Loris High School



2025-2026
Program of Studies

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Home of the *Lions*

Updated May 2022 (Course offerings are subject to change to reflect the needs and interests of our students)

Academic Policies & Procedures

Students will receive advisement from school counselors and current teachers to help them make appropriate course selections. Academic recommendations are necessary from the student's teachers in order to ensure appropriate course placement.

Students should take seriously the selection of courses for the next school year and choose a course of study based on their individual goals and abilities.

In addition to reviewing the South Carolina requirements for a high school diploma, students should also review the minimum requirements for admission to South Carolina public four year colleges and universities as specified by the South Carolina Commission on Higher Education. These requirements are summarized in this Program of Studies, a detailed description can be found here: https://goo.gl/pWVDJa

Many colleges and universities are highly selective in their admissions. Loris High School students are encouraged to select a rigorous course of study and enroll in higher level courses when appropriate. A rigorous senior year of study is an expectation of many colleges and employers. Loris High School seniors are encouraged to select challenging courses and to consider Advanced Placement (AP) and Dual Credit options, when appropriate.

Although school counselors are available for academic advising, students and parents are responsible for making certain that the student's academic plan meets the requirements of both the SC high school diploma and post-secondary school of choice.

The courses that students select are used to determine teacher allocation and the development of the master schedule, therefore late changes to student course requests and/or schedules may not always be possible.

Disclaimer: Loris High School makes every effort to ensure that the information in this Program of Studies is informative and accurate. However, new statutes and regulations may impact, negate, or change the implementation of programs and/or courses described. This Program of Studies should in no way be seen as a contract, but as a guideline for students as they move through their high school years.

Loris High School Mission Statement

The mission of Loris High School is to prepare all students to achieve excellence by creating an environment conducive to learning where students and families' work together to promote the skills needed in a continuously changing world.

High School Graduation Requirement

In order to receive a state high school diploma, the student must have attended the high school issuing the diploma for at least the semester immediately preceding graduation except in the case of a bona fide change of a residence to a location where the sending school will not grant the diploma.

Based on State Law, requirements to receive a South Carolina High School Diploma (graduation requirements) for students in grades 9-12 are prescribed as follows:

* Students must earn 24 total credits to receive a SC high school diploma.*

The 24 credits required for graduation must be earned in the following areas:

English/Language Arts	4 units
U.S. History and Constitution	1 unit
Government and Economics	1 unit
additional Social Studies	1 unit
Mathematics	4 units
Science	3 units
Computer Science	1 unit
Physical Education or JROTC	1 unit
*and meet the comprehensive Health requirement	
Foreign Language or CTE course	1 unit
Electives	7 units

4-YEAR COLLEGE ADMISSIONS CRITERIA

English/Language Arts	4 units
Mathematics	4 units
(Alg. 1, Geometry, Alg. 2, 1 or more Alg.2)	**units beyond**
Laboratory Science	3 units
U.S. History and Constitution	1 unit
Government and Economics	1 unit
Social Studies	1 unit
Foreign Language	2 or 3 units
(must be in the same language)	
Fine Arts	1 unit
Computer Science	1 unit
Physical Education or JROTC	1 unit
*and meet the comprehensive Health requirement	

One additional unit in comp. science, English, fine arts, foreign lang., social studies, humanities, lab science or math.

Total number of credits must equal 24

GRADE CLASSIFICATION / PROMOTION POLICY

Grade 9 – In order to be classified as a 9th grade student, the individual must have met the requirements of the 8th grade promotion standards.

Grade 10 – 5 total credits – 1 Math credit and 1 English credit

Grade 11 – 11 total credits – 2 Math credits and 2 English credits

Grade 12 – 16 total credits – 3 Math credits, 3 English credits, 2 Science credits, and 2 Social Studies credits

*Designation as a senior is not a guarantee that graduation requirements will be

CLASS RANK

High schools uniformly determine the official class rankings of students based on the grade point averages ("GPAs") of students in grade twelve, i.e., seniors, including students considered to be in grade twelve (see Grade Classification/Promotion Policy). GPAs are calculated after seniors' grades are finalized at the end of the school year, i.e., at the conclusion of the fourth quarter grading period or after the first term if the student is a January graduate. January graduates will not be included in the final rank. These final class rankings for seniors are computed in order to achieve the following three purposes:

1. **To determine honor graduates, using the Latin honors system as follows:**
   - Students with a weighted GPA* of 4.750 or higher on the S.C. uniform grading scale will be recognized as Summa Cum Laude graduates.
   - Students with a weighted GPA* of 4.250 or higher, but less than 4.750, will be recognized as Magna Cum Laude graduates.
   - Students with a weighted GPA* of 3.750 or higher, but less than 4.250, will be recognized as Cum Laude graduates.

