12701400	II	KISD: 8211	
REQUIRED PREREQUISITE: Teacher Approval and Completion of Application Process			

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.

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; 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 - II

GRADE: 9-12 CREDIT: 1

PEIMS: N1290001 I KISD: 5762

PEIMS: N1290002 II KISD: 5763

PREREQUISITE: Application process

An elective course designed for students who are college bound. Students learn strategies to ensure success in rigorous college-preparatory course work. The AVID curriculum focuses on writing, inquiry, collaboration, organization and reading (WICOR) through both teacher-led and tutor-led activities. AVID students learn to work cooperatively as a support system for each other and gain confidence in their own abilities while learning to assist their peers. Time management techniques and personal organization and study skills are also developed.

AVID III

GRADE: 11-12 CREDIT: 1

PEIMS: N1290030 KISD: 5764

PREREQUISITE: Previous enrollment in AVID elective class prior to grade 11 for at least one year.

CO-REQUISITE: Enrollment in at least one honor, Advanced Placement, or International Baccalaureate course or in a college-transferable course in both the 11th and 12th grade years.

AVID elective courses at all grade levels are designed to prepare students for entrance into four-year colleges and universities. The courses emphasize rhetorical reading, analytical writing, collaborative discussion strategies, tutorial inquiry study groups, and preparation for college entrance and placement exams, college study skills and test taking strategies, note taking and research. AVID students, generally, come from groups underrepresented at our four-year colleges and universities. They are enrolled in a rigorous academic program while being given a support system in the AVID classes through tutorials, coaching in note taking, organization and study skills, analytical writing, collaborative work and college counseling.

AVID IV

GRADE: 12 CREDIT: 1

PEIMS: N1290033 KISD: 5766

PREREQUISITE: Previous enrollment in AVID elective class prior to grade 12 for at least one year.

CO-REQUISITE: Enrollment in at least one honor, Advanced Placement, or International Baccalaureate course or in a college-transferable course in both the 11th and 12th grade years.

AVID elective courses at all grade levels are designed to prepare students for entrance into four-year colleges and universities. The courses emphasize rhetorical reading, analytical writing, collaborative discussion strategies, tutorial inquiry study groups, and preparation for college entrance and placement exams, college study skills and test taking strategies, note taking and research. AVID students, generally, come from groups underrepresented at our four-year colleges and universities. They are enrolled in a rigorous academic program while being given a support system in the AVID classes through tutorials, coaching in note taking, organization and study skills, analytical writing, collaborative work and college counseling.

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
Health Education	.5	9-12	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**

GRADE: 9-12 CREDIT: 1

PEIMS: N1290309 I KISD: 1180

PEIMS: N1290313 II KISD: 1181

PEIMS: N1290317 III KISD: 1189

PEIMS: N1290318 IV KISD: 1190

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

WEIGHTED: 10 pts. For Levels III and IV

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.

**HEALTH
EDUCATION**

GRADE: 9-12 CREDIT: .5

PEIMS: 03810100 KISD: 5001

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.

**STUDENT
LEADERSHIP I**

GRADE: 9-12 CREDIT: 1

PEIMS: N1290010 I KISD: 1183

**STUDENT
LEADERSHIP II**

GRADE: 10-12 CREDIT: 1
(Local)

PEIMS: 85000300 II KISD: 1184

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

GRADE: 10-12 CREDIT: .5
(Local)

PEIMS: 85000001 KISD: 1191

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**

GRADE: 12 CREDIT: 0

PEIMS KISD: 9803

REQUIRED 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. Students will receive a "P" or "F" for the course, and it will not be calculated into the grade point average.

