

Lakewood Ranch High School



Curriculum Guide
2021-2022

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Registration Guidelines

1. Study the courses in the curriculum guide and discuss possible choices with your teachers as you meet with them during the registration period.
2. Discuss your course selections with your parents or guardians.
3. Pay close attention to course requirements outlined in the curriculum guide as you make your selections. Make sure you are meeting the prerequisites for any of the courses you choose.
4. Teachers will make initial recommendations based on current academic performance; however, final course placement will be made based on academic history.
5. When completing your registration form, clearly indicate your elective choices by listing them in priority order. Every effort is made to give you your top choices; however, if there is a scheduling conflict, alternate course selections must be made. If you do not choose alternate courses, one or more will be selected for you and will not be changed later.

Course Cancellation

Lakewood Ranch High School reserves the right to drop any course due to insufficient enrollment, lack of instructional materials and/or teacher certification.

Schedule Change Policy

The registration process and the development of student schedules takes place in the spring, at which time faculty and staff counsel with students. The process includes input from students, parents, teachers, counselors, and administrators. The school's master schedule is built, and new staff hired based on registration requests. Students are expected to honor their commitments and to attend and complete the courses for which they register during the registration period. Requests for schedule changes, therefore, will be considered during the first two weeks of school only for the following reasons:

- Student has already earned credit for the course.
- Student has failed to meet the prerequisite for the course.
- Scheduled for too many or not enough courses.
- There was a clerical error.
- District directive regarding course progression.

Level Changes

A level change is appropriate only if it is determined that the student is either above or below the current class's academic level. The decision to change levels is made by the teacher, parent, and the student. If a level change is appropriate, the procedure below should be followed:

- Before the level change process may begin, the student must have completed all homework, assignments, and tests to the best of his/her ability and must have sought assistance from the teacher.
- Level changes may be made up until the first quarter progress report date.
- The letter grade at the time of the level change accompanies the student to the new class.
- Level changes are for core classes only.

The School District of Manatee County does not tolerate discrimination or harassment on the basis of race, sex, sexual orientation, color, religion, age, national origin, or disability. The district has designated the Director of Student Services to facilitate the district's compliance with federal nondiscrimination laws. Written complaints of discrimination or harassment may also be filed with:

*Human Resources Department
School District of Manatee County
P. O. Box 9069, Bradenton, FL 34206*

Educational Enhancement

In some courses, there may be occasional requests for fees to provide educational enhancement. No student shall be denied the opportunity to participate fully in these classes because of an inability to pay. In such circumstances, please notify the teacher.

Enhanced Instruction for Non-Proficient Students

Students must earn a Level 3 or higher in reading and/or math on a standardized assessment within the last 2 or more consecutive years. Students who do not meet the criteria may be required to receive enhanced instruction through a course that will assist in building the student's skills and in mastering standards.

Manatee Virtual School

Manatee Virtual School (MVS) is Manatee County's virtual school alternative. With MVS, students in grades 6-12 can register for up to three virtual courses if currently attending a Manatee County School. MVS is a franchise of the Florida Virtual School which integrates the highly acclaimed FLVS curriculum taught by Manatee County School teachers. MVS can be used for credit recovery, acceleration, scheduling conflicts, and/or to fulfill the online course requirement. For more detailed information, please visit the MVS website through www.manateeschools.net.

Florida Virtual School

Students can earn high school credit each year through the online Florida Virtual School. Students should be self-motivated and task-orientated to successfully complete this type of course. Visit the web site at <http://flvs.net> for course and enrollment information. Counselor approval is required.

Graduation Requirements

In order to earn a standard diploma in Manatee County, a student must meet specific academic requirements set forth by the State of Florida. These requirements are based on the year a student enters ninth grade. Occasionally, requirements are revised due to new end-of-course assessments, accelerated course requirements, and mandatory online learning. It is advised that students and parents review the chart on the following page to be certain that they understand what is necessary for a student to successfully earn a high school diploma.

Online Course Graduation Requirement

High school students must successfully complete at least one full course in an online environment. A student who takes a half-credit course and earns the half-credit has completed a full course. A student who takes a full-credit course and only earns one-half of the credit has not completed a full course. A full course, whether it carries a half-credit or one credit, will fulfill the online learning requirement for high school graduation.

Physical Education (HOPE) Waiver Options

A student can waive the HOPE requirement in one of two ways:

1. Participation in two seasons of an interscholastic sport at the Junior Varsity or Varsity level.
2. Completion of two years in a Junior Reserve Officer Training Corps (JROTC) course. This will waive the full credit in HOPE and the full credit in performing arts.

Performing Arts Requirement

In addition to all music, art, drama, and speech courses, the following courses meet the one credit required in a performing art:

Introductory Horticulture 2	Marketing Essentials
Horticultural Science 3	Digital Audio Production 1
Television Production Technology 1 - 4	Foundations of Web Design
Early Childhood Education 3	User Interface Design
Applied Engineering Technology I or III	Media Integration Essentials
Foundations of Robotics	Game & Simulation Foundations
Robotic Design Essentials	Game & Simulation Design
Advanced Technology Applications	Game & Simulation Graphic Artist
Digital Information Technology	Journalism 1

Graduation Requirements
Florida Department of Education

Graduation Requirements		
Subject Area	24 Credit Program	ACCEL Program/Diploma Designations
English/Language Arts (ELA)	4 credits in ELA 1, 2, 3, 4 ELA honors, AP AICE, IB and dual enrollment courses may satisfy this requirement (must pass the Grade 10 FSA/ELA common core assessment)	ACCEL Program (18 credits minimum)
Mathematics	4 credits, one of which must be Algebra 1 and one of which must be Geometry (Algebra 1 EOC results count 30% of the final course grade and must be passed to earn a standard diploma; Geometry EOC results count 30% of final course grade).	<ul style="list-style-type: none"> • Physical Education is not required • 3 elective credits • Online course is not required All other graduation requirements for a standard diploma must be met.
Science	1 credit in Biology 1 (Biology EOC results count 30% of the final course grade) 2 credits in equally rigorous science courses 2 of the 3 required science credits must have a laboratory component	
Social Studies	<ul style="list-style-type: none"> • 1 credit in World History • 1 credit in U.S. History (U.S. History EOC results count 30% of the final course grade) • .5 credit in U.S. Government • .5 credit in Economics 	In addition to meeting the standard high school diploma requirements: <ul style="list-style-type: none"> • 1 credit in Algebra 2 • 1 credit in Statistics or an equally rigorous mathematics course • Pass the Biology 1 EOC Assessment • 1 credit in Chemistry or Physics • 1 credit in a course equally rigorous to Chemistry or Physics • Pass the U.S. History EOC Assessment • 2 credits in the same world language • Earn at least one credit in AP, IB, AICE or a dual enrollment course.
World Languages	Not required for high school graduation, but required for admission to state universities	
Fine and Performing Arts, Speech and Drama, or Practical Arts	1 credit in fine or performing arts, speech and debate, or practical arts (eligible courses specified in the Florida Course Code Directory)	
Physical Education	1 credit in physical education to include the integration of health (HOPE)	
Industry Certification	Not required	In addition to meeting the standard high school diploma requirements: <ul style="list-style-type: none"> • Attain one or more industry certifications from the list established under section 1003.492, Florida Statutes (F.S.)
Electives	8 credits	
Grade Point Average	Cumulative GPA of 2.0 on a 4.0 scale	
Online Course	1 course within the 24 credits	
Special Notes: EOC - End of Course Assessment; AP - Advanced Placement; AICE - Advanced International Certificate of Education; IB - International Baccalaureate.		

Grading Scale

The following is the current grading scale for Manatee County Schools for grades 9-12:

A	90	-	100
B	80	-	89
C	70	-	79
D	60	-	69
F	0	-	59

Students receive both a letter grade and a numerical percentage for each nine-week period, for the semester examination, and for the final semester grade. The final semester grade will appear on the student's transcript. Progress reports are issued at the midpoint of each grading period. Parents may access student grades through FOCUS.

Achievement Levels

Courses at Lakewood Ranch High School are provided for each student's developmental level. A multi-level structure has been established to provide for these differences and to provide for individualized instruction. Honors, Advanced Placement, and Dual-Enrollment courses are designed for the highly motivated student with above average achievement and students must meet all requirements.

Weighted Courses

All classes designated as Honors, Dual-Enrollment, or Advanced Placement will receive weighted grades according to the following scale:

Grade	Dual-Enrollment & AP	Honors
A	5	4.5
B	4	3.5
C	3	2.5
D	2	1.5

Testing

END OF COURSE EXAMS (EOC), FSAs

Florida State Assessments, or achievement tests, are given to all students pursuing a high school diploma. There are two main types of Florida State Assessments: EOCs and the FSA exams in ELA. Computer based end-of-course (EOC) assessments are administered at the end of specific high school courses. EOC requirements may be waived for some exceptional student education (ESE) students. FSA/ELA exams are administered in grades 9 and 10. For information on the FSA assessments, visit <http://www.fsassessments.org>.

PSAT/NMSQT

The Preliminary Scholastic Aptitude Test (PSAT) is offered to students in October. All 11th grade students are encouraged to take the PSAT, allowing them to become eligible to enter the National Merit Scholar Competition based on their test score. Students can be recognized as semi-finalists, finalists, and/or National Merit Scholars. Students who become National Merit Scholars are often eligible for scholarships from both the National Merit organization and/or their post-secondary institution.

SAT AND ACT

Information, including test dates, registration deadlines, and test fees for both the SAT and ACT is available online. The web address for the SAT is www.sat.org and the ACT is www.actstudent.org. Registration packets for students without Internet access are available in the guidance office. When registering for either test, students will need the CEEB code for Lakewood Ranch High School which is 100-162.

ASVAB

The Armed Services Vocational Aptitude Battery (ASVAB) is a multiple-aptitude battery that measures developed abilities and helps predict future academic and occupational success in the military. It is administered annually (usually in December or January).

Industry Certifications

LRHS offers students the opportunity to earn valuable nationally recognized Industry Certifications in all our Career and Technology Education (CTE) elective classrooms. Through our programs, we link the world of education with the world of work. Our teachers and staff provide leadership, support and resources to prepare students with the necessary technical skills, student leadership, career focus, and academic excellence needed to succeed in both careers and post-secondary education while meeting and exceeding local workforce needs.

Mustang Steam Academy

The STEAM Academy puts creative design, project-based learning, college & career readiness, and industry certifications at the core of its curriculum. Students will have the opportunity to develop their individual STEAM career pathways while maintaining connected to a cohort of peers culminating in a capstone project. Students who complete the STEAM Academy may be eligible for the Bright Futures Gold Seal Vocational Scholarship. Mustang STEAM students will take four years of technical design and advanced technical application coursework alongside two additional STEAM electives and an elective path or their choice. Interested students should apply on the LRHS website.

National Collegiate Athletic Association (NCAA)

The initial eligibility standards for the college bound student athlete are different from general graduation requirements and can be significantly more rigorous. Please refer to http://web1.ncaa.org/ECWR2/NCAA_EMS/NCAA.jsp for more information or contact the Athletic Director if you are considering playing athletics at the collegiate level.

Florida Shines

Florida Shines provides a variety of online services for students from Florida’s public high schools, colleges, and universities. Florida Shines’ academic advising services make it easy for high school students to prepare for college or a career after graduation. Students can monitor their progress by running evaluations against their transcript information and the requirements for high school graduation and Bright Futures Scholarships. In addition, they can explore Florida’s college and university offerings (both traditional and distance learning programs), learn about financial aid, and apply for admission. Dually enrolled high school students and those in accelerated education programs can even access online library resources used within Florida’s colleges and universities. For more information, visit www.floridashines.org.

Florida College System (Community/State Colleges)

Florida’s 28 public colleges are open-access institutions. Students are not required to earn a minimum high school GPA or SAT/ACT score in order to be admitted. While some colleges within the system have dropped “community” from their name and others have added “state,” all colleges retain their open-door admissions policy for students seeking an associate degree. Failure to complete the college preparatory curriculum listed in the previous section does not preclude admission to an institution; however, students who lack this preparation may need to take additional remedial courses after high school graduation and before enrollment in college-credit courses.

State University Admission Policies

Admission to Florida’s public universities is competitive. Acceptance is determined by enrollment limitations and qualifications of the freshmen applicant pool. It is recommended that prospective college students apply to more than one university and complete a rigorous curriculum in high school to increase their chances for acceptance.

The minimum state level admission policies have been established for first time in college (FTIC) students and for undergraduate students transferring without an AA degree from a Florida College System institution. Admission criteria includes but is not limited to 1) high school graduation with a standard diploma, 2) minimum grade point average in high school academic core courses, 3) minimum admissions test scores (ACT or SAT), 4) and course distribution requirements (see below). It is important to note, however, that universities are permitted to set higher admission standards and include other factors when making admission decisions.

High School Course Distribution Requirements

English.....	4
Mathematics (Algebra 1 or higher).....	4
Natural Science.....	3
Social Science.....	3
World Language (must be in the same language).....	2 (3+ is recommended)
Electives.....	2

The quality of student grades and course selection are the most important factors students can control in preparation for college entrance. In general, the more selective a school or college, the more competitive students must be in terms of courses taken, level and grades earned.

Dual Enrollment

The dual enrollment program is the enrollment of an eligible secondary student in a postsecondary course creditable toward high school completion and a career certificate or an associate or baccalaureate degree. It is the responsibility of students to ensure that all required paperwork is completed accurately and thoroughly and submitted well in advance of published deadlines. GPA and test scores are required and vary per program. Students must keep in mind that by enrolling in a dual enrollment course, they are establishing a postsecondary GPA. The grade earned in the course becomes a permanent part of both the high school and college transcript. Universities will consider a student's college GPA when making admission decisions.

Students may take dual enrollment courses through either Manatee Technical College, State College of Florida or University of South Florida.

Manatee Technical College

Manatee Technical College (MTC) offers technical training to qualified high school juniors and seniors interested in obtaining a technical skill and have the ability and maturity to benefit from training. While enrolled in MTC, students earn elective credits toward high school graduation. Tuition and most fees are waived. To view a list of current programs, visit www.manateetech.edu. Students interested in attending MTC must be 16 years of age, have a minimum GPA of a 2.0, have earned at least 11 high school credits, and submit a completed high school application to their high school counselor by MTC's posted deadline date.

State College of Florida & University of South Florida

Specific steps for each dual enrollment program can be found on the LRHS website. Students must complete all steps in the process in order to enroll in courses. Please note, criteria for both SCF and USF Dual Enrollment are subject to change.

1. Verify eligibility requirements for the program you are interested in. See the Dual Enrollment Chart on the next page.
2. If there are no qualifying test scores, register to take ACT (actstudent.org), SAT (sat.org) or PERT. Test scores must be accessible to SCF or USF by application deadline.
3. Complete the appropriate application for the institution where you are planning to enroll.
4. Submit all supporting documentation needed before the deadline. Failure to do so will prevent students from participating in dual enrollment.
5. Students are required to be enrolled on a full-time basis to include seven courses each semester or the equivalent through a combination of high school and college classes.
6. Students must be academically motivated to accept the challenge of college level work.

If a student earns a W, D or F in any SCF course or a W, C-, D or F in any USF course, they will not be eligible for any dual enrollment programs the following semester. Students wishing to enroll in dual enrollment courses must have all applications, approval forms, and placement testing completed by the following deadlines. These deadlines are for both SCF and USF.

Deadlines: Fall 2021: May 3, 2021
 Spring 2022: November 15, 2021

SCF or USF will not accept any applications, test scores or approval forms after these dates. Interested students need to contact their high school counselor well before these dates to ensure that deadlines are met. For additional information about the dual enrollment program, visit the [SCF Early College website](#) or the [USF Dual Enrollment website](#).

Program	Dual Enrollment	Early Admission	Accelerated Dual Enrollment	Dual Enrollment
Prerequisite Courses	Successful completion of 10 high school credits prior to the first semester of DE. Must include 2 English credits and 2 math credits.	Successful completion of 18 high school credits prior to the start of the first semester of DE. Must include 2 English credits and 2 math credits (Algebra and Geometry or higher).	Successful completion of 2 English credits and 2 math credits (Algebra and Geometry or higher). Must have passed the Grade 10 FSA/ELA and Algebra 1 EOC.	N/A
GPA Requirement	3.0 Unweighted	3.0 Unweighted	3.3 Unweighted	3.5 Weighted
Test Scores Requirement*	SAT Reading Subtest – 24 SAT Math Subtest - 27	SAT Reading Subtest – 24 SAT Math Subtest - 27	SAT Reading Subtest – 24 SAT Math Subtest - 27	SAT EBRW – 560 SAT Math - 530
	ACT Reading – 19 English - 17 ACT Math - 20	ACT Reading – 19 English - 17 ACT Math - 20	ACT Reading – 19 English - 17 ACT Math - 20	ACT Reading – 21 English - 21 ACT Math - 21
	PERT Reading – 106 PERT Writing – 103 PERT Math - 123	PERT Reading – 106 PERT Writing – 103 PERT Math - 123	PERT Reading – 106 PERT Writing – 103 PERT Math - 123	PERT Reading – 106 PERT Writing – 103 PERT Math - 123
Deadline	Fall '21 - May 3 rd Spring '22 - November 15	Fall '21 - May 3 rd Spring '22 - November 15	Fall '21 - May 3 rd Spring '22 - November 15	Fall '21 - May 3 rd Spring '22 - November 15
Grade Level	10th - 12th	12th	11th & 12th (must start in junior year)	10th (Math only) 11th - 12th
Location of Classes	SCF Campus	SCF Campus	SCF Campus	LRHS or USF Campus <i>Maximum of four (4) classes can be taken on the high school campus.</i>
Course Load	May not exceed 11 credit hours per term. Balance of courses must be taken on the high school campus.	Minimum of 12 credit hours but may not exceed 15 credit hours per term.	Must take 15 credit hours per term.	No more than 6 credit hours in the initial term of enrollment. After the first term, may take no more than 11 hours per term.
Continuing Eligibility	Must maintain high school GPA of 3.0 (unweighted) and must earn a C or better in each college course. Students who earn less than a C, withdraw, or are withdrawn from any dual enrollment course are ineligible to participate in DE through any institution the following semester.	Must maintain high school GPA of 3.0 (unweighted) and must earn a C or better in each college course or have maintained a cumulative college GPA of at least 2.5.	Must maintain high school GPA of at least 3.0 (unweighted) and maintain a college term GPA of at least a 2.0.	Must maintain at least a C (2.0) average in dual enrollment courses and maintain a weighted GPA of 3.3 GPA on high school transcripts including dual enrollment course final grades.
Application	Online SCF Dual Enrollment Application	Online SCF Dual Enrollment Application	Online SCF Dual Enrollment Application	Online USF Non-Degree Seeking Application

*Math scores listed meet the minimum college-level math requirement. Higher scores are required for upper-level math courses. All other courses require the minimum test score in both Reading **and** Writing/English to qualify.