*Weighted GPA calculations are based upon the S.C. Uniform Grading Policy's three decimal-point scale, and computations will not be rounded to a higher number.

Honors graduates will be recognized at each district high school graduation ceremony in the following manner:

- A notation indicating honor status (i.e., Summa Cum Laude, Magna Cum Laude, Cum Laude) will be inserted by the graduate's name in the high school's graduation program.
- The high school will announce the honor graduate's level of recognition (i.e., Summa Cum Laude, Magna Cum Laude, Cum Laude) when the graduate walks across the stage.
- District-wide, a uniform color-coding system will be used for the honor cords awarded to honor graduates. The color coding is as follows:

Summa Cum Laude	school color + gold
Magna Cum Laude	school color + silver
Cum Laude	school color + bronze

Academic regalia such as honors cords will be worn by a graduate during the ceremony provided that the student is:

- Eligible for Latin honors recognition,
- A member of a chartered honor society, or
- Entering the military.

Honor cords or other regalia may not be worn by students in graduation ceremonies to signify a student's membership or enrollment in an academy/club/organization/program, a student's completer status, and/or a student's winning a competitive event.

successfully met	

2. To determine students who will speak at district high school graduation ceremonies:

The Valedictorian (the senior with the highest rank) will speak at his/her school's graduation ceremony. The Salutatorian (the senior with the second highest rank) will speak at his/her school's graduation ceremony. A third senior, who has earned magna or summa cum laude recognition, will be selected through election by his/her peers in the magna/summa cum laude student group to speak at his/her school's graduation ceremony.

3. To provide final class rank information that seniors may need to report to the post-secondary institution (s) of their choice.

OFFICIAL CLASS RANK VS UNOFFICIAL CLASS RANK

Official Class Rank will be determined for tenth, eleventh, and twelfth graders on the 180th day of school. Students and parents may request an official transcript, which will include an official rank after the 180th day of school following the students' tenth, eleventh, or twelfth grade. Horry County Schools does not rank ninth graders.

Unofficial Class Rank may be determined at any time during the school year for tenth, eleventh, or twelfth graders. Unofficial class ranking is only a snapshot of where the student is ranked at the time the transcript is printed. It does not take into account any dual enrollment courses for which the student is currently enrolled, new students who have moved into the school, but do not have historical grades, or students who may enroll or leave the school before the end of the school year. All transcripts that are printed with an unofficial class rank will be labeled "Unofficial Transcript".

The rank in class for high school students will be computed according to the guidelines included in the S.C. Uniform Grading Policy. The district reserves the right to make changes in its policy concerning the structure for determining class rankings and grade point ratios.

Preliminary class ranking of seniors for college admissions and/ or scholarships

Preliminary class rank will be uniformly determined on the 135th day of school for twelfth graders based on the students' weighted GPAs for the following two purposes:

* To provide preliminary class rank information that seniors need for scholarships and other awards;
*To provide preliminary class rank information that seniors need for admission to postsecondary programs.

Note: Preliminary class ranking of seniors may not include all courses in which the student is currently enrolled, such as dual enrollment courses.
Note: January graduates will not be ranked with the graduating class.

Ranking of tenth and eleventh graders for South Carolina Palmetto Fellows Scholarship eligibility.

In order for students in grades ten and eleven to be considered for initial eligibility for South Carolina's Palmetto Fellows Scholarship, calculation of GPAs and determination of class ranking for tenth and eleventh graders will occur after the 180th day of school when all grades have been finalized.

Preliminary class ranking of juniors for selection of Junior Marshals

For the sole purpose of district high school graduation ceremonies, high schools will calculate the class rankings of eleventh graders, based upon their GPAs, on the 135th day of school, in order to identify junior class marshals. This 135th day ranking of eleventh graders is used only for the purpose of identifying junior class marshals.

Note: Preliminary class ranking of juniors may not include all courses in which the student is currently enrolled, such as dual enrollment courses.