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 1	English 2	English 3	English 4
Modified Math	Algebra 1	Geometry	Math Models	Algebra 2
Science	IPC	Biology	Chemistry	Physics
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			
21st Century Skills	Professional Communications or Entrepreneurship			
Electives	All modified students have access to all general education electives			
Modified Electives	Career Preparation modified is taught by a SPED teacher.	Career Preparation I	Career Preparation II	

ENGLISH LANGUAGE ARTS

E N G L I S H I M O D I F I E D

GRADE: 9	CREDIT: 1
PEIMS: 03220105	KISD: M1003
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.

E N G L I S H II M O D I F I E D

GRADE: 10	CREDIT: 1
PEIMS: 03220205	KISD: M1033
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**

GRADE: 11 CREDIT: 1

PEIMS: 03220305 KISD: M1063

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**

GRADE: 12 CREDIT: 1

PEIMS: 03220400 KISD: M1093

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**

GRADE: 9 CREDIT: 1

PEIMS: 03100505 KISD: M2003

PREREQUISITE: ARD Decision

Algebra I Modified is designed for students to learn the skills and application of Algebra I through modified and accommodated curriculum. Algebra I 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**

GRADE: 10 CREDIT: 1

PEIMS: 03100705 KISD: M2213

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**

GRADE: 11 CREDIT: 1

PEIMS: 03102400 KISD: M2123

PREREQUISITE: ARD Decision

Math Models with Applications Modified is designed for students to continue to build on the K-8 and Algebra I 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.

**A L G E B R A I I
M O D I F I E D**

GRADE: 12 CREDIT: 1

PEIMS: 03100605 KISD: M2043

PREREQUISITE: ARD Decision

Algebra II Modified is designed for students to build on Algebra I 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.

**C A R E E R
P R E P A R A T I O N I , I I
M O D I F I E D**

GRADE: 11-12 CREDIT: 3

PEIMS: 13025000 I KISD: M8028

PEIMS: 13025010 II KISD: M8029

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.

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

Subject Area	Freshman	Sophomore	Junior	Senior
Alternate English	English 1	English 2	English 3	English 4
Alternate Math	Algebra 1	Geometry	Math Models	Algebra 2
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 21st Century Skills	Professional Communications or Entrepreneurship			
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 I ALTERNATE

GRADE: 9	CREDIT: 1
PEIMS: 03220107	KISD: T1003
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

GRADE: 10	CREDIT: 1
PEIMS: 03220207	KISD: T1033
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

GRADE: 11	CREDIT: 1
PEIMS: 03220307	KISD: T1063
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**

GRADE: 12 CREDIT: 1

PEIMS: 03220400 KISD: T1093

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**

GRADE: 12 CREDIT: 1

PEIMS: 03221800 KISD: T1133

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**

GRADE: 9-12 CREDIT: .5

PEIMS: 13009900 KISD: T1465

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.

**ALGEBRA I
ALTERNATE**

GRADE: 9 CREDIT: 1

PEIMS: 03100507 KISD: T2003

PREREQUISITE: ARD Decision

This course meets the individual learning requirements of students by focusing on Recommended Prerequisite skills for the grade level Algebra I TEKS. Algebra I 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 I 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 I standards in depth, as it is a foundation for other math courses.

**GEOMETRY
ALTERNATE**

GRADE: 10 CREDIT: 1

PEIMS: 03100707 KISD: T2213

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 geo-matric 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

GRADE: 11 CREDIT: 1

PEIMS: 03102400 KISD: T2123

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

GRADE: 12 CREDIT: 1

PEIMS: 03100607 KISD: T2043

PREREQUISITE: ARD Decision

Algebra II Alternate is designed for students to build on Algebra I 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

GRADE: 12 CREDIT: 1

PEIMS: 03102500 KISD: T2501

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.

SOCIAL STUDIES

WORLD GEOGRAPHY
ALTERNATE

GRADE: 9 CREDIT: 1

PEIMS: 03320107 KISD: T4203

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

GRADE: 10 CREDIT: 1

PEIMS: 03340407 KISD: T4103

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.