Eligibility requirements for all dual enrollment programs are subject to change upon final approval of the Articulation Agreements.

Advanced Placement

Advanced Placement (AP) is the enrollment of an eligible student in a course offered by the Advanced Placement Program administered by the College Board. Postsecondary credit for an AP course may be awarded to students who score a minimum of 3 on a 5-point scale on the corresponding AP exam in accordance with the policies of the receiving college or university. Students shall be exempt from the payment of any fees for AP courses in which they are enrolled, including fees for administration of the AP examination, regardless of whether the student achieves a passing score. Students requesting to take AP exams for courses in which they are not currently enrolled must pay for the cost of the AP exam.

A student must have a 3.0 grade point average and have earned level 3 or higher on the FSA/ELA, passed a nationally normed standardized test or earned the required comparative/concordant score within the last two years to be eligible to participate in Advanced Placement. Students who request an AP course and meet the prerequisite for the course are expected to uphold their year-long commitment. Each school will determine policies regarding schedule changes and AP Courses will be treated according to the established rules. However, students earning a D or F in an Advanced Placement course at the first quarter progress report may be withdrawn and scheduled into another course in the same or similar subject area. All students enrolled in an AP course must complete the Advanced Studies Contract.

Dual Enrollment vs. Advanced Placement

The choice as to which, if any, college acceleration program one participates in is up to the student. Students, along with the help of parents, need to research the universities of their choice and see what the university will accept. Not every university will give the same credit for AP exam scores or Dual Enrollment courses. Some things that should be considered before deciding are:

- If applying to out of state schools or some of the highly selective in-state schools, it may be advantageous to take as many AP courses as possible.
- If attending SCF after graduation, students may want to consider taking Dual Enrollment courses that meet the AA or AS degree requirements.
- If applying to a four-year university that is moderately selective, a mixture of both Dual Enrollment courses and AP may be acceptable.

Comparison of Programs

Dual Enrollment	Advanced Placement
Instructors have a master's degree with 19 graduate credit hours in content area.	Teachers are certified by College Board.
Students receive college credit if final grade is "C" or higher.	Students receive college credit only by passing the standardized AP exam.
College credit accepted by the State University System with passing grade.	College credit acceptance by State University System is dependent on AP exam score and major.
The final grade earned becomes a permanent part of both the high school and college transcript.	

AP Capstone

Lakewood Ranch High School has been approved by the College Board to offer the AP Capstone Diploma program. The AP Capstone Diploma is an innovative diploma program that equips students with the independent research, collaborative teamwork, and communication skills that are increasingly valued by colleges. AP Capstone students who have demonstrated outstanding college-level achievement in AP Seminar, AP Research, and four additional AP courses are recognized with this diploma. For more information about the AP Program and the AP Capstone Diploma please visit

<https://apstudent.collegeboard.org>.

Bright Futures Scholarship Program

The Florida Bright Futures Scholarship program consists of three scholarships funded through lottery dollars and awarded to eligible Florida high school graduates planning to continue their education at any eligible Florida post-secondary institution. See next page for eligibility chart. For the most current information on the program, visit the Bright Futures website at

www.floridastudentfinancialaid.org/ssfad/bf/main.htm.

Florida Bright Futures Scholarship Program

Florida Department of Education

Scholarship Name	Florida Academic Scholars Award (FAS)	Florida Medallion Scholars Award (FMS)	Florida Gold Seal Vocational Award (GSV) Funding is only allowed for enrollment in vocational diplomas, degrees, or certificates.
Grade Point Average (GPA)	3.5 weighted GPA using the credits listed below:	3.0 weighted GPA using the credits listed below:	3.0 weighted GPA using the 16 core credits required for high school graduation (listed below) and a 3.5 unweighted GPA in a minimum of three vocational credits within one program
<p>Evaluation for Bright Futures includes an unrounded, weighted high school GPA (calculated to two decimal places). The following courses are weighted .25 per semester course or .50 per year course in the calculation of the GPA: Advanced Placement (AP), Honors, or academic Dual Enrollment. For example, whereas an 'A' equals 4 quality points for an un-weighted course, an 'A' would equal 4.5 quality points for a weighted course.</p>			
Required Credits	<p>Courses must include 16 credits of college preparatory academic courses.</p> <p>4 English 4 Mathematics (Algebra 1 and higher) 3 Natural Science 3 Social Science 2 Foreign Language (in the same language)</p> <hr style="width: 20%; margin-left: 0;"/> <p>16 Credits</p> <p>May use up to two additional credits from courses in the academic areas listed above to raise the GPA.</p>	<p>Courses must include 16 credits of college preparatory academic courses.</p> <p>4 English 4 Mathematics (Algebra 1 and higher) 3 Natural Science 3 Social Science 2 Foreign Language (in the same language)</p> <hr style="width: 20%; margin-left: 0;"/> <p>16 Credits</p> <p>May use up to two additional credits from courses in the academic areas listed above to raise the GPA.</p>	<p>Courses must include the 16 core credits required for high school graduation.</p> <p>4 English 4 Mathematics (including Algebra 1) 3 Natural Science 3 Social Studies (US History, World History, US Govt. & Economics) 1 Fine or Performing Art 1 HOPE</p> <hr style="width: 20%; margin-left: 0;"/> <p>16 Credits</p> <p>Plus a minimum of three Vocational Job-Preparatory or Technology Education Program credits in one vocational program.</p>
Community Service	100 hours	75 hours	30 hours
Test Scores	<p>Test scores can vary based on grade level and may be updated each year. The most up to date information can be found on the Bright Futures website.</p>	<p>Test scores can vary based on grade level and may be updated each year. The most up to date information can be found on the Bright Futures website.</p>	<p>PERT: Reading 106 Writing 103 Math 114</p> <p>SAT: Critical Reading 440 Math 440</p> <p>ACT: English 17 Reading 19 Math 19</p>

Eligibility requirements are subject to change pending legislative action regarding criteria and funding. For more information, visit the Bright Futures web site at www.floridastudentfinancialaid.org/ssfad/bf.

Advanced Placement

AP 2-D ART & DESIGN (0109350)

GRADE LEVEL: 11,12 CREDIT: 1.0

PREREQUISITE: COMPLETED APPLICATION & WRITTEN PERMISSION BY THE INSTRUCTOR.

The AP Studio Art course is for students interested in a rigorous and focused study in art. Students will develop a quality portfolio that demonstrates a mastery of concept, composition and execution in 2D design. Individual artwork will be evaluated for quality, depth, discovery, and demonstration of superior knowledge of art principles and techniques. The course is based on a student creating a body of work that demonstrates quality, concentration and breadth. This portfolio will be submitted to the College Board for college credit. This full year weighted art course allows students to pursue college level course work. As in any college level course students will be expected to spend a considerable amount of time outside of class in order to complete assignments and doing homework and sketchbook assignments. Summer assignments will be required. College credit may be earned through a satisfactory score on the AP College Board Test for AP Studio Art, which requires the submission of a portfolio. There will be a materials fee for this course.

AP 3-D ART & DESIGN (0109360)

GRADE LEVEL: 11,12 CREDIT: 1.0

PREREQUISITE: COMPLETED APPLICATION & WRITTEN PERMISSION BY THE INSTRUCTOR.

The AP Studio Art course is for students interested in a rigorous and focused study in art. Students will develop a quality portfolio that demonstrates a mastery of concept, composition and execution in 3D design. Individual artwork will be evaluated for quality, depth, discovery, and demonstration of superior knowledge of art principles and techniques. The course is based on a student creating a body of work that demonstrates quality, concentration and breadth. This portfolio will be submitted to the College Board for college credit. This full year weighted art course allows students to pursue college level course work. As in any college level course students will be expected to spend a considerable amount of time outside of class in order to complete assignments and doing homework and sketchbook assignments. Summer assignments will be required. College credit may be earned through a satisfactory score on the AP College Board Test for AP Studio Art, which requires the submission of a portfolio. There will be a materials fee for this course.

AP BIOLOGY (2000340)

GRADE LEVEL: 11,12 CREDIT: 1.0

PREREQUISITE: 3.0 OR HIGHER GPA, LEVEL 3 OR HIGHER FSA/ELA, B OR HIGHER IN BIOLOGY 1 HONORS OR A IN BIOLOGY 1, OR AN B OR HIGHER IN CHEMISTRY 1 HONORS OR A IN CHEMISTRY 1. STUDENTS MUST HAVE ALSO TAKEN ANATOMY & PHYSIOLOGY HONORS OR ARE CONCURRENTLY TAKING IT WITH THIS COURSE.

The AP Biology course is designed to be the equivalent of a college introductory Biology course. This course differs significantly from Biology 1 Honors with respect to the kind of textbook used, the range and depth of topics covered, the type of laboratory work, and the time and effort outside of class required of students. The course involves extensive out of class reading and study assignments. Required summer assignments are a part of this course. General areas of study include: Biological Chemistry, Cytology, Energy Transformations, Molecular Genetics, Heredity, Evolution, Taxonomy, Botany, Zoology and Ecology. A lab donation will be requested to help finance laboratory activities.

AP CALCULUS AB (1202310)

GRADE LEVEL: 11,12 CREDIT: 1.0

PREREQUISITE: 3.0 OR HIGHER GPA, LEVEL 3 OR HIGHER FSA/ELA B OR HIGHER IN PRECALCULUS, PLACEMENT TEST

AP Calculus AB is designed to develop students' understanding of the concepts of calculus and applications of calculus in the real world. A required summer assignment will be due on the first day of class and a graphing calculator will be needed. The College Board will provide the curriculum followed. Topics will include but not limited to, function, graphs, limits, derivatives, and integrals.

AP CALCULUS BC (1202320)

GRADE LEVEL: 12 CREDIT: 1.0

PREREQUISITE: SUCCESSFUL COMPLETION OF AP CALCULUS AB EXAM

AP Calculus BC covers all AP Calculus AB topics and introduces integration by parts, Taylor series, parametric equations, polar coordinate functions, and curve interpolations.

AP CHEMISTRY (200370)

GRADE LEVEL: 11,12 CREDIT: 1.0

PREREQUISITE: 3.0 OR HIGHER GPA, LEVEL 3 OR HIGHER FSA/ELA, B OR HIGHER IN CHEMISTRY 2 HONORS, B OR HIGHER IN ALGEBRA 2 HONORS. PHYSICS 1 HONORS IS REQUIRED EITHER PRIOR TO OR CONCURRENTLY TAKEN WITH THIS COURSE.

The AP Chemistry course is designed to be the equivalent of the general chemistry course usually taken the first year of college. Students attain a depth of understanding of fundamentals, and a reasonable competence in dealing with chemical problems. The course develops students' abilities to think clearly and to express their ideas, orally and in writing, with clarity and logic. This course differs from other chemistry courses offered in the high school with respect to the kind of textbook used, the topics covered, the emphasis on chemical calculations and the mathematical formulation of principles, and the type of laboratory work. Quantitative differences appear in the number of topics treated, the time spent on the course by students, and the nature and variety of experiments done in the laboratory. AP Students should spend at least five hours a week in individual study outside the classroom. A lab donation will be requested to help finance laboratory activities.

AP COMPARATIVE GOVERNMENT (2106430)

GRADE LEVEL: 12 CREDIT: .50

PREREQUISITE: C OR HIGHER IN AP US GOVERNMENT & POLITICS

Students will use a comparative approach to examine the political structures; policies; and political, economic, and social challenges of six selected countries: China, Iran, Mexico, Nigeria, Russia and the United Kingdom. Students will cultivate their understanding of comparative government and politics through analysis of data and text-based sources as they explore topics like power and authority, legitimacy and stability, democratization, internal and external forces, and methods of political analysis. This course is paired AP US Government & Politics.

AP COMPUTER SCIENCE A (0200320)

GRADE LEVEL: 10,11,12 CREDIT: 1.0

PREREQUISITE: 3.0 OR HIGHER GPA, C OR HIGHER IN AP COMPUTER SCIENCE PRINCIPLES

AP Computer Science A introduces students to computer science through programming. Fundamental topics in this course include the design of solutions to problems, the use of data structures to organize large sets of data, the development and implementation of algorithms to process data and discover new information, the analysis of potential solutions, and the ethical and social implications of computing systems. The course emphasizes object-oriented programming and design using the Java programming language.

AP COMPUTER SCIENCE PRINCIPLES (0200335)

GRADE LEVEL: 9,10,11,12 CREDIT: 1.0

PREREQUISITE: 3.0 OR HIGHER GPA, A OR B IN ALGEBRA 1

AP Computer Science Principles is an introductory level AP course for students who are strong in math and analytical thinking. The purpose of this course is to expose students to different aspects of computers. Students with no programming skills will learn how to program as they write games and apps that do specific tasks. This course will focus on 7 big ideas: The Internet, Programming, Algorithms, Data & Information, Abstraction, Creativity, and Global Impacts. Students will practice effective communication skills as they collaborate, connect computing to the world, create computational artifacts and abstractions, and analyze problems. See collegeboard.org/CSP for more information.

AP DRAWING (0104300)

GRADE LEVEL: 11,12 CREDIT: 1.0

PREREQUISITE: COMPLETED APPLICATION & WRITTEN PERMISSION BY THE INSTRUCTOR

The AP Drawing course is for students interested in a rigorous and focused study in art. Students will develop a quality portfolio that demonstrates a mastery of concept, composition and execution in Drawing. Individual artwork will be evaluated for quality, depth, discovery, and demonstration of superior knowledge of art principles and techniques. The course is based on a student creating a body of work that demonstrates quality, concentration and breadth. This portfolio will be submitted to the College Board for college credit. This full year weighted art course allows students to pursue college level course work. As in any college level course students will be expected to spend a considerable amount of time outside of class in order to complete assignments and doing homework and sketchbook assignments. Summer assignments will be required. College credit may be earned through a satisfactory score on the AP College Board Test for AP Studio Art, which requires the submission of a portfolio. There will be a materials fee for this course.

AP EUROPEAN HISTORY (2109380)

GRADE LEVEL: 11,12 CREDIT: 1.0

PREREQUISITE: 3.0 OR HIGHER GPA, LEVEL 3 ON MOST RECENT FSA/ELA.

AP European History is a college level survey course examining major developments in European history from 1450 C.E. - 2001 C.E. The major themes that will be discussed and studied in this course are intellectual and cultural history; political and diplomatic history; and social and economic history. Students will also be developing research, writing, and critical thinking skills necessary at the college level. Note taking from lectures and reading is required and students will be responsible for out of class reading.

AP FRENCH LANGUAGE & CULTURE (0701380)

GRADE LEVEL: 12 CREDIT: 1.0

PREREQUISITE: 3.0 OR HIGHER GPA, LEVEL 3 OR HIGHER FSA, B OR HIGHER IN FRENCH 3 HONORS OR FRENCH 4 HONORS. NATIVE SPEAKERS WILL BE GIVEN AN ASSESSMENT TEST TO DETERMINE PLACEMENT.

Emphasis will be placed on speaking, reading, writing and listening fluently, as related to the six AP French themes. Students will be required to complete a summer assignment based on the six themes, prior to the academic school year. Students will be expected to take the AP French Language and Culture exam in May. This course is a college level class; students will be expected to complete research and create presentations based on the themes. Students are expected to speak in French and should prepare daily for class.

AP HUMAN GEOGRAPHY (2103400)

GRADE LEVEL: 9,10,11,12 CREDIT: 1.0

PREREQUISITE: 3.0 OR HIGHER GPA, LEVEL 3 OR HIGHER FSA/ELA, B OR HIGHER IN PREVIOUS SOCIAL STUDIES COURSES

Are you interested in what's happening in your global community? Explore economic, social, political, and environmental issues through the lens of geography. By exploring human influences and patterns, you can better understand the world around you, make predictions, and propose solutions to current issues. In this course, you will investigate geographic perspectives and analyze historical and current patterns of migration, population, political organization of space, agriculture, food production, land use, industrialization and economic development.

AP LANGUAGE AND COMPOSITION (1001420)

GRADE LEVEL: 11,12 CREDIT: 1.0

PREREQUISITE: 3.0 OR HIGHER GPA, LEVEL 3 OR HIGHER ON THE FSA/ELA; B OR HIGHER IN AMERICAN LITERATURE HONORS OR ENGLISH 2 HONORS.

The AP course in English Language and Composition will train students to become skilled readers of prose written in a variety of periods, disciplines, and rhetorical contexts. The objective of the course is to help students become flexible writers, proficient in a variety of modes for a variety of purposes through frequent practice and helpful, insightful criticism. Both reading and writing will make students aware of the interaction between authorial purpose, audience needs, the subject itself, generic conventions, and resources of language: syntax, diction, and tone. Students are expected to submit a summer reading and writing assignment the second day of English class. Likewise, students should be academically motivated to accept the rigor and challenge of college level work.

AP LITERATURE AND COMPOSITION (1001430)

GRADE LEVEL: 12 CREDIT: 1.0

PREREQUISITE: 3.0 OR HIGHER GPA, LEVEL 3 OR HIGHER ON THE FSA/ELA, B OR HIGHER IN AP LANGUAGE AND COMPOSITION.

The AP course in English Literature and Composition demands close and insightful reading of literary texts and sophisticated written analysis of those texts. The study of literature focuses on three genres (the novel, drama, and poetry) and prepares students as mature readers and skilled writers through frequent practice. Particular attention will be devoted to diction, tone, syntax, figurative language and other literary devices as they influence and define authorial purposes and textual themes. The objective of the course is to promote proficient college-level writers through frequent practice and helpful, insightful criticism. Students are expected to submit a summer reading and writing assignment the second day of English class. Likewise, students should be academically motivated to accept the rigor and challenge of college level work.