SOUTH CAROLINA ACADEMIC HONORS AWARDS

Complete 24 units of credit as prescribed;

Receive a minimum grade of "B" for each semester course in grades 9-12 through the 7th semester;

Achieve either a score of 710 or higher on the SAT verbal, a score of 690 or higher on the SAT math, a score of 30 or higher on the ACT English, or a score of 33 or higher on the ACT math

OR

Complete 24 units of credit as prescribed;

Be eligible for graduation with a state high school diploma;

Have a combined score of 1400 on the SAT verbal and math sections or an ACT composite of 31

*Of the 24 units earned, 18 must be college preparatory coursework, four units in n additional electives, and two units in one or more of the following: English, science, social studies, or math.

HORRY COUNTY SCHOOLS HONORS

A student must surpass the minimum requirement for graduation and meet the additional following criteria:

- A cumulative Grade Point Average of 4.0 or higher;
- A composite SAT score of 1000 or higher (Critical Reading & Math) or composite ACT score of 22 or higher;
- Five (5) or more math courses and four or more (4) credit-bearing courses in science;
- Three (3) or more courses at the Advanced Placement (AP), International Baccalaureate (IB), or Dual Credit level;
- At least three (3) courses of the same foreign language or four (4) courses in two (2) different foreign languages;
- At least 28 Carnegie units meets requirements for a S.C. high school diploma;
- Show evidence of participation in at least one school sponsored organization during grades 10-12, or complete 50 hours of approved community service during high school.

ADVANCED PLACEMENT (AP)

Advanced Placement is a program run by College Board (the makers of the SAT) that allows students to take courses in high school that can earn college credit and/or qualify students for more advanced classes when they begin college. Since AP courses are challenging and require students to study for a comprehensive exam, they teach students skills that will help them succeed in college classes. Taking AP courses are also a way to demonstrate real academic interest in a certain subject.

Course credits granted for AP courses vary from college to college, so students should contact the college(s) of their choice for specific AP Policies.

LHS uses the AP Program's official policy for AP enrollment, which indicates that all willing students should be considered for admission to AP courses. Therefore, any student interested in taking an Advanced Placement (AP) course, should speak to their school counselor for more information!

PROJECT LEAD THE WAY (PLTW)

Project Lead The Way is a nonprofit organization that provides a transformative learning experience for PreK-12 students and teachers across the U.S. by creating an engaging classroom environment unlike any other. PLTW empowers students to develop and apply in -demand, transportable skills by exploring real-world challenges. Through pathways in computer science, engineering, and biomedical science, students not only learn technical skills, but also learn to solve problems, think critically and creatively, communicate, and collaborate. We also provide teachers with the training, resources, and support they need to engage students in real-world learning.

Students earning a qualifying score on the end of course exam in PLTW courses could be eligible to earn dual credit weight. The qualifying score is established by PLTW.

Eligibility for the Honors Award will be made after the 135th day of school in the semester of graduation. Students with serious behavioral offenses may be denied an Honors Award.

AP + PLTW STUDENT RECOGNITION

To help prepare all students for the global workforce, the **College Board** and **Project Lead The Way (PLTW)** have partnered on a program to encourage student participation in science, technology, engineering, and math (STEM) courses and build their interest in STEM degrees and careers. The program leverages the success of the College Board's Advanced Placement Program (AP) and Project Lead The Way's applied learning.

Students who complete the requirements of their chosen pathway earn the **AP+PLTW student recognition**, a qualification that demonstrates to colleges and employers that the student is ready for advanced coursework and interested in careers in this discipline.

To earn the recognition, the student must satisfactorily complete three courses in the pathway-one AP course, one PLTW course; and a third course, either AP or PLTW-and earn a qualifying score of 3 or higher on the AP Exam(s) and a score of proficient or higher on the PLTW End of Course assessment(s).

Level	**Engineering**	**Biomedical Science**	**Computer Science**
AP Courses	AP Biology AP Calculus AB AP Calculus BC AP Chemistry AP Environmental Science AP Physics AP Statistics	AP Biology AP Chemistry	AP Computer Science A
PLTW Courses	Introduction to Engineering Design (IED) Principles of Engineering (POE) Aerospace Engineering (AE) Civil Engineering & Architecture (CEA)	Principles of Biomedical Science (PBS) Human Body Systems (HBS) Medical Interventions (MI) Biomedical Innovations (BI)	Cybersecurity

DUAL-ENROLLMENT (PACE)

The Program for Accelerated College Enrollment (PACE) provides opportunities for qualified high school seniors to get a head start on college by taking college credit courses that will also meet high school graduation requirements.