**U . S . HISTORY
ALTERNATE**

GRADE: 11 CREDIT: 1

PEIMS: 03340107 KISD: T4003

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**

GRADE: 12 CREDIT: .5

PEIMS: 03330100 GOVT KISD: T4301

PEIMS: 03310300 ECO KISD: T4302

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.

SCIENCE

**INTEGRATED
PHYSICS AND
CHEMISTRY
ALTERNATE**

GRADE: 9-12 CREDIT: 1

PEIMS: 03060201 KISD: T3003

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**

GRADE: 9-12 CREDIT: 1

PEIMS: 03010207 KISD: T3103

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
ALTERNATE**

GRADE: 9-12 CREDIT: 1

PEIMS: 03040007 KISD: T3303

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

GRADE: 9-12 CREDIT: 1

PEIMS: 03050007 KISD: T3403

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.

ALTERNATE ELECTIVES

ACTIVITIES FOR DAILY LIVING (ADL) I-IV

GRADE: 9-12 CREDIT: 0

PEIMS: 95000003 I KISD: 900

PEIMS: 95000004 II KISD: 901

PEIMS: 95000005 III KISD: 902

PEIMS: 95000006 IV KISD: 903

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

GRADE: 9-12 CREDIT: .5

PEIMS: 03810200 KISD: T5003

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

GRADE: 9-12 CREDIT: 1

PEIMS: 03152500 I KISD: T2750

PEIMS: 03152600 II KISD: T2751

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

GRADE: 9-12 CREDIT: .5

PEIMS: 03500100 KISD: T7403

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

GRADE: 10-12 CREDIT: 0

PEIMS: 95000007 I KISD: 936

PEIMS: 95000008 II KISD: 937

PEIMS: 95000009 III KISD: 938

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

GRADE: 9-12 CREDIT: .5

PEIMS: 03810100 KISD: T5001

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

GRADE: 9-12 CREDIT: 1

PEIMS: 03580900 KISD: T8603

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

GRADE: 9-12 CREDIT: .5

PEIMS: PES00055 KISD: T50304

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		
GRADE: 9-12		CREDIT: 0
PEIMS: 95000001	I	KISD: 964
PEIMS: 95000002	II	KISD: 965
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		
GRADE: 11-12		CREDIT: 3
PEIMS: 13025000	I	KISD: T8028
PEIMS: 13025010	II	KISD: T8029
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		
GRADE: 9-12		CREDIT: 1
PEIMS: 13011300		KISD: T8301
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.

ADULT TRANSITION

ADULT TRANSITION LAB (ADL) I - II		
GRADE: 12+		CREDIT: 0
PEIMS: 95000028	I	KISD: 990
PEIMS: 95000029	II	KISD: 991
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 A – Students who entered High School Prior to 2014-2015

This appendix defines courses that may be taken as substitutions for other courses as listed in the graduation requirements overview. It also defines what classes count for PE and fine arts credits. Elective requirements are not listed.