AP MACROECONOMICS (2102370)

GRADE LEVEL: 12 CREDIT: .50

PREREQUISITE: 3.0 OR HIGHER GPA, LEVEL 3 OR HIGHER FSA/ELA, A OR HIGHER IN US HISTORY OR B OR HIGHER IN AP US HISTORY OR AMH 1010/1020.

The purpose of this course is to give students a thorough understanding of the principles of economics that apply to an economics system. The course places emphasis on the study of national income and price-level determination, and develops

student's familiarity with economic performance measures, the financial sector, stabilization policies, economic growth, and international economics. This course is paired with The American Economic Experience: Scarcity & Choice Honors.

AP MUSIC THEORY (1300330)

GRADE LEVEL: 9,10,11,12 CREDIT: 1.0

PREREQUISITE: 3.0 OR HIGHER GPA, LEVEL 3 OR HIGHER FSA/ELA, PREVIOUS AND CURRENT ENROLLMENT IN A HIGH SCHOOL MUSIC PROGRAM AND AT LEAST TWO YEARS OF PERFORMANCE EXPERIENCE WITH AN INSTRUMENT OR VOICE. REQUIRES DIRECTOR APPROVAL.

This course is designed to parallel the music theory curriculum that is required by all first-year music major and minor degrees at the university level. In order to successfully complete this course, students are expected to have several years of formal performance experience and education with an instrument or voice. This course will cover all the AP Music Theory defined scoring components. Students must already possess a basic working knowledge of pitch and rhythm and be proficient in reading at least one musical clef.

AP PHYSICS 1: ALGEBRA BASED (2003421)

GRADE LEVEL: 11,12 CREDIT: 1.0

PREREQUISITE: 3.0 OR HIGHER GPA, LEVEL 3 OR HIGHER FSA/ELA, B OR HIGHER IN GEOMETRY, MUST BE CONCURRENTLY TAKING HONORS ALGEBRA 2. AP PHYSICS IS NOT RECOMMENDED FOR STUDENTS WHO HAVE ALREADY TAKEN PHYSICS 1 HONORS.

This is an algebra-based, introductory college-level physics course designed to be taken in lieu of Honors Physics. Students cultivate their understanding of Physics through inquiry-based investigations as they explore topics such as Newtonian mechanics (including rotational motion); work, energy, and power; mechanical waves and sound; and introductory, simple circuits. This course requires that 25 percent of the instructional time will be spent in hands-on laboratory work, with an emphasis on inquiry-based investigations that provide students with opportunities to apply science practices. A lab donation will be requested to help finance laboratory activities.

AP PSYCHOLOGY (2107350)

GRADE LEVEL: 11,12 CREDIT: 1.0

PREREQUISITE: 3.0 OR HIGHER GPA, LEVEL 3 ON MOST RECENT FSA/ELA.

Students will explore the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students will be expected to take notes from lecture, complete study packets from Textbook readings at home, participate in discussions, and work as individuals and in groups on various projects, such as the popular Sensation and Perception Fair. Students opting to take this course should possess analytical and interpretive skills, be able to express themselves with clarity and precision, and have the dedication to complete out of class reading and memory formation. Students will be expected to complete daily homework including but not limited to defining vocabulary, applying vocabulary, and completing online quizzes and tests.

AP RESEARCH - CAPSTONE (1700510)

GRADE LEVEL: 11 CREDIT: 1.0

PREREQUISITE: 3.0 OR HIGHER GPA, SUCCESSFUL COMPLETION OF AP SEMINAR AND AP SEMINAR TEACHER RECOMMENDATION

Build on what you learned in AP Seminar to deeply explore an academic topic, problem, or issue of individual interest. Through this exploration, you will design, plan, and conduct a year-long research-based investigation to address a research question. AP Research is an interdisciplinary course that encourages students to demonstrate critical thinking, learn research methodology, and use ethical research practices to explore a topic of the student's choosing. Research will culminate in the development of a 4000–5000-word academic paper and presentation with oral defense. To accommodate the wide range of student topics, typical college course equivalents for AP Research include introductory research or general elective courses.

AP SEMINAR - CAPSTONE (1700500)

GRADE LEVEL: 10 CREDIT: 1.0

PREREQUISITE: 3.0 OR HIGHER GPA, A OR B IN AP HUMAN GEOGRAPHY & AP HUMAN TEACHER RECOMMENDATION.

AP Seminar is a year-long course that has students investigate real-world issues from multiple perspectives. Students learn to synthesize information from different sources, develop their own lines of reasoning in research-based written essays, and design and deliver oral and visual presentations, both individually and as part of a team.

AP SPANISH LANGUAGE & CULTURE (0708400)

GRADE LEVEL: 11,12 CREDIT: 1.0

PREREQUISITE: 3.0 OR HIGHER GPA, LEVEL 3 OR HIGHER FSA/ELA, B OR HIGHER IN SPANISH 4 HONORS. NATIVE SPEAKERS WILL BE GIVEN AN ASSESSMENT TEST TO DETERMINE PLACEMENT.

Emphasis will be placed on speaking, reading, and writing fluently as related to the six AP Spanish themes. Students will be required to complete a summer assignment based on the six themes. Students will be expected to take the AP Spanish Language

exam in May. This course will be demanding because it is a college level class. Students will be required to complete research and create presentations based on the themes outside of the class setting for classroom presentations.

AP STATISTICS (1210320)

GRADE LEVEL: 10,11,12 CREDIT: 1.0

PREREQUISITE: 3.0 OR HIGHER GPA, LEVEL 3 OR HIGHER FSA/ELA, A OR HIGHER EACH SEMESTER OF ALGEBRA 2 OR B OR HIGHER EACH SEMESTER OF ALGEBRA 2 HONORS.

AP Statistics is based on an introductory college statistics class. The College Board provides the curriculum. Topics include but are not limited to, univariate data, normal distributions, bivariate data, probability and statistical inference. The summer assignment is due the first week of school. Writing is an essential part of this course.

AP WORLD HISTORY (2109420)

GRADE LEVEL: 10 CREDIT: 1.0

PREREQUISITE: 3.0 OR HIGHER GPA, LEVEL 3 OR HIGHER FSA/ELA, A OR HIGHER IN WORLD GEOGRAPHY OR B OR HIGHER IN AP HUMAN GEOGRAPHY.

AP World History is designed to develop greater understanding of the evolution of global processes and contacts in different types of human societies. This understanding is advanced through a combination of selective factual knowledge and appropriate analytical skills. The course highlights the nature of change in global frameworks and their causes and consequences, as well as comparisons among major societies. It emphasizes relevant factual knowledge, leading interpretive issues, and skills in analyzing types of historical evidence. Specific themes provide further organization to the course, along with consistent attention to contacts among societies that form the core of world history as a field of study. Students should expect nightly reading, daily lecture notes, class discussions on reading, and completion of study guides, projects, essays and short answer questions. This is one of the only AP courses offered to sophomores, and students are provided with support and resources to help transition them during this college level course.

AP UNITED STATES GOVERNMENT AND POLITICS (2106420)

GRADE LEVEL: 12 CREDIT: .50

PREREQUISITE: 3.0 OR HIGHER GPA, LEVEL 3 OR HIGHER FSA/ELA, A OR HIGHER IN US HISTORY OR B OR HIGHER IN AP US HISTORY OR AMH 1010/1020.

Students will acquire a critical perspective of politics and government in the United States. Students learn concepts used to interpret U.S. politics and analyze specific case studies. Students become familiar with the various institutions, groups, beliefs and ideas that constitute the U.S. political perspective. Content includes federalism and separation of powers, the Constitution, political processes and opinions, the role of political parties and other agents of political influence, and the development of civil rights and liberties. This course is paired AP Comparative Government.

AP UNITED STATES HISTORY (2100330)

GRADE LEVEL: 11 CREDIT: 1.0

PREREQUISITE: 3.0 OR HIGHER GPA, LEVEL 3 OR HIGHER FSA/ELA, A OR HIGHER IN WORLD HISTORY OR B OR HIGHER IN WORLD HISTORY HONORS OR AP WORLD HISTORY.

This course provides students with the analytical skills and factual knowledge necessary to deal critically with documents and key issues in U.S. history. Students learn to assess historical materials and weigh the evidence presented in any historical era. Students will be required to analyze and interpret primary sources and will be expected to take notes from printed materials and lectures or discussions. Students will write essay examinations and demonstrate other writing styles. This course will also link events from the past with current events.

Dual-Enrollment

WRITTEN COMMUNICATION I/II (ENC1101)/(ENC1102)

GRADE LEVEL: 11,12 CREDIT: 2.0

PREREQUISITE: MUST HAVE MET ALL REQUIREMENTS FOR USF DUAL-ENROLLMENT. B OR HIGHER IN AMERICAN LITERATURE HONORS OR B OR HIGHER IN ENGLISH 2 HONORS.

ENC1101 encompasses grammar and diction review, composition, expository writing, work with both primary and multiple source themes, instruction in the use of the library and writing the research paper, as well as practice in oral communication. ENC1102 includes an introduction to literature with an emphasis on reading critically and analytically, understanding literary terminology and techniques, and writing about literature. Dual-Enrollment is a Gordon Rule course that requires a minimum of

6000 written words each semester. Likewise, students should be academically motivated to accept the rigor and challenge of college level work.

COLLEGE ALGEBRA (MAC1105)

GRADE LEVEL: 10,11,12 CREDIT: 1.0

PREREQUISITE: MUST HAVE MET ALL REQUIREMENTS FOR USF DUAL-ENROLLMENT.

College Algebra will be paired with Trigonometry Honors which is a high school level course. College Algebra is a rigorous introduction to the math concepts necessary for successful study of pre-calculus and trigonometry. This course is primarily a conceptual study of functions and graphs, their applications and of systems of equations and inequalities. Linear, quadratic, rational, absolute value, radical, exponential and logarithmic functions will be investigated. The use of a graphing calculator is integrated throughout the course.

US HISTORY I/II (AMH2010/AMH2020)

GRADE LEVEL: 11 CREDIT: 1.0

PREREQUISITE: MUST HAVE MET ALL REQUIREMENTS FOR USF DUAL-ENROLLMENT.

AMH2010 covers the European discoveries of the Western Hemisphere to the end of Reconstruction. Emphasis is on historical study to determine the social, economic, and political issues through Reconstruction. AMH2020 covers the end of Reconstruction to the present. Emphasis is placed on historical study to determine the social, economic, and political problems of the 20th and 21st centuries.

EDUCATION, DIVERSITY AND GLOBAL SOCIETY (EDF2085)

GRADE LEVEL: 11,12 CREDIT: .50

PREREQUISITE: MUST HAVE MET ALL REQUIREMENTS FOR USF DUAL-ENROLLMENT.

The course explores the role of formal and informal education within an increasingly diverse and global society. The course covers sociocultural approaches to education with a focus on immigration, race, gender, language, sexuality, and ability.

INTRODUCTION TO TECHNOLOGY FOR EDUCATORS (EME2040)

GRADE LEVEL: 11,12 CREDIT: .50

PREREQUISITE: MUST HAVE MET ALL REQUIREMENTS FOR USF DUAL-ENROLLMENT.

Designed as an introduction to computer technology and its role in teaching and learning processes. Topics include educational software, ethical and social issues, hardware, interactive multimedia, models for integrating technology into instruction, productivity tools and telecommunications.

INTRODUCTION TO THE TEACHING PROFESSION (EDF2005)

GRADE LEVEL: 11,12 CREDIT: .50

PREREQUISITE: MUST HAVE MET ALL REQUIREMENTS FOR USF DUAL-ENROLLMENT.

Introductory survey course required for admission into the College of Education. A broad overview of the history, sociology and philosophy of education in the United States focuses on education as a field of study and teaching as a profession. Includes lecture and field experience.

English

ENGLISH 1 (1001310)

GRADE LEVEL: 9 CREDIT: 1.0

This Language Arts Florida Standards course provides 9th grade students integrated language arts study skills in reading, writing, speaking, listening, and language for college and career preparation and readiness. The content includes the active reading of text, analysis of literature and informational text from varied literary periods and writing for varied purposes. The course also includes understanding strategies for effective listening and speaking with emphasis on the use of evidence to support or refute claims.

ENGLISH HONORS 1 (1001320)

GRADE LEVEL: 9 CREDIT: 1.0

PREREQUISITE: B OR HIGHER IN 8TH GRADE ADVANCED LANGUAGE ARTS OR A IN 8TH GRADE LANGUAGE ARTS; LEVEL 3 OR HIGHER ON THE FSA/ELA.

This Language Arts Florida Standards course provides 9th grade students integrated language arts study skills in reading, writing, speaking, listening, and language for college and career preparation and readiness. Content includes the active reading of text,

analysis of literature and informational text from varied literary periods and writing for varied purposes. Through the application, analysis, evaluation, and creation of complex ideas that are often abstract and multi-faceted, students are challenged to think and collaborate critically on the content they are learning. The course also includes understanding strategies for effective listening and speaking with emphasis on the use of evidence to support or refute claims.

WORLD LITERATURE HONORS (1020850)

GRADE LEVEL: 9 CREDIT: 1.0

PREREQUISITE: B OR HIGHER IN ENGLISH HONORS 1 TAKEN IN 8TH GRADE; LEVEL 3 OR HIGHER ON THE FSA/ELA.

This course is designed exclusively for 9th grade students who have successfully completed English I Honors at the 8th grade level and is the equivalent of English 2 Honors for freshmen. This course provides instruction in universal themes found in World Literature as well as the critical analysis of various genres in that literature. Composition instruction emphasizes the creative, logical, and critical aspects of the writing process. This course is designed to prepare students for American Literature Honors(10th), Advanced Placement Language and Composition (11th), and Advanced Placement Literature and Composition (12th).

ENGLISH 2 (1001340)

GRADE LEVEL: 10 CREDIT: 1.0

This Language Arts Florida Standards course provides 10th grade students integrated language arts study skills in reading, writing, speaking, listening, and language for college and career preparation and readiness. The content includes the active reading of literary and informational text, particularly pertaining to Greek mythology, the Renaissance period, and selections from world literature. The course also includes understanding strategies for effective listening and speaking with emphasis on the use of evidence to support or refute claims.

ENGLISH HONORS 2 (1001350)

GRADE LEVEL: 10 CREDIT: 1.0

PREREQUISITE: B OR HIGHER IN ENGLISH 1 HONORS OR A OR HIGHER IN ENGLISH 1; LEVEL 3 OR HIGHER ON THE FSA/ELA.

This Language Arts Florida Standards course provides 10th grade students integrated language arts study skills in reading, writing, speaking, listening, and language for college and career preparation and readiness. The content includes the active reading of literary and informational text, particularly pertaining to Greek mythology, the Renaissance period, and selections from world literature. Through the application, analysis, evaluation, and creation of complex ideas that are often abstract and multi-faceted, students are challenged to think and collaborate critically on the content they are learning. This course is designed to prepare students for AP Language and Composition or Dual Enrollment ENC 1101 and 1102.

AMERICAN LITERATURE HONORS (1020810)

GRADE LEVEL: 10,11 CREDIT: 1.0

PREREQUISITE: B OR HIGHER IN WORLD LITERATURE HONORS OR ENGLISH 2 HONORS; A OR HIGHER IN ENGLISH 2; LEVEL 3 OR HIGHER ON THE FSA/ELA.

This course provides an integrated and accelerated investigation of major literary works in the American tradition. Literature study consists of written and oral analysis of the traditional literary canonical American works that make up the historical and contemporary American experience. While analyzing a variety of genres representing the Colonial Period to present, students will practice complex written analyses, visual and oral presentations, and research projects and papers in preparation for AP Language and Composition, AP Literature and Composition, or Dual Enrollment ENC 1101 and ENC 1102.

ENGLISH 3 (1001370)

GRADE LEVEL: 11 CREDIT: 1.0

This Language Arts Florida Standards course provides 11th grade students integrated language arts study skills in reading, writing, speaking, listening, and language for college and career preparation and readiness. This course includes an examination of significant literary works and informational text from the American experience. Instruction will parallel and compliment the course of study in American History. Students will produce a major project and documented paper on a topic that connects both subjects.

AICE GENERAL PAPER (1009400)

GRADE LEVEL: 12 CREDIT: 1.0

PREREQUISITE: ENGLISH 3 AND PROFICIENT ON FSA/ELA

The purpose of this course is to encourage students to make cross-curricular links to develop a maturity of thought, appropriate to students at this level and to achieve an understanding and usage of the English language. These skills enable them to express arguments, ideas, and opinions in a reflective and academic manner. An awareness of the wider implications of issues will enhance the quality of the students' responses to the questions. General Paper is not a test of general knowledge. The key

objective is for students to convey information and/or opinions in a way that is thoughtful, perceptive, and intelligent to the reader.

ENGLISH 4 (1001400)

GRADE LEVEL: 12 CREDIT: 1.0

This Language Arts Florida Standards course is the thematic study of literature from ancient classics to modern selections. The course targets student learning by using reading strategies to construct meaning from the text and acquire vocabulary; using writing strategies; using student inquiry and self-monitoring techniques; using speaking, listening and viewing strategies; understanding and responding to a variety of literary forms and a variety of media; and understanding and using language successfully. Writing includes literary analysis essays and a senior exit project.

ENGLISH 1 – 4 THROUGH ESOL (1002300-1002520)

GRADE LEVEL: 9,10,11,12 CREDIT: 1.0

PREREQUISITE: ESOL TEACHER APPROVAL.

These courses provide instruction to speakers whose first language is not English. The main goal of these courses is the acquisition of the English communication skills needed for success in an academic setting. Emphasis will be placed on literature, writing skills, and English grammar. These courses will meet graduation requirements for English 1 through 4.

Mathematics

ALGEBRA 1A (1200370)

GRADE LEVEL: 9 CREDIT: 1.0

PLACEMENT IS BASED ON ACADEMIC HISTORY.

This course is the first half of a two-year Algebra 1 program. Fundamental concepts of algebra will be presented at a more gradual pace than in a traditional Algebra 1 course. The fundamental purpose of this course is to formalize and extend the mathematics that students learned in the middle grades. The primary focus of Algebra 1A will be on deepening the understanding of the relationships between quantities and reasoning with equations as well as linear and exponential relationships. Successful completion of both Algebra 1A and Algebra 1B will satisfy the Algebra 1 graduation requirement and students will take the Algebra 1 FSA/EOC at the conclusion of Algebra 1B, which will count for 30% of their grade.