PACE college courses are a valuable opportunity for students that will require personal responsibility and commitment to ensure success. PACE grades are included in the student's high school GPA/Rank and will be weighted as Dual Credit/Advanced Placement (AP) in accordance with the SC Uniform Grading Scale. Failure to complete these courses with a "C" or better may result in a lower overall GPA and ineligibility or loss of financial aid later on. In addition, PACE grades will appear on the student's college transcript and are important to their overall college GPA.

Students should contact their high school counselor for information on how to access the online PACE Application. Students will be responsible for completing all parts of the online application and providing supporting documentation.

TECHNICAL ADVANCED PLACEMENT (TAP)

Technical Advanced Placement (TAP) is an Advanced Placement (AP) program for high school students who are enrolled in Career Technology Education courses. Through articulation agreements between HCS and HGTC, high school students may receive Technical Advanced Placement (TAP) credit for specific high school courses. Articulation agreements could vary from year to year. TAP courses are designated in the LHS Program of Studies next to the course name. Included in the description is the grade requirement that the student must earn as well as the corresponding HGTC course name.

TAP benefits:

- Save money on college tuition, fees, and books
- Accelerate progress to college completion
- Reduce duplication of instruction
- Improves job-readiness skills
- Improves job-placement potential
- Earn college credit at no cost while in High School
- Motivates students to continue education

Admission Requirements:

In order to enroll in the TAP program a student must:

- Master the skills and competencies of the high school course.
- Earn the required grade for the course as listed in the Articulation Agreement.
- Receive a Teacher Recommendation form from the high school teacher.
- Submit the completed Teacher Recommendation form to the HGTC Admissions Office.
- A student must apply to HGTC , and register (which includes payment of tuition) in order for TAP credits to be accepted and entered on the student's transcript. The course will show on the transcript with the grade symbol "T", which means the student earns the credit hours but no grade is calculated.
- HGTC will award credit to students who enroll within 18 months of their graduation date and who have the TAP Teacher Recommendation form on file in the HGTC Admissions Office.

JANUARY GRADUATION

Although it is not recommended, January Graduation is an option for students who opt to graduate in January of their senior year. Interested students should schedule an appointment with their counselor prior to the spring of their junior year. A January Graduation application must be completed by the student and parent/guardian and on file in the school counseling office by October 1st of the student's senior year. Please keep the following in mind:

- The fact that a student has met with his/her school counselor, examined his/her transcript, and determined that the necessary units to graduate have been completed, does not ensure that the student has the necessary units to attend a four-year college. It merely means the student is eligible for high school graduation.
- January Graduates will not receive a final rank.
- January Graduates will be awarded a diploma through the base high school as soon as it is issued by the SCDE.
- January Graduates lose all privileges associated with being a student. The January Graduate will not be allowed on campus during the instructional day without an appointment with a school counselor. January Graduates may not attend any function that is designed for active students. Some examples include, but are not limited to, the prom, the academic awards ceremony, the senior celebration, any base school or academy senior recognition ceremony, etc.
- January Graduates will be allowed to participate in the spring base school graduation practice and ceremony (please note: Graduation practice is required for participation in the graduation ceremony).
- January Graduates will be eligible to begin a post-secondary education program and receive all scholarships for which they are eligible.
- January Graduates will need to contact the appropriate vendor directly to secure graduation supplies. Please see your base school website to determine the vendor and supplies needed.

EARLY GRADUATION

It is possible for a student to fulfill all graduation requirements in less than four years; however, it is not recommended for most students. Students who are interested in this option should schedule an appointment with their school counselor no later than the spring of their sophomore year. An Early Graduation application must be completed by the student and parent/ guardian prior to being considered. It is important to understand that even though a student has met with his/her school counselor and examined his/her transcript, it does not ensure that the student has the necessary units to attend a four-year college. It merely means the student is eligible for high school graduation. Early Graduation applications must be on file by October 1st of the student's third year.

Uniform Grading Policy

When the LIFE Scholarship (Legislative Incentive for Future Excellence) was created, the General Assembly directed the State Board of Education to develop and adopt a uniform grading scale to be implemented in all public schools of the state no later than the 2000 01 school year. In 1999, the State Board of Education adopted the first uniform grading policy to be applied to all students who first enrolled in the ninth grade class for the 2000- 01 school year. This policy was in effect until the end of the 2006-07 school year.