Minimum	Recommended	Distinguished Achievement
<p>English- 4 credits <i>Three credits must consist of English I, English II, and English III. The final credit may be selected from one full or two half credits from the following courses:</i></p> <ul style="list-style-type: none"> • Creative Writing • Practical Writing Skills • Literary Genres • Business English • Journalism • AP English Language and Composition • AP English Literature and Composition 	<p>English- 4 credits <i>Four credits must consist of English I, English II, English III, and English IV.</i></p>	<p>English- 4 credits <i>Four credits must consist of English I, English II, English III, and English IV.</i></p>
<p>Mathematics- 3 credits <i>Two credits must consist of Algebra I and Geometry. The final credit may be selected from one full or two half credits from the following courses:</i></p> <ul style="list-style-type: none"> • Algebra II • Pre-Calculus • Mathematical Models with Applications • Advanced Quantitative Reasoning • AP Statistics • AP Calculus AB • AP Calculus BC • AP Computer Science • Statistics and Risk Management 	<p>Mathematics-4 credits <i>Three of the credits must consist of Algebra I, Algebra II, and Geometry. The final credit may be selected from the following courses:</i></p> <ul style="list-style-type: none"> • Mathematical Models with Applications (<i>completed prior to Algebra II</i>) • Pre-Calculus • Advanced Quantitative Reasoning (<i>completed after Algebra II</i>) • AP Statistics • AP Calculus AB • AP Calculus BC • AP Computer Science <p><i>The following course for the fourth math credit must be taken after Algebra I and Geometry and either after successful completion of or concurrently with Algebra II:</i></p> <ul style="list-style-type: none"> • Statistics and Risk Management 	<p>Mathematics-4 credits <i>Three of the credits must consist of Algebra I, Algebra II, and Geometry. The final credit may be selected from the following courses after successful completion of Algebra I, Algebra II, and Geometry:</i></p> <ul style="list-style-type: none"> • Pre-Calculus • Advanced Quantitative Reasoning (<i>completed after Algebra II</i>) • AP Statistics • AP Calculus AB • AP Calculus BC • AP Computer Science <p><i>The following course for the fourth math credit must be taken after Algebra I and Geometry and either after successful completion of or concurrently with Algebra II:</i></p> <ul style="list-style-type: none"> • Statistics and Risk Management

<p>Science- 2 credits <i>The credits must consist of:</i></p> <ul style="list-style-type: none"> • Biology • Integrated Physics <p><i>The student may substitute a chemistry credit or a physics credit and then must use the second of these two courses as an academic elective:</i></p> <ul style="list-style-type: none"> • Chemistry (or AP Chemistry) • Physics (or Principles of Technology or AP Physics) 	<p>Science- 4 credits <i>Three of the credits must consist of:</i></p> <ul style="list-style-type: none"> • Biology (or AP Biology) • Chemistry (or AP Chemistry) • Physics (or Principles of Technology or AP Physics) <p><i>The additional credit may be IPC and it must be completed prior to Chemistry and Physics.</i></p> <p><i>The fourth credit may be selected from the following laboratory based courses:</i></p> <ul style="list-style-type: none"> • Aquatic Science • Astronomy • Earth and Space Science • Environmental Systems • AP Biology • AP Chemistry • AP Physics B • AP Physics C • AP Environmental Science <p><i>The additional credit may be selected from the following laboratory based courses and may be taken after the successful completion of biology and chemistry and either after the successful completion of or concurrently with physics:</i></p> <ul style="list-style-type: none"> • Scientific Research and Design • Anatomy and Physiology • Medical Microbiology • Pathophysiology • Advanced Biotechnology • Forensic Science 	<p>Science- 4 credits <i>Three of the credits must consist of:</i></p> <ul style="list-style-type: none"> • Biology (or AP Biology) • Chemistry (or AP Chemistry) • Physics (or AP Physics) <p><i>The fourth credit may be selected from the following laboratory based courses:</i></p> <ul style="list-style-type: none"> • Aquatic Science • Astronomy • Earth and Space Science • Environmental Systems • AP Biology • AP Chemistry • AP Physics B • AP Physics C • AP Environmental Science <p><i>The additional credit may be selected from the following laboratory based courses and may be taken after the successful completion of biology and chemistry and either after the successful completion of or concurrently with physics:</i></p> <ul style="list-style-type: none"> • Scientific Research and Design • Anatomy and Physiology • Engineering Design and Problem Solving • Medical Microbiology • Pathophysiology • Advanced Biotechnology • Forensic Science
<p>Social Studies- 3 credits <i>Two of the credits must consist of:</i></p> <ul style="list-style-type: none"> • United States History • United States Government (.5 credit) • Economics with Emphasis on the Free Enterprise System and Its Benefits (.5 credit) <p><i>The final credit may be selected from the following courses:</i></p> <ul style="list-style-type: none"> • World History Studies • World Geography Studies 	<p>Social Studies- 4 credits <i>The credits must consist:</i></p> <ul style="list-style-type: none"> • <i>World History Studies,</i> • <i>World Geography Studies,</i> • <i>United States History Studies since 1877,</i> • <i>United States Government (.5 credit)</i> • <i>Economics with Emphasis on the Free Enterprise System and Its Benefits (.5 credit)</i> 	<p>Social Studies- 4 credits <i>The credits must consist:</i></p> <ul style="list-style-type: none"> • <i>World History Studies,</i> • <i>World Geography Studies,</i> • <i>United States History Studies since 1877,</i> • <i>United States Government (.5 credit)</i> • <i>Economics with Emphasis on the Free Enterprise System and Its Benefits (.5 credit)</i>