ALGEBRA 1B (1200380)

GRADE LEVEL: 10 CREDIT: 1.0

PREREQUISITE: CREDIT IN ALGEBRA 1A.

This course is the second half of a two-year Algebra 1 program. The primary focus of this course will be on descriptive statistics, expressions and equations, and quadratic functions and modeling. Successful completion of both Algebra 1A and Algebra 1B will satisfy the Algebra 1 graduation requirement and students will take the Algebra 1 FSA/EOC at the conclusion of Algebra 1B, which will count for 30% of their grade.

ALGEBRA 1 (1200310)

GRADE LEVEL: 9 CREDIT: 1.0

PREREQUISITE: PLACEMENT IS BASED ON ACADEMIC HISTORY.

The fundamental purpose of this course is to formalize and extend the mathematics that students learned in the middle grades. The critical areas, called units, deepen and extend understanding of linear and exponential relationships by contrasting them with each other and by applying linear models to data that exhibit a linear trend, and students engage in methods for analyzing, solving, and using quadratic functions. The Standards for Mathematical Practice apply throughout each course, and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations. Students will take the Algebra 1 FSA/EOC at the conclusion of Algebra 1, which will count for 30% of their grade.

GEOMETRY (1206310)

GRADE LEVEL: 9-11 CREDIT: 1.0

PREREQUISITE: C OR HIGHER IN ALGEBRA 1 AND A PASSING SCORE ON THE ALGEBRA 1 EOC OR CREDIT IN LIBERAL ARTS MATH 1 OR CREDIT IN ALGEBRA 1A/1B.

The fundamental purpose of the course in Geometry is to formalize and extend students' geometric experiences from the middle grades. Students explore more complex geometric situations and deepen their explanations of geometric relationships,

moving towards formal mathematical arguments. Students will take the Florida Geometry FSA/EOC at the conclusion of the course, which will count for 30% of their grade.

GEOMETRY HONORS (1206320)

GRADE LEVEL: 9-10 CREDIT: 1.0

PREREQUISITE: A OR HIGHER EACH SEMESTER IN ALGEBRA 1 OR B OR HIGHER EACH SEMESTER OF ALGEBRA 1 HONORS AND A PASSING SCORE ON THE ALGEBRA 1 EOC.

The fundamental purpose of the course in Geometry is to formalize and extend students' geometric experiences from the middle grades. Students explore more complex geometric situations and deepen their explanations of geometric relationships, moving towards formal mathematical arguments. Students will take the Florida Geometry FSA/EOC at the conclusion of the course, which will count for 30% of their grade. The honors course targets the highly motivated student who has mastered Algebra.

LIBERAL ARTS MATH 1 (1207300)

GRADE LEVEL: 9,10,11,12 CREDIT: 1.0

PREREQUISITE: CREDIT IN ALGEBRA 1 OR GEOMETRY OR HAVE NOT PASSED THE ALGEBRA 1 EOC.

This course strengthens operations of real numbers, ration and proportions, percent, the algebra sets, integers, polynomials, factoring, algebraic expressions, equations and inequalities, graphs, systems of equations and inequalities, quadratic equations and the geometry of angles, lines, similarity, and congruence. This course does not meet NCAA eligibility requirements.

ALGEBRA 2 (1200330)

GRADE LEVEL: 9,10,11,12 CREDIT: 1.0

PREREQUISITE: B OR ABOVE EACH SEMESTER OF ALGEBRA 1 AND GEOMETRY, OR C IN ALGEBRA 1 HONORS AND GEOMETRY HONORS & PLACEMENT TEST.

This course continues from Algebra 1. Topics covered include, linear functions and systems, quadratics, polynomials, radicals, rational expressions, graphing various functions and some basic probability, statistics and trigonometry.

ALGEBRA 2 HONORS (1200340)

GRADE LEVEL: 9,10,11 CREDIT: 1.0

PREREQUISITE: B OR HIGHER EACH SEMESTER OF GEOMETRY HONORS & PLACEMENT TEST.

Strong background from basic skills to Algebra 1 skills. A deeper look at Algebra 1 skills with a greater focus on the foundations and relations to real world applications and word problems. Students will be required to describe, graph and transform algebraic parent functions. Students need to have an excellent work ethic both in class and at home, as homework is a vital part of the honors program.

ADVANCED TOPICS IN MATHEMATICS (1298310)

GRADE LEVEL: 10,11,12 CREDIT: 1.0

PREREQUISITE: B OR HIGHER IN MATH FOR COLLEGE READINESS AND CREDIT IN ALGEBRA 2 OR C OR HIGHER IN ALGEBRA 2.

This course is a continuation of Algebra 2. Topics covered include, matrices, radicals and complex numbers, quadratics, solving polynomials, rational expressions, graphing numerous functions, conic sections, logarithmic functions and some basic probability, statistics and trigonometry.

TRIG HONORS (1211300)/MATH ANALYSIS HONORS (1201300)

GRADE LEVEL: 10,11,12 CREDIT: 1.0

PREREQUISITE: C OR HIGHER EACH SEMESTER OF ALGEBRA 2 HONORS OR B OR HIGHER EACH SEMESTER OF ALGEBRA 2.

Trigonometric topics include the study of trigonometric functions and applications, analytic trigonometry, vectors, trigonometric form of complex numbers, and polar coordinates. Math analysis is designed to enhance the knowledge of algebra through the study of functions. Topics include polynomial, rational, exponential, logarithmic, piece wise and absolute value functions, statistics and probability, and matrices. In order to be successful in this course, algebra skills, including factoring, graphing, and solving equations is necessary. A graphing calculator will be needed for these courses.

FINANCIAL ALGEBRA (1200387)

GRADE LEVEL: 11,12 CREDIT: 1.0

PREREQUISITE: B OR BELOW IN MATH FOR COLLEGE READINESS OR D OR BELOW IN ALGEBRA 2 OR C OR BELOW IN GEOMETRY AND NO CREDIT IN LIBERAL ARTS MATH.

The financial literacy focus of this course provides a real-life framework to apply upper-level mathematics standards. In our consumer-based society, a mathematics course that addresses the results of financial decisions will result in more fiscally responsible citizens. This course will give students the opportunity to apply mathematics found in financial topics such as

personal investments, retirement planning, credit card interest, and savings. Financial Algebra is designed for students who have completed Algebra 1 and Geometry. This course does not meet NCAA eligibility requirements.

MATH FOR COLLEGE READINESS (1200700)

GRADE LEVEL: 11,12 CREDIT: 1.0

PREREQUISITE: C OR HIGHER IN BOTH ALGEBRA 1 AND GEOMETRY AND NO CREDIT IN LIBERAL ARTS OR BELOW C IN ALGEBRA 2.

Designed to help strengthen the skills necessary for success in college level math courses, topics covered include linear functions, systems, polynomials, radicals, quadratics, and rational expressions.

PRECALCULUS HONORS (1202340)

GRADE LEVEL: 10,11,12 CREDIT: 1.0

PREREQUISITE: A IN ALGEBRA 2, B OR HIGHER IN ALGEBRA 2 HONORS OR B OR HIGHER IN BOTH MATH ANALYSIS HONORS & TRIG HONORS

Topics include the study of the following functions: polynomial, rational, radical, absolute value, trigonometric functions, trigonometric equations vectors, exponential and logarithmic. An emphasis will be placed on solving applications by mathematical modeling. This course is intended for students who will follow the calculus sequence. Use of a graphing calculator is integrated throughout this course.

Science

AGRISCIENCE FOUNDATIONS 1 (8106810)

Grade Level: 9,10,11,12 CREDIT: 1.0

This science course is designed to develop competencies in the areas of agricultural history and the global impact of agriculture; career opportunities; scientific and research concepts; biological and physical science principles; environmental principles; agriscience safety; principles of leadership; and agribusiness, employability, and human relations skills in agriscience.

Laboratory-based activities are an integral part of this course. This course is a per-requisite for all other agricultural courses unless otherwise stated.

PHYSICAL SCIENCE (2003310)

GRADE LEVEL: 9 CREDIT 1.0

This course begins by developing and extending the understanding of and skills in the scientific process, which will be used to evaluate scientific studies and experiments. Students will conduct an in-depth examination of physical science concepts around properties of matter, atomic structure, and changes in matter. Students will also explore energy, motion, force and how science, technology, and society interact. A lab donation will be requested to help finance laboratory activities.

BIOLOGY 1 HONORS (2000320)

GRADE LEVEL: 9,10 CREDIT: 1.0

PREREQUISITE: B OR HIGHER IN PREVIOUS SCIENCE COURSES & LEVEL 3 OR HIGHER ON THE FSA/ELA.

In addition to the Biology 1 requirements, this course covers the content at a faster rate and in more depth. Extensive use of lab equipment and conducting experiments are an integral part of this course. Significant projects are required of students in most of the units. Students at the end of this course take the Biology End of Course Exam that counts as 30% of their course grade. A lab donation will be requested to help finance laboratory activities.

ENVIRONMENTAL SCIENCE (2001340)

GRADE LEVEL: 10,11,12 CREDIT: 1.0

PREREQUISITE: CREDIT IN PHYSICAL SCIENCE.

This course is a laboratory-based science class emphasizing the function of the Earth's systems. Emphasis is placed on the human interactions with the Earth's geologic and environmental systems, predictability of a dynamic Earth, origin and evolution of the Earth system and universe, geochemical cycles and energy in the Earth system. A lab donation will be requested to help finance laboratory activities.

MARINE SCIENCE (2002500)

GRADE LEVEL: 10,11,12 CREDIT: 1.0

PREREQUISITE: CREDIT IN PHYSICAL SCIENCE.

This course provides students with a basic survey of the Marine Biome, including the origin of oceans, ecological issues, diversity of organisms and marine habitats, and the chemical, physical, geological aspects of the marine environment. Laboratory

investigations that include the use of scientific inquiry, research, measurement, problem solving, experimental procedures and safety are an integral part of this course. Homework and cooperative interdisciplinary projects are required for this course. A lab donation will be requested to help finance laboratory activities.

BIOLOGY 1 (2000310)

GRADE LEVEL: 10* - 11 CREDIT: 1.0

*PREREQUISITE: PASSED PREVIOUS SCIENCE COURSES & *MUST HAVE SCORED LEVEL 3 OR HIGHER ON FSA/ELA*

Biology begins by developing and extending the understanding of and skills in the scientific process, which will be used to evaluate scientific studies and experiments in the context of biochemistry. Students will conduct an in-depth examination of the biological concepts around ecology, cells, genetics, evolution, classification, and anatomy & physiology. Throughout the course students will also examine how science, technology, and science interact. Students take the Biology End of Course Exam that counts as 30% of their course grade. A lab donation will be requested to help finance laboratory activities.

CHEMISTRY 1 (2003340)

GRADE LEVEL: 10,11,12 CREDIT: 1.0

PREREQUISITE: B OR HIGHER IN BIOLOGY 1, OR C OR HIGHER IN BIOLOGY 1 HONORS, AND B OR HIGHER IN ALGEBRA 1 OR ALGEBRA 2, C OR HIGHER IN ALGEBRA 1 HONORS OR ALGEBRA 2 HONORS

This course appeals to the college-bound non-science major, and to those students interested in technical training. This course relates chemistry to real world decisions required of business executives, social scientists, technical and health field's workers, and informed citizens in general. Skills are developed through reading assignments, laboratory activities, problem solving and homework. A lab donation will be requested to help finance laboratory activities.

CHEMISTRY 1 HONORS (2003350)

GRADE LEVEL: 10,11,12 CREDIT: 1.0

PREREQUISITE: B OR HIGHER IN BIOLOGY 1 HONORS & B OR HIGHER IN ALGEBRA 1 HONORS OR ALGEBRA 2 HONORS OR A OR HIGHER IN ALGEBRA 1 OR ALGEBRA 2.

This advanced level course is designed to cover the theme that properties of matter are a consequence of its structure. Some of the specific topics covered are scientific method, density, chemical and physical changes, formulas, molecular relationships, electron arrangements, periodic table, chemical bonding, ionic compounds, stoichiometry, oxidation/reduction, organic and nuclear chemistry. Good laboratory skills are essential. This course is strongly recommended for all students planning on receiving a college degree or entering a scientific field. A lab donation will be requested to help finance laboratory activities.

CHEMISTRY 2 HONORS (2003360)

GRADE LEVEL: 11,12 CREDIT: 1.0

PREREQUISITE: A OR HIGHER IN CHEMISTRY 1 OR B OR HIGHER IN CHEMISTRY 1 HONORS

This course will allow students to proceed in their science path through a more in-depth study of Chemistry, focusing on objectives not covered in Chemistry 1 or Chemistry 1 Honors. This course will be an option for students wishing to better prepare for AP Chemistry and AP Biology. Quarter 1 will review Chemistry 1 material: stoichiometry, oxidation/reduction, organic and nuclear chemistry. Quarters 2-4 will allow for an in-depth study of equilibrium, thermochemistry, Acids/Bases, redox and Organic Chemistry. Good laboratory skills are essential. A lab donation will be requested to help finance laboratory activities.

ANATOMY & PHYSIOLOGY HONORS (2000360)

GRADE LEVEL: 11,12 CREDIT: 1.0

PREREQUISITE: A OR HIGHER IN CHEMISTRY 1 OR B OR HIGHER IN CHEMISTRY 1 HONORS.

The purpose of this course is to provide students with exploratory and advanced activities in the structure and functions of components of the human body. The content includes anatomical terminology, cells and tissues, homeostasis, disease processes, immune response, heredity, and a survey of the following systems: integumentary, skeletal, muscular, nervous, endocrine, circulatory, respiratory, reproductive and excretory. Laboratory activities, including animal dissections, are an integral part of this course as well as scientific research. A lab donation will be requested to help finance laboratory activities.

MARINE SCIENCE HONORS (2002510)

GRADE LEVEL: 11,12 CREDIT: 1.0

PREREQUISITE: B OR HIGHER IN CHEMISTRY 1 OR CHEMISTRY 1 HONORS AND B OR HIGHER IN ALGEBRA 1.

This course provides students with an in-depth survey of the marine biome. Content includes the origins of the oceans, ecology of sea zones, marine communities, diversity of organisms, characteristics of major marine ecosystems, characteristics of major marine phyla/divisions as well as the chemical, physical and geological aspects of the marine environment. The interrelationships between people and the ocean is a universal theme in this course. Local flora and fauna will be emphasized with potential off-

campus projects and activities. Homework and cooperative interdisciplinary projects are required for this course as well as a science research project completed outside of class. A lab donation will be requested to help finance laboratory activities.

PHYSICS 1 HONORS (2003390)

GRADE LEVEL: 11,12 CREDIT: 1.0

PREREQUISITE: B OR HIGHER IN CHEMISTRY 1 HONORS AND B OR HIGHER IN GEOMETRY HONORS. ALGEBRA 2 CAN BE TAKEN CONCURRENTLY.

This course is designed for university bound students and is especially appropriate for students whose career may be in medicine, engineering, architecture, physical therapy or other sciences. The course emphasizes Newtonian Mechanics, fluid mechanics and thermal physics, electricity and magnetism, waves and optics, and atomic and nuclear physics. Laboratory activities are thorough and require considerable data processing and understanding of the concepts. A lab donation will be requested to help finance laboratory activities.

Social Studies

WORLD CULTURAL GEOGRAPHY (2103300)

GRADE LEVEL: 9 CREDIT: 1.0

This course is the study of people, places, and possibilities around the world. It is a passport to discovering the mysteries, culture, traditions, and differences among groups of people. Information is used to promote increased cultural tolerance and ethnic sensitivity, as we analyze the triumphs and the tragedies of other countries and civilizations to improve our own lives. Students use geographic and cultural themes to achieve perspective and focus in an ever-changing world and to compete and contribute in a more global society in the 21st century. This is a required course of all 9th graders unless otherwise determined by administration.

WORLD HISTORY (2109310)

GRADE LEVEL: 10 CREDIT: 1.0

World History provides a framework of history and geography that encourages students to investigate the impact and contributions of ancient civilizations on modern society as well as taking an active role in the global community. Students will gain an understanding of how individuals shape history, how history impacts the individual, how the past can help to make future decisions, and how personal experience impacts the interpretation of events, issues, and people.

WORLD HISTORY HONORS (2109320)

GRADE LEVEL: 10 CREDIT: 1.0

PREREQUISITE: A OR HIGHER IN WORLD CULTURAL GEOGRAPHY OR B OR HIGHER IN AP HUMAN GEOGRAPHY.

In addition to the content in World History, this Honors course provides opportunities for students to follow advanced pathways in the curriculum. Significant projects include but are not limited to analyzing artifacts and evaluating their impact, participating in seminar discussions, and conducting a major research project.

UNITED STATES HISTORY (2100310)

GRADE LEVEL: 11 CREDIT: 1.0

United States History allows students to examine U. S. History from Reconstruction to the 21st century. Students will analyze the historical development of the United States and prepare to be active citizens in a democratic nation and their role in a global community. Students will gain an understanding of how geography impacted political and economic development, the ideals of democracy and freedom, how internal and external conflicts led to opportunities, and the uniqueness of Florida's diverse history. Students will take the US History End of Course Exam which counts as 30% of their final course grade.

UNITED STATES HISTORY HONORS (2100320)

GRADE LEVEL: 11 CREDIT: 1.0

PREREQUISITE: A OR HIGHER IN WORLD HISTORY OR B OR HIGHER IN WORLD HISTORY HONORS OR AP WORLD HISTORY.

This course examines U.S. History from pre-Reconstruction to the 21st century. It offers opportunities to develop the critical skills of analysis, synthesis and evaluation in a more rigorous and reflective academic setting. Students are empowered to perform at higher levels as they engage in analyzing historical documents and supplementary readings, working in context of thematically categorized information, becoming proficient in note-taking, participating in Socratic seminars/discussions, emphasizing free-response and document-based writing, contrasting opposing viewpoints, solving problems, etc. Projects may include extended research-based paper/project, history fair submission, presentation for a debate or mock Congressional hearing, etc. Students take the US History End of Course Exam which counts as 30% of their final course grade.

ECONOMICS WITH FINANCIAL LITERACY (2102335)

GRADE LEVEL: 12 CREDIT: .50

The primary content emphasis for this course pertains to the study of the concepts and processes of the national and international economic systems. Content includes, but is not limited to, currency, banking, and monetary policy, the fundamental concepts relevant to the major economic systems, the global market and economy, major economic theories and economists, the role and influence of the government and fiscal policies, economic measurements, tools, and methodology, financial and investment markets, and the business cycle. This course is paired with US Government.