In January 2007, the State Board of Education approved the revised uniform grading policy to ensure its alignment with recommendations in the Report of the South Carolina High School Redesign Commission (March 2006) and the Education and Economic Development Act (2005). The revised policy was effective for all students in the 2007-08 school year
In April 2016 a revised 10 point grading scale was approved for the 2016-2017 school year. This grading scale will be used for all high school students regardless of grade level.

Additional Information can be found online at:
http://ed.sc.gov/newsroom/news-releases/10-point-uniform-grading-scale-approved-by-state-board-of-education/

Students in grades 9-12 may retake a course at the same level of rigor if they earned a D, P, NP, WP, FA or F in that course. The student's transcript will reflect all courses taken and the grades earned. However, only one course attempt and the highest grade earned for the course will be calculated in the GPA. The course must be completed within the next calendar school year AND prior to the next sequential course.

10 Point Grading Scale

South Carolina Uniform Grading Scale Conversions				
Numerical Average	Letter Grade	College Prep Weighting	Honors Weighting	AP/IB/Dual Credit Weighting
100	A	5.000	5.500	6.000
99	A	4.900	5.400	5.900
98	A	4.800	5.300	5.800
97	A	4.700	5.200	5.700
96	A	4.600	5.100	5.600
95	A	4.500	5.000	5.500
94	A	4.400	4.900	5.400
93	A	4.300	4.800	5.300
92	A	4.200	4.700	5.200
91	A	4.100	4.600	5.100
90	A	4.000	4.500	5.000
89	B	3.900	4.400	4.900
88	B	3.800	4.300	4.800
87	B	3.700	4.200	4.700
86	B	3.600	4.100	4.600
85	B	3.500	4.000	4.500
84	B	3.400	3.900	4.400
83	B	3.300	3.800	4.300
82	B	3.200	3.700	4.200
81	B	3.100	3.600	4.100
80	B	3.000	3.500	4.000
79	C	2.900	3.400	3.900
78	C	2.800	3.300	3.800
77	C	2.700	3.200	3.700
76	C	2.600	3.100	3.600
75	C	2.500	3.000	3.500
74	C	2.400	2.900	3.400
73	C	2.300	2.800	3.300
72	C	2.200	2.700	3.200
71	C	2.100	2.600	3.100
70	C	2.000	2.500	3.000
69	D	1.900	2.400	2.900
68	D	1.800	2.300	2.800
67	D	1.700	2.200	2.700
66	D	1.600	2.100	2.600
65	D	1.500	2.000	2.500
64	D	1.400	1.900	2.400
63	D	1.300	1.800	2.300
62	D	1.200	1.700	2.200
61	D	1.100	1.600	2.100
60	D	1.000	1.500	2.000
59	F	0.900	1.400	1.900
58	F	0.800	1.300	1.800
57	F	0.700	1.200	1.700
56	F	0.600	1.100	1.600
55	F	0.500	1.000	1.500
54	F	0.400	0.900	1.400
53	F	0.300	0.800	1.300
52	F	0.200	0.700	1.200
51	F	0.100	0.600	1.100

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Updated May 2022 (Course offerings are subject to change to reflect the needs and interests of our students)

COURSE DESCRIPTIONS

ENGLISH / LANGUAGE ARTS

English 1

Prerequisite: 8th Grade English Language Arts (ELA)
Credit: 1 credit

This course provides a comprehensive study of World literature, grammar, composition, vocabulary development, speaking, listening skills, and reference skills. Students must complete a research project.

English 1 Honors

Prerequisite: 8th Grade English Language Arts Honors (ELA)
Credit: 1 credit

This course provides a comprehensive study of World literature with a focus on critical reading skills specific to the short story, novel, poetry, drama, and nonfiction. There will be continued application of reference usage, vocabulary development, and essay development. This is an in-depth study that extends beyond the required curriculum. Students must complete a research paper.

English 2

Prerequisite: English 1
Credit: 1 credit

This course offers study of World Literature genres and universal themes. Students will continue to build on the skills acquired in English I, with continued focus on argument, literary analysis, interpretation of purpose within a variety of communication formats, extensive reading within different genres, grammar, and development of a personal voice in writing. The South Carolina End-of-Course exam will be given to all students.