	<p>Languages Other than English- 2 credits (in the same language)</p> <ul style="list-style-type: none"> American Sign Language French German Latin Spanish 	<p>Languages Other than English- 3 credits (in the same language)</p> <ul style="list-style-type: none"> American Sign Language French German Latin Spanish
<p>Physical Education- 1 credit <i>The required credit may be selected from any combination of the following ½ to one credit courses:</i></p> <ul style="list-style-type: none"> Foundations of Personal Fitness Adventure/Outdoor Education Aerobic Activities Team or Individual Sports Athletics JROTC 1 <p><i>PE substitution – may receive up to one substitution credit for participating in any one of the courses below:</i></p> <ul style="list-style-type: none"> Drill Team Marching Band Cheerleading 	<p>Physical Education- 1 credit <i>The required credit may be selected from any combination of the following ½ to one credit courses:</i></p> <ul style="list-style-type: none"> Foundations of Personal Fitness Adventure/Outdoor Education Aerobic Activities Team or Individual Sports Athletics JROTC 1 <p><i>PE substitution – may receive up to one substitution credit for participating in any one of the courses below:</i></p> <ul style="list-style-type: none"> Drill Team Marching Band Cheerleading 	<p>Physical Education- 1 credit <i>The required credit may be selected from any combination of the following ½ to one credit courses:</i></p> <ul style="list-style-type: none"> Foundations of Personal Fitness Adventure/Outdoor Education Aerobic Activities Team or Individual Sports Athletics JROTC 1 <p><i>PE substitution – may receive up to one substitution credit for participating in any one of the courses below:</i></p> <ul style="list-style-type: none"> Drill Team Marching Band Cheerleading
<p>Speech- ½ credit <i>The ½ credit may be selected from the following courses:</i></p> <ul style="list-style-type: none"> Professional Communications 	<p>Speech- ½ credit <i>The ½ credit may be selected from the following courses:</i></p> <ul style="list-style-type: none"> Professional Communications 	<p>Speech- ½ credit <i>The ½ credit may be selected from the following courses:</i></p> <ul style="list-style-type: none"> Professional Communications
<p>Fine Arts- 1 credit <i>The required credit may be selected from one full credit from the following courses:</i></p> <ul style="list-style-type: none"> Art (Level I, II, III, or IV) Dance (Level I, II, III, or IV) Music (Level I, II, III, or IV) Theatre (Level I, II, III, or IV) 	<p>Fine Arts- 1 credit <i>The required credit may be selected from one full credit from the following courses:</i></p> <ul style="list-style-type: none"> Art (Level I, II, III, or IV) Dance (Level I, II, III, or IV) Music (Level I, II, III, or IV) Theatre (Level I, II, III, or IV) 	<p>Fine Arts- 1 credit <i>The required credit may be selected from one full credit from the following courses:</i></p> <ul style="list-style-type: none"> Art (Level I, II, III, or IV) Dance (Level I, II, III, or IV) Music (Level I, II, III, or IV) Theatre (Level I, II, III, or IV)

Appendix B – Students who entered 9th Grade in 2014-2015

This appendix defines courses that may be taken as advanced courses in the Endorsement Graduation Plan for students entering high school in 2014-2015.