ECONOMICS WITH FINANCIAL LITERACY HONORS (2102345)

GRADE LEVEL: 12 CREDIT: .50

PREREQUISITE: A OR HIGHER IN US HISTORY OR B OR HIGHER IN AP US HISTORY OR AMH 1010/1020.

This course helps students gain knowledge and decision-making tools necessary to understand how society organizes its limited resources to satisfy its wants. Students will understand choices they must make as producers, consumers, investors, and taxpayers. Content includes economic reasoning, productive resources, scarcity-based choices, opportunity costs, interdependence, contemporary and historical economic issues, the role of money, the actions of the market along with government and financial institutions. This course is paired with United States Government Honors.

THE AMERICAN ECONOMIC EXPERIENCE: SCARCITY & CHOICE HONORS (2102390)

GRADE LEVEL: 12 CREDIT: .50

PREREQUISITE: C OR HIGHER IN AP MACROECONOMICS.

This second semester course is a companion to AP Macroeconomics. This course will examine the relationship of individuals, firms and governments interact and deal with scarcity, unemployment, and the efficient allocation of goods and services. This course is paired with AP Macroeconomics.

UNITED STATES GOVERNMENT (2106310)

GRADE LEVEL: 12 CREDIT: .50

The primary content pertains to the study of government institutions and political processes and their historical impact on American society. Content includes, but is not limited to, the functions and purpose of government, the function of the state, the constitutional framework, federalism, separation of powers, functions of the three branches of government at the local, state and national level, and the political decision-making process. This course is paired with Economics with Financial Literacy.

UNITED STATES GOVERNMENT HONORS (2106320)

GRADE LEVEL: 12 CREDIT: .50

PREREQUISITE: A OR HIGHER IN US HISTORY OR B OR HIGHER IN AP US HISTORY OR AMH 1010/1020.

This course consists of the following content area strands: Geography, Civics and Government. The primary content pertains to the study of government institutions and political processes and their historical impact on American society. Content includes the functions and purpose of government, the function of the state, the constitutional framework, federalism, separation of powers, and functions of the three branches of government at the local, state and national level. This course is paired with Economics with Financial Literacy Honors.

Arts/Visual Arts**2-D STUDIO ART 1 (0101300)**

GRADE LEVEL: 9,10,11,12 CREDIT: 1.0

This is an entry-level art class where students experiment with the media and techniques used to create a variety of two-dimensional (2-D) artworks through the development of skills in drawing, painting, printmaking, collage, and/or design. Students practice, sketch, and manipulate the structural elements of art to improve mark making and/or the organizational principles of design in a composition from observation, research, and/or imagination. Through the critique process, students evaluate and respond to their own work and that of their peers. This course incorporates hands-on activities and consumption of art materials, plus a materials fee. Students should expect to work bell to bell and have weekly homework.

2-D STUDIO ART 2 (0101310)

GRADE LEVEL: 11,12 CREDIT: 1.0

PREREQUISITE: THIS COURSE REQUIRES PRIOR COMPLETION OF AN ENTRY LEVEL AND LEVEL 1 COURSE.

Students develop and refine technical skills and create 2-D compositions with a variety of media in drawing, painting, printmaking, collage, and/or design. Student artists sketch, manipulate, and refine the structural elements of art to improve

mark making and/or the organizational principles of design in a composition from observation, research, and/or imagination. Through the critique process, students evaluate and respond to their own work and that of their peers. This course incorporates hands-on activities and consumption of art materials. Students should expect to work bell to bell and have weekly homework.

3-D STUDIO ART 1 (0101330)

GRADE LEVEL: 10,11,12 CREDIT: 1.0

PREREQUISITE: PRIOR ENTRY LEVEL COURSE

Students explore how space, mass, balance, and form combine to create aesthetic forms or utilitarian products and structures. Instruction may include, but is not limited to, content in green or industrial design, sculpture, or building arts. Media may include, but are not limited to, wood, plaster, and paper maché with consideration of the workability, durability, cost, and toxicity of the media used. Student artists consider the relationship of scale (i.e., hand-held, human, monumental) using positive and negative space or voids, volume, visual weight, and gravity to create low/high relief or freestanding structures for personal intentions or public places. They explore sharp and diminishing detail, size, position, overlapping, visual pattern, texture, implied line, space, and plasticity, reflecting craftsmanship and quality in the surface and structural qualities of the completed art forms. Students in the 3-D art studio focus on use of safety procedures for process, media, and techniques. Student artists use an art criticism process to evaluate, explain, and measure artistic growth in personal or group works. This course incorporates hands-on activities and consumption of art materials.

CERAMICS/POTTERY 1 (0102300)

GRADE LEVEL: 9,10,11,12 CREDIT: 1.0

Students explore how space, mass, balance, and form combine to create aesthetic forms or utilitarian products and structures. Instructional focus will be on ceramics and/or pottery. Media may include, but are not limited to, clay and/or plaster, with consideration of the workability, durability, cost, and toxicity of the media used. Student artists consider the relationship of scale (i.e., hand-held, human, monumental) using positive and negative space or voids, volume, visual weight, and gravity to create low/high relief or freestanding structures for personal intentions or public places. They explore sharp and diminishing detail, size, position, overlapping, visual pattern, texture, implied line, space, and plasticity, reflecting craftsmanship and quality in the surface and structural qualities of the completed art forms. Students in the ceramics and/or pottery art studio focus on use of safety procedures for process, media, and techniques. Student artists use an art criticism process to evaluate, explain, and measure artistic growth in personal or group works. This course incorporates hands-on activities and consumption of art materials, plus a materials fee. Students should expect to work bell to bell and have weekly homework.

CERAMICS/POTTERY 2 (0102310)

GRADE LEVEL: 10,11,12 CREDIT: 1.0

PREREQUISITE: PRIOR CERAMICS COURSE

Students explore spatial relationships using nonobjective, abstract, or representational forms, products, or structures. Instructional focus should be on ceramics and/or pottery. Processes and techniques for substitution may include, but are not limited to, wheel-thrown clay, glaze formulation and application. Media may include, but are not limited to, clay and/or plaster with consideration of the workability, durability, cost, and toxicity of the media used. Ceramic and/or pottery artists experiment with and manipulate space-producing devices, including overlapping, transparency, interpenetration, vertical and horizontal axis, inclined planes, disproportionate scale, fractional or abstracted representation, and spatial properties of the structural art elements. Craftsmanship and quality are reflected in the surface and structural qualities of the completed art forms. Students in the ceramics and/or pottery art studio focus on use of safety procedures for process, media, and techniques. Student artists use an art criticism process to evaluate, explain, and measure artistic growth in personal or group works. This course incorporates hands-on activities and consumption of art materials, plus a materials fee. Students should expect to work bell to bell and have weekly homework.

FINE CRAFT STUDIO ART 1 (0101440)

GRADE LEVEL: 9,10,11,12 CREDIT: 1.0

This course is designed for students interested in creating fine craft materials through sewing, jewelry making, and crafting. Students will create well-designed work that is utilitarian, purposeful, wearable, and/or sculptural in nature. This course may include, but is not limited to, content in metals, jewelry, glass, fabrics/fibers, clay, fashion design, and/or objects for interior or architectural design/embellishment. Students should be able to work independently and use analytical and problem-solving skills to improve personal work and help with that of their peers. An activity fee is required for this class as it incorporates hands-on activities and consumption of art materials. Students should expect to work bell to bell.

FINE CRAFT STUDIO ART 2 (0101450)

GRADE LEVEL: 10,11,12 CREDIT: 1.0

PREREQUISITE: FINE CRAFT STUDIO ART 1.

This class is a continuation of Fine Craft Studio 1. Students that would like to enhance the skills learned in the previous course may take this class to further hone their craft. As an upper level course, students are expected to create well designed and individually conceptualized work that is utilitarian, purposeful, wearable, and/or sculptural in nature. This course may include, but is not limited to, content in metals, jewelry, glass, fabrics/fibers, clay, fashion design, and/or objects for interior or architectural design/embellishment. Student artisans reflect on aesthetics and visual issues related to media and organizational principles of design, manipulating them to create works of art that are progressively more innovative. This course incorporates hands-on activities and consumption of art materials. Due to the nature of the course a materials fee is required. Students should expect to work bell to bell.

DRAW 1 (0104340)

GRADE LEVEL: 10,11,12 CREDIT: 1.0

PREREQUISITE: PRIOR ENTRY LEVEL COURSE

Students experiment with the media and techniques used to create a variety of two-dimensional (2-D) artworks through the development of skills in drawing. Students practice, sketch, and manipulate the structural elements of art to improve mark making and/or the organizational principles of design in a composition from observation, research, and/or imagination. Through the critique process, students evaluate and respond to their own work and that of their peers. This course incorporates hands-on activities and consumption of art materials, plus a materials fee. Students should expect to work bell to bell and have weekly homework.

PAINT 1 (0104370)

GRADE LEVEL: 10,11,12 CREDIT: 1.0

PREREQUISITE: PRIOR ENTRY LEVEL COURSE

Students experiment with the media and techniques used to create a variety of two-dimensional (2-D) artworks through the development of skills in painting. Students practice and manipulate the structural elements of art to improve mark making and/or the organizational principles of design in a composition from observation, research, and/or imagination. Through the critique process, students evaluate and respond to their own work and that of their peers. This course incorporates hands-on activities and consumption of art materials, plus a materials fee. Students should expect to work bell to bell and have weekly homework.

DIGITAL ART IMAGING 1 (0108370)

GRADE LEVEL: 9,10,11,12 CREDIT: 1.0

Students explore the fundamental concepts, terminology, techniques, and applications of digital imaging to create original work. Students produce digital still images through the single or combined use of computers, digital cameras, scanners, photo-editing software, drawing and painting software, graphic tablets, printers, new media, and emerging technologies. Through the critique process, students evaluate and respond to their own work and that of their peers to measure artistic growth. This course incorporates hands-on activities, the use of technology, and consumption of art materials.

DIGITAL ART IMAGING 2 (0108380)

GRADE LEVEL: 10,11,12 CREDIT: 1.0

PREREQUISITE: DIGITAL ART IMAGING 1

Students explore and develop concepts, terminology, techniques, and applications to design, create, print, and display original two-dimensional graphic and fine works of art. As they become more adept at using the tools and techniques available to them, students design digital still images through the single or combined use of computers, digital cameras, scanners, photo-editing software, drawing and painting software, graphic tablets, printers, new media, and emerging technologies. Through the critique process, students evaluate and respond to their own designs and images and those of their peers to measure artistic growth with increasing sophistication. This course incorporates hands-on activities, the use of technology, and consumption of art materials.

CREATIVE PHOTOGRAPHY 1 (0108310)

GRADE LEVEL: 9,10,11,12 CREDIT: 1.0

Students explore the aesthetic foundations of art making using beginning photography techniques. This course may include, but is not limited to, color and/or black and white photography via digital media. Students become familiar with the basic mechanics of a camera, including lens and shutter operation, compositional foundations and evaluating a successful print. Student photographers may use a variety of media and materials, such as single lens reflex camera, digital camera, computer application, filters, various papers, digital output, photogram and the Sabatier effect. Craftsmanship and quality are reflected in the surface

of the prints and the care of the materials. Photographers use an art criticism process to evaluate, explain, and measure artistic growth in personal or group works.

CREATIVE PHOTOGRAPHY 2 (0108320)

GRADE LEVEL: 10,11,12 CREDIT: 1.0

PREREQUISITE: CREATIVE PHOTOGRAPHY 1 OR WRITTEN PERMISSION BY INSTRUCTOR

Students experiment with a variety of photographic media and techniques and make connections with historical and contemporary photographers to develop a focused body of work. This course may include, but is not limited to, researching the history of photography, making connections to contemporary and community photographers, critiquing with varied techniques, and experimenting with a variety of photographic media. Processes and techniques include, but are not limited to, handcrafted pinhole cameras, hand-tinted photographs, mixed media, cyanotypes, medium format, photo collage, cross-processing, creative filters, infrared and slide film, night photography, macro, panoramic, and/or digital output via a variety of media. Craftsmanship and quality are reflected in the surface of the prints, care of the materials, attention to compositional conventions, and expression of ideas and feelings. Photographers use an art criticism process to evaluate, explain, and measure artistic growth in personal or group works. This course incorporates hands-on activities and consumption of art materials. Students will need to have daily access to camera other than cell phone camera.

YEARBOOK (0108370-390Y)

GRADE LEVEL: 9,10,11,12 CREDIT: 1.0

PREREQUISITE: COMPLETED APPLICATION, SUCCESSFUL PARTICIPATION IN PRIOR YEARBOOK PRODUCTION AND TEACHER APPROVAL.

This course provides experiences in the application of computer-generated imagery to the fields of graphic design and desktop publishing. Students design and produce the LRHS Yearbook through Adobe Photoshop and eDesign, an online desktop publishing application. Students are required to lay out pages, create graphics, take and edit photographs, create and sell advertisements, write stories and conduct interviews.

CTE: Agriculture, Food & Natural Resources

AGRISCIENCE FOUNDATIONS 1 (8106810)

Grade Level: 9,10,11,12 CREDIT: 1.0

This science course is designed to develop competencies in the areas of agricultural history and the global impact of agriculture; career opportunities; scientific and research concepts; biological and physical science principles; environmental principles; agriscience safety; principles of leadership; and agribusiness, employability, and human relations skills in agriscience. Laboratory-based activities are an integral part of this course. This course is a per-requisite for all other agricultural courses unless otherwise stated.

INTRODUCTORY HORTICULTURE 2 (8121510)

GRADE LEVEL: 9,10,11,12 CREDIT: 1.0

PREREQUISITE: AGRISCIENCE FOUNDATIONS

This elective and practical art course is designed to develop competencies in the areas of career opportunities; global importance of agriculture; plant classification; propagation; growing media; nutritional needs; fertilization; irrigation; pest identification; pest control.

HORTICULTURE SCIENCE 3 (8121520)

GRADE LEVEL: 10,11,12 CREDIT: 1.0

PREREQUISITE: AGRISCIENCE FOUNDATIONS & INTRODUCTORY HORTICULTURE 2.

This elective and practical art course is designed to develop competencies in the areas of industry regulations; plant classification; plant transportation; soil sampling and analysis; fertilizer calculations; recording keeping; irrigation components, water quality; drainage; integrated pest management; pesticide safety and regulations; equipment calibration; chemical growth regulators; xeriscaping; integrated landscape management; safe use of power equipment; record keeping; and employability skills. Students will work toward and take the FNGLA Horticulture Professional (FCHP) Certification.

HORTICULTURE SCIENCE AND SERVICES 4 (8121610)

GRADE LEVEL: 11,12 CREDIT: 1.0

PRE-REQUISITE: COMPLETED & PASSED AGRISCIENCE FOUNDATIONS, INTRODUCTORY HORTICULTURE 2, AND HORTICULTURE SCIENCE & SERVICES 3.

This course is designed to further develop competencies in the areas of plant identification and classification; growing media; irrigation system set up; and maintaining and analyzing records including production costs.

HORTICULTURE SCIENCE & SERVICES 5 (8121620)

GRADE LEVEL: 12 CREDIT: 1.0

PREREQUISITE: SUCCESSFUL COMPLETION OF HORTICULTURE 2,3 & 4

This course is designed to further develop competencies in the areas of identifying and evaluating IPM practices; maintaining and repairing irrigation systems; analyzing and evaluating fertilizer usage. Students will be required to have a year-long project

ANIMAL SCIENCE & SERVICES 2 (8106210)

GRADE LEVEL: 9,10,11,12 CREDIT: 1.0

PREREQUISITE: AGRISCIENCE FOUNDATIONS

This course is designed to develop competencies in the areas of safety, animal behavior, animal welfare, animal control, and employability skills. Instruction will take place both inside the classroom and outdoor labs. A \$10 lab fee will be requested.

ANIMAL SCIENCE & SERVICES 3 (8106220)

GRADE LEVEL: 10,11,12 CREDIT: 1.0

PREREQUISITE: AGRISCIENCE FOUNDATIONS & ANIMAL SCIENCE & SERVICES 2.

This course is designed to develop competencies in the areas of animal digestive systems, animal breeding, preventative medicine and disease control; animal marketing and analyzing records. Instruction will take place both inside the classroom and outdoor labs. A \$10 lab fee will be requested.

ANIMAL SCIENCE & SERVICES 4 (8106230)

GRADE LEVEL: 11,12 CREDIT: 1.0

PREREQUISITE: SUCCESSFUL COMPLETION OF ANIMAL SCIENCE 3, STUDENTS SHOULD HAVE AN ANIMAL RELATED SUPERVISED AGRICULTURAL EXPERIENCE PROJECT, \$10 LAB FEE REQUESTED.

The content includes but is not limited to health, safety and environmental issues, animal health and nutrition, animal breeding and selection, emerging animal technologies, and the use and care of animal health-care instruments, animal grooming equipment, animal restraining equipment, and laboratory equipment.

ANIMAL SCIENCE & SERVICES 5 (8106240)

GRADE LEVEL: 12 CREDIT: 1.0

PREREQUISITE: SUCCESSFUL COMPLETION OF ANIMAL SCIENCE 2,3 & 4

This course is designed to develop competencies in the areas of nutrition; grooming, exhibiting and marketing animals; operation, maintenance and repair of equipment. Students will be required to have a year-long project.

AGRICULTURE, FOOD & NATURAL RESOURCES COOPERATIVE EDUCATION - OJT (8100410)

GRADE LEVEL: 11,12 CREDIT: 1.0

PREREQUISITE: BE A PROGRAM COMPLETER AND/OR JUNIOR OR SENIOR ENROLLED IN ANY AGRICULTURE CLASS.

Provides on-the-job training in an agriculturally related area. Student must obtain a job by the end of the second week of school. Students must work 7.5 hours for each class period assigned to OJT. The student may not work for a family member and compensation must be paid to the student. Quarterly observations are required by the supervising teacher.

AGRICULTURE, FOOD & NATURAL RESOURCES DIRECTED STUDY (8100100)

GRADE LEVEL: 11,12 CREDIT: 1.0

PREREQUISITE: BY APPLICATION ONLY. MUST BE IN UPPER LEVEL, ADVANCED AGRICULTURE CLASS AND AN FFA LEADERSHIP STUDENT.