English 2 Honors

Prerequisite: English 1 Honors or English 1 w/ teacher rec.
Credit: 1 credit

This course will continue to build on the skills acquired in English I Honors with a reading focus on World Literature. Using in-depth study that extends beyond the required curriculum, students will continue to focus on argument, literary analysis, interpretation of purpose within a variety of communication formats, extensive reading within different genres, and development of a personal voice in writing. There will be continued application of reference usage, vocabulary development, grammar, and essay development. A research project is required. The South Carolina End-ofCourse exam will be given to all students at the end of this course.

English 3

Prerequisite: English 2
Credit: 1 credit

This course surveys American literature beginning with the Native American period. Students will refine skills in the areas of literary analysis, grammar, composition, research, vocabulary development, and public speaking. In order to receive credit for the course, students must successfully complete a research paper/project.

English 3 Honors

Prerequisite: English 2 Honors or English 2 w/ teacher rec.
Credit: 1 credit

This course is a comprehensive survey of American literature with an emphasis on argument and literary analysis. Expository and persuasive writing are stressed to promote critical writing skills as well as critical thinking skills. In order to receive credit for the course, students must successfully complete a research paper.

English 4

Prerequisite: English 3
Credit: 1 credit

This course offers an in-depth study of British literature. Literary criticism, expository and persuasive writing, critical thinking, vocabulary, and research are emphasized. In order to receive credit for this course students must successfully complete a research paper.

English 4 Honors

Prerequisite: English 3 Honors, AP English Lang, or English 3 w/ teacher rec.
Credit: 1 credit

This course offers an in-depth study of British literature. Literary criticism, expository and persuasive writing, critical thinking, vocabulary, and research are emphasized. The work in this class is characterized by a high degree of complexity and study. Students must read independently and write complex literary analyses. In order to receive credit for this course students must successfully complete a research paper.

AP English Language & Composition

Prerequisite: English 2 Honors, English 2 w/ teacher rec.
Credit: 1

English credit The AP English Language and Composition course follows the curriculum prescribed by the College Board. It is designed for juniors who have developed their writing skills and their awareness of style and rhetoric. The main focus of study is non-fiction by various authors and essayists. In order to receive credit for the course, students must successfully complete a research paper/project. Students will take the corresponding AP Examinations in May.

ENGLISH / LANGUAGE ARTS

AP English Literature

Prerequisite: English 3 Honors, AP English Language & Composition, or English 3 w/ teacher rec.
Credit: 1 English credit

Advanced Placement English is designed to involve students in the study of composition and literature at the college level. Students must possess strong skills in analytical reading and written expression. Course content requires extensive reading outside of class and during the summer. Students will take the AP Examination in May.

MATHEMATICS

Foundations of Algebra (year-long)

Prerequisite: Math 8
Credit: Foundations of Algebra Seminar (Fall semester)= 1 elective credit
Foundations of Algebra (Spring semester)=1 math credit

Focuses on the ability to understand and apply mathematics to solve realistic workplace problems. Algebraic skills are taught through an interactive approach. Topics include generalizations and algebraic symbols, algebraic expressions in problem solving situations, equations and inequalities, slopes of lines, linear functions and data representation. Students will use graphing calculators (TI-84) and appropriate computer software. (2 semester course).

Foundations of Algebra (semester-long)

Prerequisite: Teacher recommendation
Credit: 1 credit

This course is designed for students who did not find success in yearlong Foundations of Algebra and need to repeat the course. See course description above

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Intermediate Algebra

Prerequisite: Foundations of Algebra or a final grade of a 'D' in Algebra 1 with teacher rec.
Credit: 1 credit

The second course in a program focusing on development of student's ability to understand and apply mathematics to solve real workplace problems. Algebraic skills are taught through an interactive approach. Topics include generalizations, algebraic symbols and matrices, algebraic expressions in problem solving situations, interpretations, linear functions and data representation, systems of linear equations, linear and quadratic functions and other functions. Students will use graphing calculators (TI-84) and appropriate computer software. **Foundations in Algebra and Intermediate Algebra meet the state Algebra standards. The state Algebra 1 End-of-course exam will be given at the**

Algebra I (year-long)

Recommended criteria for placement: `Students should meet 2 out of the 3: *MAP: 235 ≥ *SC Ready: 600 ≥ *Math 8 Grade: 80 ≥`
Credit: Algebra I Seminar (Fall semester)= 1 elective credit Algebra I (Spring semester)=1 math credit

This course focuses on the development of your ability to use a variety of representations, tools, and technologies to model mathematical situations in order to solve meaningful problems. The course topics include generalizations, algebraic symbols, matrices, algebraic expressions in problem-solving situations, relationships, equations, inequalities, interpretations, linear functions, systems of linear equations, quadratic functions and data representations. The state Algebra I End-of-Course exam will be given at the completion of the course (2nd semester course).