English language arts--four credits. Three of the credits must consist of English I, II, and III. The additional credit may be selected from one full credit or a combination of two half credits from two different courses, subject to Recommended Prerequisite requirements, from the following courses:

- (A) English IV;
- (C) Literary Genres;
- (D) Creative Writing;
- (F) Humanities;
- (G) Public Speaking III;
- (I) Debate III;
- (J) Independent Study in Journalism;
- (K) Advanced Broadcast Journalism III;
- (L) Advanced Journalism: Newspaper III;
- (M) Advanced Journalism: Yearbook III;
- (N) Advanced Placement (AP) English Literature and Composition;

Mathematics--four credits. Two of the credits must consist of Algebra I and Geometry.

(A) The additional credit may be selected from one full credit or a combination of two half credits from two different courses, subject to prerequisite requirements, from the following courses or a credit selected from the courses listed in subparagraph (B) of this paragraph:

- (i) Mathematical Models with Applications;
 - (ii) Mathematical Applications in Agriculture, Food, and Natural Resources;
 - (iii) Digital Electronics; and
- (B) The additional credit may be selected from one full credit or a combination of two half credits from two different courses, subject to prerequisite requirements, from the following courses:
- (i) Algebra II;
 - (ii) Precalculus;
 - (iii) Advanced Quantitative Reasoning;
 - (viii) AP Statistics;
 - (ix) AP Calculus AB;
 - (x) AP Calculus BC;
 - (xi) AP Computer Science;
 - (xvi) Engineering Mathematics;
 - (xvii) Statistics and Risk Management;

Science--four credits. One credit must consist of Biology, AP Biology, or IB Biology.

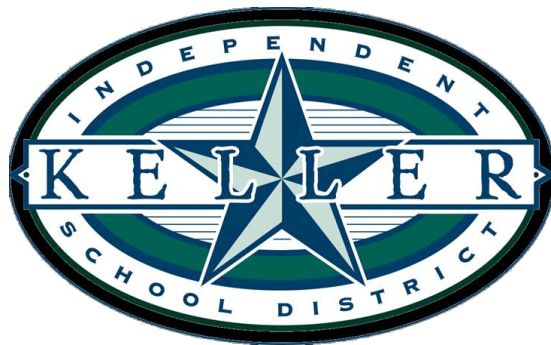
A) One credit must be selected from the following laboratory-based courses:

- (i) Integrated Physics and Chemistry;
- (ii) Chemistry;
- (iii) AP Chemistry;
- (iv) Physics;
- (v) Principles of Technology;
- (vi) AP Physics 1: Algebra-Based; and

B) The additional credit may be selected from one full credit or a combination of two half credits from two different courses, subject to Recommended Prerequisite requirements, from the following laboratory-based courses:

- (i) Chemistry;
- (ii) Physics;
- (iii) Aquatic Science;
- (iv) Astronomy;
- (v) Earth and Space Science;
- (vi) Environmental Systems;

- (vii) AP Biology;*
- (viii) AP Chemistry;*
- (ix) AP Physics 1: Algebra-Based;*
- (x) AP Physics 2: Algebra-Based;*
- (xi) AP Physics C;*
- (xii) AP Environmental Science;*
- (xiii) Advanced Animal Science;*
- (xiv) Anatomy and Physiology;*
- (xv) Medical Microbiology;*
- (xvi) Pathophysiology;*
- (xvii) Food Science;*
- (xviii) Forensic Science;*
- (xix) Advanced Biotechnology;*
- (xx) Principles of Technology;*
- (xxi) Scientific Research and Design;*
- (xxii) Engineering Design and Problem Solving;*
- (xxiii) Principles of Engineering;*
- (C) Credit may not be earned for both physics and Principles of Technology to satisfy science requirement.*



Visit us at www.kellerisd.net