The content of this course is prescribed by the instructor based upon the individual's assessed needs for directed study. A student may earn multiple credits in this course. The selected standards that the student must master to earn credit, must be outlined in an instructional plan developed by the student, teacher, and parents.

CTE: Arts, A/V Technology & Communication

TELEVISION PRODUCTION TECHNOLOGY 1 (8201510)

GRADE LEVEL: 9,10,11,12 CREDIT: 1.0

PREREQUISITE: NO MAJOR DISCIPLINE INFRACTIONS, BASIC COMPUTER KNOWLEDGE PREFERRED.

Level 1 TV Production is designed for the novice or beginning Visual Communications student. Students will learn basic studio operations, HD camera skills, script writing basics, as well as Premiere Pro editing techniques. Learning the industry terminology, studio jargon, and editing principles are essential for success in this class.

TELEVISION PRODUCTION TECHNOLOGY 2 (8201520)

GRADE LEVEL: 10,11,12 CREDIT: 1.0

PREREQUISITE: C OR HIGHER IN TV PRODUCTION 1, NO MAJOR DISCIPLINE INFRACTIONS & TEACHER APPROVAL.

Level 2 TV Production students will continue to master skills using Premiere Pro. Students will produce a variety of video projects designed to enhance their skill set with non-linear editing and HD video camera operation. This includes original script productions, videography, with final edits and exports. Students will also prepare for taking over a variety of roles on the Lakewood Live News Crew.

TELEVISION PRODUCTION TECHNOLOGY 3/4 (8201530/8201540)

GRADE LEVEL: 11,12 CREDIT: 1.0

PREREQUISITE: B OR HIGHER IN TV PRODUCTION 2 OR 3, NO MAJOR DISCIPLINE INFRACTIONS & TEACHER APPROVAL.

This is an advanced level program preparing students for college and the workforce. Advanced TV Production (Level 3-4) students are responsible for producing the daily news program "LRHS-TV". Students may serve as talent or crew on the show and rotate into production cycles to create seasonal news show elements and commercials for LRHS events. Advanced knowledge of Premiere Pro editing software is essential as we will build on those skills. At this stage, students should be proficient in working with HD video cameras, proper shot composition skills, and scriptwriting techniques.

DIGITAL AUDIO PRODUCTION 1 (8772310)

GRADE LEVEL: 9,10,11,12 CREDIT: 1.0

Students explore the fundamental applications and tools of music technology and sound engineering. As they create and learn its terminology, students also learn the history and aesthetic development of technology used to capture, create, and distribute music. Public performances may serve as a resource for specific instructional goals. Students may be required to attend one or more performances outside the school day to support, extend, and assess learning in the classroom.

CTE: Education & Training

EARLY CHILDHOOD EDUCATION 1 (8405110)

GRADE LEVEL: 9 CREDIT: 1.0

PREREQUISITE: SIGNATURE OF DEAN OR SSS VERIFYING NO MAJOR DISCIPLINE INFRACTIONS.

This course is the first in a series of four preparing students to work with young children. Students begin their certification process through the Florida Department of Children and Families (DCF) while studying child growth and development; health safety and nutrition; child abuse and neglect; and the rules and regulations for Florida. Students will be introduced to our Mini Mustang VPK class as they help in the preschool setting. A donation will be requested to help offset the fees for testing.

EARLY CHILDHOOD EDUCATION 2 (8405120)

GRADE LEVEL: 10 CREDIT: 1.0

PREREQUISITE: B OR HIGHER IN ECE 1, NO MAJOR DISCIPLINE INFRACTIONS, PASS 75% OF THEIR DCF HOURS FROM ECE 1.

This course prepares students to work as preschool teachers in our VPK program with 4-year olds. Students will continue their DCF certification as they observe children, study guidance techniques, and lesson preparation in various areas for preschoolers. Students will experience hands-on learning by teaching small groups in the preschool setting. The students will also complete their ServSafe certification. A donation will be requested to help offset the fees for testing.

EARLY CHILDHOOD EDUCATION 3 (8405130)

GRADE LEVEL: 11 CREDIT: 1.0

PREREQUISITE: B OR HIGHER IN ECE 2, NO MAJOR DISCIPLINE INFRACTIONS, COMPLETION OF ALL DCF MODULES AND SERVSAFE CERTIFICATION.

This course allows students to work as teacher aide interns in off-campus settings. This will include local elementary schools and childcare centers. Students must provide their own transportation to these locations. The final DCF certifications will be completed as well as certification of Infant/Child First Aid and CPR. The hours worked with children will be applied toward the Child Development Associate National Credential (CDA). A donation will be requested to help offset the fees for testing.

EARLY CHILDHOOD EDUCATION 4 (8405140)

GRADE LEVEL: 12 CREDIT: 1.0

PREREQUISITE: B OR HIGHER IN ECE 3, COMPLETION OF DCF HOURS, SERVSAFE, AND VALID CPR CERTIFICATION, NO MAJOR DISCIPLINE INFRACTIONS.

This course allows students to work as teachers in our VPK classroom emphasizing STEAM lessons. The students will complete the Child Development Associates National Credential (CDA). Students may also earn articulation credit through the State College of Florida (3 to 9 hours).

CTE: Engineering & Technology Education**TECHNICAL DESIGN 1 (8401010)**

GRADE LEVEL: 9 CREDIT: 1.0

PREREQUISITE: MUSTANG STEAM ACADEMY ONLY

Technical Design is the first required course in the Mustang Steam Academy. This course will be an introduction to STEAM and design, with the focus being centered around design-based thinking - giving students the opportunity to create solutions to real world problems using both traditional hand drawing and computer aided design techniques. This course also has multiple opportunities for industry certifications with potential for college credit articulation.

APPLIED ENGINEERING TECHNOLOGY I (8401110)

GRADE LEVEL: 9,10,11,12 CREDIT: 1.0

Engineering is basically solving problems. In Applied Engineering Technology 1, students learn how to solve problems through many different hands on and computer-based activities. Students will learn the fundamentals of engineering including the Engineering Design Process, 3D Modeling (SOLIDWORKS), vector based graphic design (Adobe Illustrator) and tool safety. Students will have the opportunity to take the Certified SOLIDWORKS Associate and the Adobe Certified Associate Industry Certifications (can count for three college credits). Some past projects include laser engraving, crash test cars, 3D printing, and trebuchets.

APPLIED ENGINEERING TECHNOLOGY II (8401120)

GRADE LEVEL: 10,11,12 CREDIT: 1.0

PREREQUISITE: B OR HIGHER IN ENGINEERING TECHNOLOGY 1.

Applied Engineering Technology 2 is a continuation of Applied Engineering Technology 1. Students will continue to solve problems using the Engineering Design Process. Students will apply the knowledge learned from Applied Engineering 1 to complete more advanced projects, such as Co2 cars, construction of individual designs, and hydraulic and pneumatic projects. Students will learn the safety of more advanced tools. Such as table saw, compound miter saw, and mill. Students can also begin the Manufacturing Skills Standards Council Industry Certification (15 college credits).

APPLIED ENGINEERING TECHNOLOGY III (8401130)

GRADE LEVEL: 11,12 CREDIT: 1.0

PREREQUISITE: B OR HIGHER IN ENGINEERING TECHNOLOGY 2.

Applied Engineering Technology 3 is a continuation of Applied Engineering Technology 2. Students will continue to solve problems using the Engineering Design Process. Students will apply the knowledge learned from Applied Engineering 1 and 2 to complete more advanced projects. Students will work in groups and individually on larger scale projects and solutions to problems. Students will learn how to weld and complete metal design projects. Students may also complete the Manufacturing Skills Standards Council Industry Certification (15 college credits).

FOUNDATIONS OF ROBOTICS (9410110)

GRADE LEVEL: 9,10,11,12 CREDIT: 1.0

Foundations of Robotics is an introductory course to the fascinating world of robotics. This course will introduce fundamental robotic topics such as robot design, construction, and programming. Students will use skills learned in other engineering, math and science courses to design robots to solve problems. Some solutions will be autonomous, and others will require human interaction. Students will follow the engineering design process and create 3D models of their robotic solutions.

ROBOTIC DESIGN ESSENTIALS (9410120)**ROBOTIC SYSTEMS (9410130)**

GRADE LEVEL: 10,11,12 CREDIT: 1.0

PREREQUISITE: B OR HIGHER IN FOUNDATIONS OF ROBOTICS.

Robotic Design Essentials and Robotic Systems are the second and third courses in the applied robotics program. These courses will continue to develop skills needed to design and create functioning robots that solve problems. This course provides students the opportunity to take the Pre-Engineering and Robotics Industry Certifications. Robotic Design Essentials will also introduce students into the amazing world of competitive robotics. (Vex VRC)

ADVANCED TECHNOLOGY APPLICATIONS (8601900)

GRADE LEVEL: 11,12 CREDIT: 1.0

PREREQUISITE: TEACHER APPROVAL

Advanced Technology Applications is for the advanced engineering student who wants to independently follow the engineering design process to solve problems and create products. Students will apply skills from all engineering classes offered at Lakewood Ranch. This course will allow students the freedom to design, create, and produce and endless possibility of solutions and products. Students will also have the chance to take multiple industry certifications.

CTE: Information Technology**DIGITAL INFORMATION TECHNOLOGY (8207310)**

GRADE LEVEL: 9,10,11,12 CREDIT: 1.0

This course is designed to provide a basic overview of current business and information systems and trends, and to introduce students to fundamental skills required for today's business and academic environments. Emphasis is placed on developing fundamental computer skills. The intention of this course is to prepare students to be successful both personally and professionally in an information-based society. Digital Information Technology includes the exploration and use of databases, the internet, spreadsheets, presentation applications, management of personal information and email, word processing and document manipulation, HTML, web page design, and the integration of these programs using software that meets industry standards.

FOUNDATIONS OF WEB DESIGN (9001110)

GRADE LEVEL: 9,10,11,12 CREDIT: 1.0

This course is designed to provide students with opportunities to acquire and apply foundational skills related to web design using the Adobe Dreamweaver and Photoshop software programs.

USER INTERFACE DESIGN (9001120)

GRADE LEVEL: 10,11,12 CREDIT: 1.0

PREREQUISITE: B OR HIGHER IN FOUNDATIONS OF WEB DESIGN.

This course provides advanced concepts used in interface design. The content includes principles of Human Computer Interface (HCI), advanced page design using Cascading Style Sheets (CSS), advanced HTML commands, multimedia applications, Internet/Intranet tools, and web site promotion.

MEDIA INTEGRATION ESSENTIALS (9001140)

GRADE LEVEL: 11,12 CREDIT: 1.0

PREREQUISITE: B OR HIGHER IN USER INTERFACE DESIGN.

This class is the capstone of the web design program; web designers must understand software functionality, graphic design skills, client communication, and marketing as well as time management to create successful web pages. Through various software programs, students will create interactive products that are usable for a memorable experience and a professional portfolio. Students will demonstrate techniques for integrating various forms of media onto webpages with attention for

consumer “usability” (website navigation, efficiency, memorability), along with their skills in Dreamweaver, Photoshop, Flash, and Premier Pro, and will focus on XML and AJAX technologies and frameworks, and Java Scripting.

GAME & SIMULATION FOUNDATIONS (8208110)

GRADE LEVEL: 10,11,12 CREDIT: 1.0

PREREQUISITE: FOUNDATIONS OF WEB DESIGN OR DIGITAL IMAGING 1.

This course is designed to introduce game and simulation concepts and basic game/simulation design concepts. We will cover strategies, processes, and methods for conceptualizing a game or simulation application; storyboarding techniques; and development tools. Hands-on activities using professional software game development tools such as Toon Boom’s Flip Boom and Storyboard, and digital graphic software such as Photoshop. Studio includes stop-motion animation, making it the perfect animation software students to discover and create in all techniques with ease for spectacular results.

GAME & SIMULATION DESIGN (8208120)

GRADE LEVEL: 11,12 CREDIT: 1.0

PREREQUISITE: GAME & SIMULATION FOUNDATIONS

Using sound and animation, design tools, and implementation considerations, this course helps you take an idea and translate it into a visual story that will become a complete production. Deliver rich looking products instantly and effortlessly to everyone. Emphasis is placed on the techniques needed to develop well-documented, structured game or simulation programs. Extensive use is made of evaluating and analyzing existing games or simulations.

GAME & SIMULATION GRAPHIC ARTIST (8208130)

GRADE LEVEL: 12 CREDIT: 1.0

PREREQUISITE: GAME AND SIMULATION DESIGN

Hands-on activities using professional software game development tools students will focus on how to combine multiple animation software packages and Photoshop techniques, to create, refine, and integrate realistic 2D graphics into a game or simulation product. Students will learn how to use automated lip sync to fine-tune voice tracks and to share work just as easily with numerous export options, including effortless uploads to YouTube and Facebook.

CTE: Marketing, Sales & Services

MARKETING ESSENTIALS (8827110)

GRADE LEVEL: 9,10,11,12 CREDIT: 1.0

Marketing Essentials blends theory and practice to facilitate immediate implementation and impact. Students will learn to develop strategic marketing with sales and customer plans. A review of the marketing environment is used to help develop the segmentation, targeting and market positioning strategy for implementation along with the marketing mix (product, price, place and promotion). The goal is the identification and delivery of organizational competitive advantage and customer satisfaction - key to long-term revenue growth, profitability and success.

INTERNATIONAL MARKETING (8839110)

GRADE LEVEL: 10,11,12 CREDIT:1.0

PREREQUISITE: C OR HIGHER IN MARKETING ESSENTIALS

This program prepares students to explore and understand marketing practices in a global environment with respect to trade, global economics, and basic import/export principles. Students will explore aspects of marketing from a global perspective to better respond to international opportunities and competitive situations. Building on concepts that were introduced in previous marketing classes, International Marketing broadens student awareness and understanding of how businesses operate in a global environment, and how they grow and thrive in our ever-changing world. As a part of year 2/3 of International Marketing, students will participate in the Incubator program. This program offers an authentic entrepreneurship experience as students build a business. Throughout the course, students design, develop, and create their own product or service startup, to gain investment funds in a final pitch event. Real entrepreneurs and business experts serve as volunteer coaches and mentors that will guide student teams through the processes of developing ideas about a business concept, testing those ideas, adapting, and continually learning and improving. Students leave the course with a completed Business Model Canvas, competitive analysis, financial model, minimum viable product, pitch deck, future communications plan, and future funding plan.

CTE: On the Job Training (OJT)

DIVERSIFIED CAREER TECHNOLOGY PRINCIPLES (8303010)

GRADE LEVEL: 11,12 CREDIT: 1.0

PREREQUISITE: COMPLETE APPLICATION (PICKED UP IN GUIDANCE) AND APPROVAL OF INSTRUCTOR.

MUST HAVE THREE OR MORE CLASS PERIODS AVAILABLE IN WHICH TO EARN ELECTIVE CREDITS (A DCT PRINCIPLES COURSE AND A MINIMUM OF TWO CLASS PERIODS RELEASED TO WORK)

NO REFERRALS OR EXCESSIVE ABSENCES

EMPLOYED OR GAIN EMPLOYMENT IN A CURRICULUM APPROPRIATE COMPANY

ACTIVE MEMBERSHIP IN ONE OF THE FOLLOWING BUSINESS/VOCATIONAL ORGANIZATIONS: FBLA, FCCLA, HOSA OR TSA.

The DCT Principles course is required for all student enrolled in OJT. This course is designed to enable each student to demonstrate employability skills; environmental, health, and safety skills; professional, legal, and ethical responsibilities; financial skills; leadership skills; communication skills; human resources and labor skills. A directed study is included to increase knowledge of the specific careers in which the student is employed outside of school. Students will master Word, PowerPoint, and Excel to complete certification testing. Participation in the vocational organization CECF (Career Education Clubs of Florida) is required.

DIVERSIFIED CAREER TECHNOLOGY - OJT (8300410)

GRADE LEVEL: 11,12 CREDIT: 1.0

PREREQUISITE: ACCEPTANCE INTO OJT PROGRAM

DCT/OJT is a four-way partnership between the student, parent, school, and job site. This program is designed for students who have made a career path decision and are prepared to seriously pursue this path. Students must be concurrently enrolled in the DCT Principles course. Students must demonstrate basic employability skills before they can be considered for this program.

Drama/Theatre Arts

THEATRE 1 (0400310)

GRADE LEVEL: 9,10,11,12 CREDIT: 1.0

This is a performance-based course designed for students interested in mastering basic principles of acting, improvisation, playwriting, movement, and theatre history. Students will be required to participate and perform in cooperative classroom activities/projects including theatre games, improvisation, and performance. Prior theatre and performance experience are not necessary, but an interest in theatre and the performing arts is important in order to be successful in this course. Student will be required to participate in some very limited rehearsals/end of year performance outside of school hours to support, extend, and assess learning in the classroom.

THEATRE 3/4 HONORS (0400330/0400340)

GRADE LEVEL: 10,11,12 CREDIT: 1.0

PREREQUISITE: THEATRE 1 OR ACTING 1 & TEACHER APPROVAL

This is an advanced level performance course designed for students with previous experience in theatre promoting lifelong appreciation and preparation for college and career through teacher assigned and self-directed study and performance, with an emphasis in all areas of the performing arts including acting/musical theatre/technical theatre. The emphasis will be to sharpen and develop advanced skills through hands-on performance activities and develop a respect and knowledge for all aspects of technical theatre through integration with performance. Students are required to participate in rehearsals/performances/activities outside of school to support, extend, and assess learning in the classroom.

COSTUME MAKEUP & HAIR (0400409)

GRADE LEVEL: 10,11,12 CREDIT: 1.0

The purpose of this course is to enable students to develop the fundamental knowledge and skills necessary to design costumes and correctly use makeup for stage and screen. Students learn the functions of makeup, the techniques, tools, and materials necessary for creating schematics, proper application, hygiene, and career opportunities. Students also learn to develop renderings, and to develop and demonstrate knowledge of costume design and its role in the theatrical process. Although prior visual art experience is not necessary, students spend a great deal of time sketching and designing, and a willingness to be artistic is necessary in order to be successful in this course. Students will be required to purchase their own makeup/disposable items.