Geometry

Prerequisite: Algebra 1 or Algebra 1 Honors
Credit: 1 credit

This course is the mathematical study of shapes, their properties, and their relationships. Emphasis is placed on student discovery and exploration and on formulating and defending conjectures. Geometry includes an in-depth study of reasoning, polygons, congruence, similarity, right triangles, circles, area, volume, and transformations.

Geometry Honors

Prerequisite: Algebra 1 Honors
Credit: 1 credit

This course will place emphasis on student discovery and exploration and on formulating and defending conjectures. Geometry includes an in-depth study of reasoning, polygons, congruence, similarity, right triangles, circles, area, volume, and transformations. Students will use a variety of approaches, such as coordinate, transformational, and axiomatic systems. Honors Geometry also includes the study of conditional statements, truth tables, and Pick's theorem.

Algebra 2

Prerequisite: Geometry or Geometry Honors
Credit: 1 credit

This course is an in-depth study of functions, patterns, relations, and concepts of number systems. This includes linear, quadratic, exponential, absolute value, radical, and rational functions. Students will use graphing calculators (Ti-84) and appropriate computer software.

Algebra 2 Honors

Prerequisite: Geometry Honors
Credit: 1 credit

This course contains an in-depth study of functions, patterns, relations, and concepts of number systems. You will use a variety of representations, tools, and technologies to model situations to solve meaningful problems.

completion of Intermediate Algebra.

MATHEMATICS CONT…

Algebra 3

Prerequisite: Algebra 2 or Algebra 2 Honors
Credit: 1 credit

This course is an extension of concepts taught in earlier courses with emphasis on applications of polynomial, rational, exponential, logarithmic, trigonometric functions, and matrices. Emphasis is on active participation through modeling, technology lab activities, group activities, and communication in mathematics. This course is recommended for students who took Algebra 2 or Algebra 2 Honors and would like to build their skills prior to Pre-Calculus Honors or equivalent college level course.

Pre-calculus Honors

Prerequisite: Algebra 2 Honors or Algebra 3
Credit: 1 credit

The course will include an in-depth study of polynomial, rational, exponential, logarithmic, and trigonometric functions. Includes the study of decomposition of rational expressions, systems of seconddegree equations and inequalities, complex numbers in polar form, iteration, and fractals.

AP Calculus (AB)

Prerequisite: Pre-calculus Honors
Credit: 1 elective credit (fall) / 1 math credit (spring)

Advanced Placement Calculus (AB) focuses on topics in analytic geometry, functions, and differential and integral calculus. The competencies of this course are prescribed by the College Board. If you score at an acceptable level on the Advanced Placement examination, you will be eligible to receive college credit from participating institutions. Students will take the AP examination in May. (2 semester course)

AP Calculus (BC)

Prerequisite: AP Calculus (AB)
Credit: 1 credit

AP Calculus (BC) is a semester long course in the calculus of functions of a single variable. Calculus (AB) topics will be reviewed and additional topics will be covered. The competencies of this course are prescribed by the College Board. If you score at an acceptable level on the AP exam, you will be eligible to receive college credit at participating institutions in a course that is one course beyond that granted for Calculus (AB). Students will take the AP examination in May.

Honors Algebra 2 also includes the study of logarithmic and polynomial functions.

Probability & Statistics

Prerequisite: Geometry
Credit: 1 credit

In this course, you will learn the fundamental principles of probability and statistics and apply these principles to data analysis. The course topics include foundations of data analysis, univariate data displays, interpret graphical display, bivariate data and scatter plots, basic probability concepts and applications, probability distributions, statistical inference, and project design.

Probability & Statistics Honors

Prerequisite: Geometry
Credit: 1 credit

In this course, you will learn the fundamental principles of probability and statistics and apply these principles to data analysis. The course topics include foundations of data analysis, univariate data displays, interpret graphical display, bivariate data and scatter plots, basic probability concepts and applications, probability distributions, statistical inference, and project design.