Driver Education and Traffic Safety

DRIVER EDUCATION CLASS/LAB (1900310)/INDIVIDUAL & DUAL SPORTS 3 (1502430)

GRADE LEVEL: 10,11,12 CREDIT: 1.0

PREREQUISITE: MUST BE 15 YEARS OLD

This is a two-phase course consisting of classroom study and driving in the car. Statistics prove that drivers who have had Driver Education have 50 percent fewer accidents than those who have not had it. Therefore, many insurance companies give discounts on insurance plans for students who successfully complete the class. As of Jan. 1, 2005, students taking Driver Education will be given a DMV-approved road test to earn their driver's licenses through instructors who are DELAP certified. This course will be paired with Individual & Dual Sports 3. Requests for changes out of the PE portion of the course will not be considered.

Humanities

HUMANITIES 1 HONORS (0900310)

GRADE LEVEL: 10,11,12 CREDIT: 1.0

PREREQUISITE: B OR HIGHER IN ENGLISH

The purpose of this course is to enable students to examine the influence and impact of history, literature, philosophy, and religion on the arts, analysis of ideas and artistic expression across varied cultures, and understand and respond to creative efforts of individuals and societies from early civilizations to 1500, including ancient Greece and Rome, the Byzantine empire, medieval European society, and the Renaissance. Students are challenged to think, write, and collaborate critically on the content they are learning.

JROTC & Military Training

LEADERSHIP EDUCATION & TRAINING 1 (1801300)

GRADE LEVEL: 9,10,11,12 CREDIT: 1.0

Junior Reserve Officer Training Corps is a high school program instructed by retired military personnel whose mission is to motivate student cadets to become better citizens. The curriculum requires wearing a uniform once a week, which is provided by the department at no expense to the student. Students will also participate in weekly Physical Training (exercise) focused on successful completion of the Cadet Challenge (Presidential Fitness Test). Taught in accordance with the Cadet Command Regulation 145-2 (CCR145-2), course content includes: Character and Leadership Development; Wellness, Fitness and First Aid; Drug Abuse Prevention; Geography and Earth Science; Citizenship and American History; Career Opportunities; Role of the Armed Forces; Technology Awareness; Command and Staff Procedures; Consumer Education and Budgeting; Unlocking Your Potential; and Senior Army Instructor Designated Optional Subjects, as coordinated with Lakewood Ranch High School. JROTC offers extra-curricular competitive team participation after school in Drill (precision marching), Marksmanship (utilizing Daisy air rifles), Orienteering (competitive land navigation) and Raiders (physically demanding; e.g. 5k run, 1-mile Litter Carry, Obstacle Course, One Rope Bridge, Tire Flip, etc.). Competition is within the county, district, state, and national levels. Community service involvement is strongly encouraged, and student cadets receive community service hours for their support on and off campus. Highlights of the school year are the military ball, extracurricular competitions, community service events, and attending the Junior Cadet Leadership Challenge (JCLC) summer camp, which is usually held in late June of each year. JCLC involves approximately 15% of the school's cadet enrollment to conduct training in land navigation, negotiating obstacle courses, water and safety techniques, first aid, and rappelling. THERE IS ABSOLUTELY NO OBLIGATION TO JOIN THE MILITARY SERVICE, however, if a student cadet desires to join the military after high school, he or she may enter the service at a much higher pay scale due to their successful participation in JROTC and with the recommendation of the Senior Army Instructor. Students who complete LET1 and LET2 course work receive HOPE graduation credit. A donation of \$60 will be requested to help finance the Physical Training Uniform, LRHS Formal ticket, and Expendable Uniform components.

LEADERSHIP EDUCATION & TRAINING 2 (1801310)

GRADE LEVEL: 10,11,12 CREDIT: 1.0

PREREQUISITE: C OR HIGHER IN LET 1, NO DOCUMENTED SCHOOL DISCIPLINE ISSUES (SUSPENSIONS).

Continuation of Leadership Education & Training 1. Completion of LET 2 course work completes HOPE alternative graduation requirement. A donation of \$60 will be requested to help finance the Physical Training Uniform, LRHS Formal ticket, and Expendable Uniform components.

LEADERSHIP EDUCATION & TRAINING 3 (1801320)

GRADE LEVEL: 11,12 CREDIT: 1.0

PREREQUISITE: C OR HIGHER IN LET 2, NO DOCUMENTED SCHOOL DISCIPLINE ISSUES (SUSPENSIONS).

Continuation of Leadership Education & Training 2. A donation of \$60 will be requested to help finance the Physical Training Uniform, LRHS Formal ticket, and Expendable Uniform components.

LEADERSHIP EDUCATION & TRAINING 4 (1801330)

GRADE LEVEL: 12 CREDIT: 1.0

PREREQUISITE: C OR HIGHER IN LET 3, NO SCHOOL SUSPENSIONS.

Continuation of Leadership Education & Training 3. A donation of \$60 will be requested to help finance the Physical Training Uniform, LRHS Formal ticket, and Expendable Uniform components.

JROTC BATTALION STAFF (1801310-330)

GRADE LEVEL: 10,11,12 CREDIT: 1.0

PREREQUISITE: INSTRUCTOR SELECTION, COMPLETION OF LET 1, NO SCHOOL SUSPENSIONS. APPLICATION WILL CONSIST OF A WRITTEN APPLICATION (RESUME & COVER LETTER) FOR THE CADET WISHING TO HOLD THE POSITION. IN THE EVENT THERE ARE MULTIPLE HIGHLY QUALIFIED APPLICATIONS, THE CADRE AND EXISTING CADET BN CDR WILL FORM A BOARD TO SELECT THESE POSITIONS.

Cadet Battalion Staff is the group of students responsible for planning, developing and executing the JROTC programs annual activities. They organize community service events, program and oversee extracurricular teams, account for and document logistical resources. They ensure promotion, selection and awards process for the cadets. They serve as the customer service organization providing all necessary resources for the cadet leadership to accomplish established goals and standards. THIS COURSE FILLS REQUIREMENTS AND SUBSTITUTES FOR LEADERSHIP EDUCATION & TRAINING 2, 3, or 4. Required Fees: \$60 (This includes Physical Training Uniform, LRHS Formal ticket, Expendable Uniform components).

Language Arts

JOURNALISM 1 (1006300)

GRADE LEVEL: 9,10,11,12 CREDIT: 1.0

PREREQUISITE: B OR HIGHER IN THE PREVIOUS ENGLISH COURSE.

Journalism 1 provides the instruction necessary to develop competency in writing news and sports stories as well as features and editorials. In addition to written work, students will receive instruction in the history and traditions of journalism as well as workshop experience in newspaper layouts, advertising, and other practical aspects of newspaper production.

JOURNALISM 2 (1006310)

GRADE LEVEL: 10,11,12 CREDIT: 1.0

PREREQUISITE: B OR HIGHER IN JOURNALISM 1, COMPLETION OF THE APPLICATION.

This course provides the training necessary for successful production of either school news reports or the yearbook for first year staff members. Students receive practice in gathering information and in writing news copy, sports, features, and editorials. Students will be introduced to and have experience on the computer desktop publishing. Students must complete an application process to register for this course.

JOURNALISM 3 (1006320)

GRADE LEVEL: 11,12 CREDIT: 1.0

PREREQUISITE: B OR HIGHER IN JOURNALISM 2, COMPLETION OF THE APPLICATION.

Journalism 3 is a production class where students will create LRHS news stories on a regular basis. This includes gathering information from appropriate sources, especially personal interviews, to write the stories. All staff members will be required to become proficient in graphic arts pertaining to page layout processes that include the placement of stories, photographs, artwork, and headlines. Each student will be assigned to a primary position or responsibility. Students should be aware that the

quality of the products they produce is the basis for grading. Students must complete an application process to register for this course.

JOURNALISM 4 (1006330)

GRADE LEVEL: 12 CREDIT: 1.0

PREREQUISITE: B OR HIGHER IN JOURNALISM 3, COMPLETION OF THE APPLICATION.

This course is intended for advanced student-journalists who will take leadership roles in the publication of school news. Responsibilities will include, but are not limited to, assigning and supervising the production of stories, successful delivery of school news, professional outreach to local media outlets and other relevant and appropriate tasks. Students should be aware that the quality of the products they produce is the basis for grading. Students must complete an application process to register for this course.

JOURNALISM 5 HONORS (1006331)

GRADE LEVEL: 12 CREDIT: 1.0

PREREQUISITE: TEACHER APPROVAL

The purpose of this course is to perform advanced skills in the production of journalism across print, multimedia, web, and broadcast/radio platforms and to develop advanced knowledge of journalism history, ethics use, and management techniques related to the production of journalistic media.

SPEECH 1 (1007300)

GRADE LEVEL: 9,10,11,12 CREDIT: 1.0

PREREQUISITE: C OR HIGHER IN PREVIOUS ENGLISH CLASS.

This course provides basic instruction in public speaking. Students write speeches and practice body language, inflection, eye contact, and overall effectiveness. Units cover the communication process, stage fright, extemporaneous and impromptu speaking, and all types of demonstrative, expository, and persuasive speeches. The second semester introduces students to parliamentary procedure and Student Congress.

CREATIVE WRITING 1/2 (1009320/1009330)

GRADE LEVEL: 10,11,12 CREDIT: 1.0

PREREQUISITE: B OR HIGHER IN PREVIOUS ENGLISH CLASS.

The purpose of this course is to develop writing and language skills needed for individual expression in various genres. Instructional content will include reading, analyzing, and writing short stories and poetry in various forms; applying critical feedback to the revision of personal works; interacting critically with other students engaged in creative writing; preparing for oral interpretation of personal work; and participating in public performances.

DEVELOPMENTAL LANGUAGE ARTS THROUGH ESOL (1002381)

GRADE LEVEL: 9,10,11,12 CREDIT: 1.0

PREREQUISITE: ESOL TEACHER APPROVAL.

The purpose of this course is to provide instruction to native speakers of a language other than English in developmental language arts skills, including reading, writing, listening, and speaking. The main goal of the course is the acquisition of more integrated English communication skills. This course can be scheduled with the ESOL Listening/Speaking courses for students with LAS level of 1. This course earns elective credit only.

Leadership Skills Development

PEERS AS PARTNERS IN LEARNING – PIT CREW (1400340)

Grade Level: 11,12 CREDIT: 1.0

PREREQUISITE: MUST FILL OUT AN APPLICATION TO PARTICIPATE. ACCEPTANCE WILL BE BASED ON GPA, ATTENDANCE AND DISCIPLINE RECORDS.

This course is designed to provide reciprocal academic and social benefits to students with disabilities and their peers without disabilities. Students enrolled in this course will learn and apply knowledge and skilled practices in the areas of academic engagement, communication, social barriers, leadership, problem solving, and other disability-related topics such as historical perspectives, inclusion, Universal Design for Learning, person-first language, presumed competence, social justice for minority populations, and media representation of diverse people.

EXECUTIVE INTERNSHIP (0500300)

GRADE LEVEL: 11,12 CREDIT: 1.0

PREREQUISITE: MINIMUM GPA OF 3.0, MUST FILL OUT AN APPLICATION WHICH MUST BE APPROVED BY ADMINISTRATION. ACCEPTANCE WILL BE BASED ON GPA, ATTENDANCE AND DISCIPLINE RECORDS.

The purpose of this course is to provide a practical introduction to the work environment through direct contact with professionals and collaboration with colleagues. Students work in an office atmosphere assisting students and staff. Successful student assistants possess good organizational skills, pay attention to detail, are creative, have a strong work ethic and work well both independently as well as with others. Strong communication skills are necessary as students will be required to interact with campus visitors, parents, and fellow students in person and on the telephone. Students will be assigned to work in multiple areas on campus including the front office, Student Services, attendance office, Media Center, and Technology Office.

LEADERSHIP SKILL DEVELOPMENT (STUDENT GOVERNMENT ASSOCIATION) (2400300)

GRADE LEVEL: 11,12 CREDIT:1.0

PREREQUISITE: MINIMUM 3.0 GPA, COMPLETED APPLICATION (PICKED UP IN ROOM 602), INTERVIEW

The purpose of this course is to teach leadership skills, parliamentary procedure, problem solving, decision making, communication skills, group dynamics, time and stress management, public speaking, human relations, public relations, team building, and other group processes.

LEADERSHIP TECHNIQUES (SGA) (2400310)

GRADE LEVEL: 12 CREDIT: 1.0

PREREQUISITE: MINIMUM 3.0 GPA, COMPLETED APPLICATION (PICKED UP IN ROOM 602), INTERVIEW

This course will provide an in-depth study of the leadership techniques of decision making, problem solving, meeting skills, communication, group conflict reduction, time and stress management, evaluation, team building, group dynamics, motivational strategy, and the role of leadership in a democratic society.

Music Education

GUITAR 1 (1301320)

GRADE LEVEL: 9,10,11,12 CREDIT: 1.0

Beginning guitar is a non-performing class intended for the beginning level guitar student. The primary goal of the course shall be to provide instruction in basic music theory and playing skills as related to guitar, including note reading, basic chords, and strumming. School guitars are available for student use.

KEYBOARD 1 (1301360)

GRADE LEVEL: 9,10,11,12 CREDIT: 1.0

Students build fundamental piano techniques while learning to read music, acquire and apply knowledge of basic music theory, and explore the role of keyboard music in history and culture. Beginning pianists develop skills in analytical listening and explore musical creativity in the form of basic improvisation and basis composition.

KEYBOARD 2 (1301370)

GRADE LEVEL: 10,11,12 CREDIT: 1.0

PREREQUISITE: KEYBOARD 1 OR RELATIVE MUSIC EXPERIENCE

Students build on previous piano techniques and skills through reading music, acquiring and applying knowledge of music theory, and exploring the role of keyboard music in history and culture. Students learn repertoire from various styles and time periods, exploring the historical influence keyboards have had on music performance and composition. Students explore the basic tools of music technology (i.e., MIDI keyboards). Public performances may serve as a culmination of specific instructional goals.

KEYBOARD 3 (1301380)

GRADE LEVEL: 11,12 CREDIT: 1.0

PREREQUISITE: KEYBOARD 2 OR RELATIVE MUSIC EXPERIENCE

Students further develop advanced knowledge of piano techniques, musical literacy, solo and ensemble performance skills, and related musical knowledge, using a variety of advanced piano literature. Students explore the historical influence keyboards have had on music performance and composition and apply criteria to assess their own and others' piano performances. Students extend their knowledge of music technology (i.e., MIDI keyboards) and its connection to the computer and other sound-generating devices. Public performances may serve as a culmination of specific instructional goals.

KEYBOARD 4 HONORS (1301390)

GRADE LEVEL: 12 CREDIT: 1.0

PREREQUISITE: KEYBOARD 3 OR RELATIVE MUSIC EXPERIENCE

Students develop highly advanced piano techniques, music literacy, solo performance skills, and related musical knowledge through a variety of advanced piano literature. Students work toward greater musical independence through accompanying other musicians, performing solos, and/or creating original music compositions. In keeping with the rigor expected in an Honors course, students undertake independent study that includes synthesis of learning and experience. Public performances may serve as a culmination of specific instructional goals.

MUSIC TECHNIQUES - KEYBOARD (1305500K)

GRADE LEVEL: 10,11,12 CREDIT: 1.0

PREREQUISITE: PREVIOUS ENROLLMENT IN A HIGH SCHOOL KEYBOARD PROGRAM OR RELATIVE MUSIC EXPERIENCE.

In this course, students will focus on developing technical skills in instrumental performance, as well as in music literacy and sight reading through the study of a variety of music genres. Emphasis is placed on the development of musicianship through progressive technical studies, modern and classical solo and ensemble literature, public performance, and written assignments. Musical skills as well as aesthetic critique are assessed each quarter. Students will grow in their performance abilities on their individual keyboard skills as well as improve their practice routine, aural skills, music terminology and music symbol identification. Students will be presented with musical literature that represents different cultures, styles, and periods of music appropriate for their ability. Student are encouraged to seek private lessons.

SYMPHONIC BAND (1302300-330)

GRADE LEVEL: 9,10,11,12 CREDIT: 1.0

Symphonic Band is the second artistic concert band in the LRHS band program. Coursework is designed for the experienced, intermediate musician. Symphonic Band rehearses during its determined class periods; participation in some activities and several performances beyond regular school hours is also required. All LRHS Concert and Jazz Band students purchase formal wear their first year in the program, which they then own and use for the four years that they are enrolled. **LRHS Band students are encouraged to participate in the Mustang Marching Band.** Marching Band Registration is held in the spring every year following High School Registration.

WIND ENSEMBLE (1302300-330W)

GRADE LEVEL: 10,11,12 CREDIT: 1.0

PREREQUISITE: PARTICIPATION IN LRHS SYMPHONIC BAND

Wind Ensemble is the premiere artistic concert band in the LRHS band program. Coursework is designed for students who have achieved an exceptional level of proficiency on their instrument. Wind Ensemble rehearses during its determined class period as well as pre-scheduled after school rehearsals; participation in some activities and several performances beyond regular school hours is also required. All LRHS Concert and Jazz Band students purchase formal wear their first year in the program, which they then own and use for the four years that they are enrolled. **LRHS Band students are encouraged to participate in the Mustang Marching Band.** Marching Band Registration is held in the spring every year following High School Registration.

JAZZ BAND (1302500-530)

GRADE LEVEL: 9,10,11,12 CREDIT: 1.0

A performing band ensemble specializing in Jazz; (Rock, Latin, and ballad style music). Improvisation skills are taught with coursework designed for the beginning/intermediate/advanced level jazz player. Participation in activities, rehearsals and performances beyond regular school hours is a required part of this course. All LRHS Concert and Jazz Band students purchase formal wear their first year in the program, which they then own and use for the four years that they are enrolled.

PERCUSSION CLASS (1302460-490)

GRADE LEVEL: 9,10,11,12 CREDIT: 1.0

Coursework is designed for students who have achieved or are developing an exceptional level of proficiency on varied percussion instruments. The Percussionists rehearse during the determined class period as well as scheduled after-school rehearsals; participation in activities (Solo and Ensemble festival is mandatory) and football game/competitive performances beyond regular school hours is also required. **LRHS Band students are encouraged to participate in the Mustang Marching Band.** Marching Band Registration is held in the spring every year following High School Registration.

EURHYTHMICS – COLORGUARD (1305300-330)

GRADE LEVEL: 9,10,11,12 CREDIT: 1.0

This course combines dance, drama, performance, and the manipulation of flags, sabers, and rifles into one magical artistry of pageantry. This is now one of the most popular activities in the high school curriculum. This outstanding performing group is an

important part of the Mustang Marching Band, which performs in the fall. In the spring, in addition to various dance recitals, these performers form a group called the Winter Guard, which performs a wide range of visual performance arts and choreography. **LRHS Eurythmics students are encouraged to participate in the Mustang Marching Band.** Marching Band Registration is held in the spring every year following High School Registration.

CONCERT CHORUS (1303300-330)

GRADE LEVEL: 9,10,11,12 CREDIT: 1.0

This yearlong, entry-level class, designed for students with little or no choral experience to intermediate choral experience, promotes the enjoyment and appreciation of music through performance of beginning choral repertoire from a variety of times and places. Rehearsals focus on the development of critical listening skills; foundational instrumental technique and skills, music literacy, and ensemble skills; and aesthetic musical awareness culminating in periodic public performances. It also focuses on enhancing these skills and students' engagement with music through a variety of high-quality three- and four-part choral literature, providing students with the means to learn how to reflect and use a combination of analytical, assessment, and problem-solving skills consistently to improve their own and others' performance. This course requires students to participate in extra rehearsals, performances and trips beyond the school day. Additional experiences with small ensembles and solo performance may be available.

ADVANCED MIXED CHORUS (1303440-470)

GRADE LEVEL: 10,11,12 CREDIT: 1.0

PREREQUISITE: PREVIOUS PARTICIPATION IN HIGH SCHOOL CHORUS.

This intermediate-level class is designed for students with previous participation in a high school chorus and moderate skills in critical listening, vocal techniques, music literacy, and choral performance. This course is for women only. Rehearsals focus on enhancing these skills and students' aesthetic engagement with music through a variety of high-quality three- and four-part choral literature, providing students with the means to learn how to reflect and use a combination of analytical, assessment, and problem-solving skills consistently to improve their own and others' performance. This course requires students to participate in extra rehearsals, performances and trips beyond the school day. Additional experiences with small ensembles and solo performance may be available.

MUSTANG CAPPELLA (1303400-430)

GRADE LEVEL: 9,10,11,12 CREDIT: 1.0

PREREQUISITE: AUDITION ONLY.

Students in this intermediate-level class focus on the development of musical and technical skills on a specific voice through pop songs. The students will learn the current songs on the radio and arrange some together as a class. There will be no instruments used, all music will be performed a cappella with a beat boxer. Public performances may serve as a culmination of specific instructional goals. Students will be required to attend and/or participate in rehearsals and performances outside the school day to support, extend, and assess learning in the classroom.

ORCHESTRA (1302360-410)

GRADE LEVEL: 9,10,11,12 CREDIT: 1.0

PREREQUISITE: DIRECTOR APPROVAL OR PREVIOUS ENROLLMENT IN A MIDDLE/HIGH SCHOOL ORCHESTRA PROGRAM WITH AT LEAST ONE YEAR OF PERFORMANCE EXPERIENCE ON A STRING INSTRUMENT.

This course is open to all returning string players. In this course orchestra students will focus on developing technical skills in bowing and left-hand facility, as well as in music literacy and sight-reading. Emphasis is placed on the development of musicianship through progressive technical studies, modern and classical orchestra literature, public performance, and written assignments. Musical skills as well as aesthetic critique are assessed each quarter. In orchestra, students will grow in their performance abilities on their individual instruments as well as improve their aural skills, musical terminology, and music symbol identification. Orchestra students will be presented with musical literature that represents different cultures, styles, and periods of music that is appropriate for their level of ability. Students are required to participate/attend all scheduled concerts/events. Fees may apply.

MUSIC TECHNIQUES - BEGINNING CELLO/STRING BASS (1305500)

GRADE LEVEL: 9,10,11,12 CREDIT: 1.0

This is a beginning course in string performance that will focus on the fundamentals of the cello/string bass, musicianship, and performance. Emphasis is placed on the development of musicianship through progressive technical studies, modern and classical orchestra literature, public performance, and written assignments. Students are required to participate/attend all scheduled concerts/events. Fees may apply.

MUSIC TECHNIQUES - BEGINNING VIOLIN/VIOLA (1305500)

This is a beginning course in string performance that will focus on the fundamentals of the violin/viola, musicianship, and performance. Emphasis is placed on the development of musicianship through progressive technical studies, modern and classical orchestra literature, public performance, and written assignments. Students are required to participate/attend all scheduled concerts/events. Fees may apply.

INSTRUMENTAL TECHNIQUES - BAND & ORCHESTRA (1302420-450)

GRADE LEVEL: 9,10,11,12 CREDIT: 1.0

PREREQUISITE: DIRECTOR APPROVAL REQUIRED. CURRENT ENROLLMENT IN A HIGH SCHOOL BAND OR ORCHESTRA PROGRAM AND AT LEAST TWO YEARS OF PERFORMANCE EXPERIENCE ON A STRING OR WIND INSTRUMENT.

In this course students will focus on developing technical skills in instrumental performance, developing a practice routine, and developing music literacy and sight-reading through the independent study of chamber music. Emphasis is placed on the development of musicianship through progressive technical studies, modern and classical solo and chamber ensemble literature, public performances, recitals, and written assignments. Musical skills as well as aesthetic critique are assessed each quarter. This course is a supplement and not a substitute for a traditional school ensemble.

Physical Education

HOPE (3026010)

GRADE LEVEL: 9,10,11,12 CREDIT: 1.0

This course focuses on preventative health and the importance to maintain a healthy balance of physical, mental, emotional and social health. Current topics include nutrition, tobacco, drugs, STDs and stress management skills. The physical education portion utilizes a variety of activities in physical fitness concepts, develop an optimal level of physical fitness and understanding the significance of a healthy lifestyle. Topics include health risk factors, components of fitness, exercise guidelines, principles of training, nutrition, body composition, and consumer issues. A donation will be requested to help finance PE equipment.

INDIVIDUAL & DUAL SPORTS 1 & 2 (1502410/1502420)

GRADE LEVEL: 9,10,11,12 CREDIT: 1.0

This course offers a variety of activities in individual and dual sports play in sports such as pickle ball, Frisbee, Frisbee golf, racquetball, table tennis, track and field, tennis and badminton. Students will develop basic skills, improve fitness level, and learn safety practices, techniques, strategies, rules and history of chosen sports. Attendance, dressing out, class participation and exams will determine students' grades. A donation will be requested to help finance PE equipment.

TEAM SPORTS 1 & 2 (1503350/1503360)

GRADE LEVEL: 9,10,11,12 CREDIT: 1.0

Team Sports offers a variety of sports games and activities, such as basketball, volleyball, soccer, flag football, softball and many more. Emphasis is placed on communication, cooperation, lifetime enjoyment, cardiovascular fitness and knowledge of the various sports as to history, rules, safety, and teamwork. Creating a commitment to a lifetime enjoyment of sports is foremost. Attendance, dressing out, class participation and exams will determine students' grades. A donation will be requested to help finance PE equipment.

WEIGHT TRAINING 1 & 2 (1501340/1501350)

GRADE LEVEL: 10,11,12 CREDIT: 1.0

PREREQUISITE: PRIORITY WILL GO TO LRHS STUDENT ATHLETES

This course provides students the opportunity to acquire basic knowledge and skills in weight training. Course content includes safety practices, importance of muscular strength and endurance proper techniques, and an assessment of basic skills. There will be an emphasis on cardiovascular fitness and stretching. Attendance, dressing out and class participation will determine students' grades. A donation will be requested to help finance PE equipment.

WEIGHT TRAINING 3 (1501360)/POWER WEIGHT TRAINING (1501410)

GRADE LEVEL: 11,12 CREDIT: 1.0

PREREQUISITE: WEIGHT TRAINING 1 & 2, PRIORITY WILL GO TO LRHS STUDENT ATHLETES

Weight Training 3 reinforces previous weight training knowledge, safety practices, application of weight training program design, organization and administration of weight-lifting activities, implementation and realization of personal weight training program goals. There is an emphasis on cardiovascular fitness and stretching. In Power Weight Training 1, students acquire knowledge and skills in power weight training and improve or maintain health related physical fitness. This course will include safety

practices, assessment of health-related fitness, skills, techniques, strategies and rules of weight training. There will be an emphasis on cardiovascular fitness and stretching. Attendance, dressing out and class participation will determine students' grades. A donation will be requested to help finance PE equipment.

BASKETBALL 1 & 2 (1503310/1503315)

GRADE LEVEL: 10,11,12 CREDIT: 1.0

The purpose of this course is to acquire knowledge and skills in the game of basketball. Students will improve fitness levels and work on techniques, skills and strategies. Attendance, dressing out, class participation and exams will determine students' grades. A donation will be requested to help finance PE equipment.

VOLLEYBALL 1 & 2 (1505500/1505510)

GRADE LEVEL: 10,11,12 CREDIT: 1.0

The purpose of this course is to learn offense and defense of the sport of volleyball. Students will learn the skills and rules of a variety of indoor and outdoor volleyball games. Attendance, dressing out, class participation and exams will determine students' grades. A donation will be requested to help finance PE equipment.

OUTDOOR EDUCATION (1502480)/RECREATION (1502470)

GRADE LEVEL: 10,11,12 CREDIT: 1.0

In Outdoor Education, students acquire knowledge and skills in a variety of outdoor recreational activities and maintain or improve health related fitness. The content will also include safety practice, techniques, consumer issues, and fitness activities. In Recreational Activities, students participate in selected activities which may include bocce, horseshoes, golf, table tennis, fishing and Frisbee. Attendance, dressing out, class participation and exams will determine students' grades. A donation will be requested to help finance PE equipment.

LIFESTYLE DESIGN (1501310)/COMPREHENSIVE FITNESS (1501390)

GRADE LEVEL: 10,11,12 CREDIT: 1.0

This course is designed to help students become familiar with the latest trends in life-long fitness activities. Students participate in fitness activities such as cardio kickboxing, yoga, circuit training, Zumba, etc. Coordination, flexibility, cardiovascular endurance, muscular strength, and overall body composition will improve. The course will reinforce previous fitness knowledge, safety practices, application of fitness training program design, organizing and administering fitness activities. Course content also includes nutrition, aerobic and anaerobic movements, and applying technology to fitness. Attendance, dressing out, class participation and exams will determine students' grades. A donation will be requested to help finance PE equipment.

FIRST AID & SAFETY (0800320)/CARE & PREVENTION OF ATHLETIC INJURIES (1502490)

GRADE LEVEL: 11,12 CREDIT: 1.0

The purpose of First Aid and Safety is to acquire advanced skills in first aid, emergency care, and personal, community and environmental safety. Students will have the opportunity to become certified through the American Heart Association for an additional fee. In Care and Prevention of Athletic Injuries, students receive an overview of the basics of athletic training, including the care, prevention, management, treatment, and rehabilitation of athletic injuries. Instruction will include basic anatomy, physiology, and kinesiology concerning athletic injuries. Students will be expected to demonstrate appropriate taping, wrapping, and bracing techniques for athletic injuries. A donation will be requested to help finance PE equipment.

Social Studies

PERSONAL FINANCIAL LITERACY/PSYCHOLOGY 1 (2102372/2107300)

GRADE LEVEL: 10,11,12 CREDIT: .50

The primary content for Personal Financial Literacy pertains to the study of learning the ideas, concepts, knowledge and skills that will enable students to implement beneficial personal decision-making choices; to become wise, successful, and knowledgeable consumers, savers, investors, users of credit and money managers; and to be participation members of a global workforce and society. In Psychology, students acquire an understanding of and an appreciation for human behavior, behavior interaction and the progressive development of individuals. The content examined in this first introductory course includes major theories and orientations of psychology, psychological methodology, memory and cognition, human growth and development, personality, abnormal behavior, psychological therapies, stress/coping strategies, and mental health.

SOCIOLOGY/WORLD RELIGIONS (2108300/2105310)

GRADE LEVEL: 11,12 CREDIT: 1.0

PREREQUISITE: C AVERAGE IN SOCIAL STUDIES COURSES.

Sociology is the study of group behavior, and the study of behavior patterns in society. This course provides students with a study of the basic concepts, principles and practices of sociology. Students will explore many present-day social problems including crime, aging, environment, cities and suburbs, and terrorism. In World Religions, students will acquire an understanding of the way people in different cultures satisfy their spiritual needs. Study includes the place of religion in culture, the importance that has been attached to religion in peoples' lives and the relationship between religion and other social institutions. Content includes sources of religion, basis for peoples' religious beliefs, and major living traditions and practices such as Buddhism, Christianity, Confucianism, Hinduism, Islam, Judaism, Shintoism and Taoism.

World Languages

FRENCH 1 (0701320)

GRADE LEVEL: 9,10,11,12 CREDIT: 1.0

PREREQUISITE: B OR HIGHER IN PREVIOUS ENGLISH/LANGUAGE ARTS CLASS. NATIVE SPEAKERS WILL BE GIVEN AN ASSESSMENT TEST TO DETERMINE PLACEMENT.

This course develops the language skills of listening, speaking, reading, and writing in French. Students should expect this course to focus on building vocabulary, grammatical structures, and learning about French-speaking countries around the world. Students will be expected to prepare for class daily.

FRENCH 2 (0701330)

GRADE LEVEL: 10,11,12 CREDIT: 1.0

PREREQUISITE: C OR HIGHER IN FRENCH 1. NATIVE SPEAKERS WILL BE GIVEN AN ASSESSMENT TEST TO DETERMINE PLACEMENT.

This course further develops the language skills of listening, speaking, reading, and writing. Students should expect this course to focus heavily on grammatical structures. To be successful in this course, students are expected to have successfully grasped concepts taught in French 1, and, to have a working knowledge of French 1 vocabulary.

FRENCH 3 HONORS (0701340)

GRADE LEVEL: 11,12 CREDIT: 1.0

PREREQUISITE: B OR HIGHER IN FRENCH 2. NATIVE SPEAKERS WILL BE GIVEN AN ASSESSMENT TEST TO DETERMINE PLACEMENT.

This Honors level course continues to enhance proficiency in the French language by building on the knowledge and vocabulary learned in French 2 in order to develop speaking, reading, and writing skills more fully. Students will expand their vocabulary, conversational skills, and knowledge of grammatical structures including past tenses, future tenses, the conditional tense, and the subjunctive. Students will be expected to speak in French and prepare daily for class.

FRENCH 4 HONORS (0701350)

GRADE LEVEL: 12 CREDIT: 1.0

PREREQUISITE: B OR HIGHER IN FRENCH 3 HONORS. NATIVE SPEAKERS WILL BE GIVEN AN ASSESSMENT TEST TO DETERMINE PLACEMENT.

This course is a pre-AP course that continues to enhance proficiency in the French language. Emphasis will be placed on listening, speaking, reading, and writing in French while addressing the six AP French themes. Students are expected to speak in French and should prepare daily for class. The purpose of this course is the further develop skills needed for AP French.

SPANISH 1 (0708340)

GRADE LEVEL: 9,10,11 CREDIT: 1.0

PREREQUISITE: B OR HIGHER IN PREVIOUS ENGLISH/LANGUAGE ARTS CLASS. NATIVE SPEAKERS WILL BE GIVEN AN ASSESSMENT TEST TO DETERMINE PLACEMENT.

This course develops the skills of listening, speaking, reading, and writing, with emphasis given to listening and speaking. Spanish 1 requires memorization of vocabulary, grammar and dialogues to ingrain patterns and sentence structure. Culture, history, geography, and current events of Spain and Latin America are also introduced. To be successful in this course, students are expected to prepare daily, and out of class assignments will average three to four hours per week. Students scoring a level 1 on the FSA/ELA may find this class extremely difficult.

SPANISH 2 (0708350)

GRADE LEVEL: 9,10,11,12 CREDIT: 1.0

PREREQUISITE: C OR HIGHER IN EACH SEMESTER OF SPANISH 1. NATIVE SPEAKERS WILL BE GIVEN AN ASSESSMENT TEST TO DETERMINE PLACEMENT.

This course further develops the language skills of listening, speaking, reading, and writing. Students should expect this course to focus heavily on vocabulary and grammar structures. To be successful in this course, students are expected to have successfully grasped grammar concepts taught in Spanish 1 as well as to have a good working knowledge of Spanish 1 vocabulary. Students will be expected to prepare daily, and out of class assignments will average three to four hours per week.

SPANISH 3 HONORS (0708360)

GRADE LEVEL: 9,10,11,12 CREDIT: 1.0

PREREQUISITE: B OR HIGHER IN EACH SEMESTER OF SPANISH 2. NATIVE SPEAKERS WILL BE GIVEN AN ASSESSMENT TEST TO DETERMINE PLACEMENT.

This advanced course continues to enhance proficiency in the Spanish language by building on the knowledge acquired in Spanish 2 in order to develop speaking, reading and writing skills more fully. Students will expand their vocabulary, conversational skills and knowledge of grammar structures including past tenses, commands and the subjunctive mood. Cross-cultural understanding will be enriched, and real-life application will be further emphasized. Students should be aware that this is an Honors level class and are expected to prepare daily. Out of class assignments will average three to four hours per week and students should be prepared to devote that amount of time to this course.

SPANISH 4 HONORS (0708370)

GRADE LEVEL: 10,11,12 CREDIT: 1.0

PREREQUISITE: B OR HIGHER IN EACH SEMESTER OF SPANISH 3 HONORS. NATIVE SPEAKERS WILL BE GIVEN AN ASSESSMENT TEST TO DETERMINE PLACEMENT.

Spanish 4 Honors continues to enhance proficiency in the Spanish language. Emphasis will be placed on listening, speaking, reading, and writing fluently in the target language while addressing the six AP Spanish themes. Students may be required to obtain a copy of two different reading books for this course. This cost will not exceed \$20. Students are expected to participate using the target language. The purpose of this course is to further develop skills needed for AP Spanish.

Mission Statement

Lakewood Ranch High School, with the support of staff, parents, and the community, will strive to inspire each student to recognize and achieve his or her maximum individual potential through academic excellence, personal integrity, and responsible citizenship.



The mission of the Manatee County School District is to inspire our students with a passion for learning, empowered to pursue their dream confidently and creatively while contributing to our community, nation, and world.

*Dustin Dahlquist, Principal
Jillian Bieber, Assistant Principal
Jeannie Galindo, Assistant Principal
Valencia Lowen, Assistant Principal
Michael Staker, Assistant Principal*