AP Statistics

Prerequisite: Probability & Statistics or Algebra 2 H w/ teacher rec.
Credit: 1 credit

The purpose of this course is to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes: Exploring Data—Describing patterns and departures from patterns, Sampling and Experimentation—Planning and conducting a study, Anticipating Patterns-Exploring random phenomena using probability and simulation, Statistical Inference—Estimating population parameters and testing hypotheses. Students will take the AP exam in May.

SCIENCE

4 year SC colleges require three lab sciences for college admissions. The lab courses are designated in the course description. The Science Department strongly recommends that all college-bound students include Chemistry in their course selections.

Physical Science

Credit: 1 credit Grade 9

This course is an introductory course in which students will explore natural laws and scientific principles as they relate to the topics of physics and chemistry. Concepts include measurement, analyzing and graphing data, properties of matter, forms of energy, and the interaction of matter and energy. Concepts are reinforced by numerous laboratory demonstrations and investigations. This course is not recognized as a lab science by most colleges.

SCIENCE CONT…

Physical Science Honors

Credit: 1 credit Grade 9

This course is an introductory course in which students will explore natural laws and scientific principles as they relate to the topics of physics and chemistry. Concepts include measurement, analyzing and graphing data, properties of matter, forms of energy, and the interaction of matter and energy. Concepts are reinforced by numerous laboratory demonstrations and investigations. This course is not recognized as a lab science by most colleges.

Biology 1





Credit: 1 credit Grade 10

This lab science course continues the study of scientific inquiry. Laboratory investigations reinforce the understanding of living things, their functions, and their interdependence. The course includes a comprehensive study of the ce3ll which includes: molecular structure, cell functions, chemical processes, heredity, and biological organization and hierarchy in all living things. This course explores the interrelationships among organisms, the biotic and abiotic components of their environment, and the social implications of the human impact on the physical and chemical cycles and processes of Earth. Students must take the South Carolina End-ofCourse Exam at the conclusion of the course.

Biology 1 Honors





Prerequisite: Geometry Honors or Algebra 1 Honors w/ teacher rec. Credit: 1 credit

Biology Honors is an introductory laboratory-based science course designed to familiarize the college-bound student with the major concepts of biological science: the cell, molecular bases of heredity, biological evolution, interdependence of organisms, matter, energy, organization in living systems, behavior, regulation and human impact on systems. This course provides numerous opportunities for students to develop science process skills, an appreciation for the nature of science through inquiry-based learning experiences, and investigative, hands-on lab activities. This course also will focus on advancing students ability to think critically and apply information learned to real world situations. Students are required to analyze peer review journal articles in both oral and written form. Students must take the South Carolina End-of-Course Exam at the conclusion of the course.

Chemistry 1



Prerequisite: Biology, and Algebra 2 or teacher recommendation Credit: 1 credit

This course includes a study of the structure and organization of matter, chemical bonding, chemical equilibrium, chemical reactions, and environmental effects. This course is designed for students planning to attend a four-year college.

Chemistry 1 Honors



Prerequisite: Algebra 2 Honors and Biology Honors
Credit: 1 credit

This course includes a study of the structure and organization of matter, chemical bonding, chemical equilibrium, chemical reactions, and environmental effects. This course is designed for students planning to attend a four-year college. Students will complete inquiry based labs with emphasis on data collection and analysis.

Marine Science Honors



Prerequisite: Biology 1
Credit: 1 credit

This course offers a comprehensive study of the world ocean including the science of biology, geology, chemistry, and physics. The major topics of study include: history of ocean exploration, origins of the ocean and plate tectonics, seafloor topography, sediments and water structure, hurricanes and currents, waves and tides, coasts, plankton/ algae/plants, marine animals, marine communities, marine resources, and environmental concerns. Students will explore the ocean concepts through numerous laboratory and internet-based activities. There will be a major emphasis on local beach and salt marsh ecosystems, including animal identification.

Anatomy and Physiology Honors



Prerequisite: Biology 1
Credit: 1 credit

This course involves the study of the human body's form and function. In addition to all body systems that will be studied, medical terminology, diseases, and health care careers will be explored. This course consists of a lab unit involving animal (cat/mink) dissection and physical activity labs.

Environmental Science



Prerequisite: Biology 1
Credit: 1 credit

This course focuses on interactions in ecosystems found locally and applies this knowledge to some important ecosystems around the globe. Students will learn field study techniques, sampling procedures, and species identification. They will see how science is applied to business and industry through such topics as environmental impact, wetland delineation, and ecotourism.

AP Environmental Science





Prerequisite: Geometry Honors
Credit: 1 elective credit (fall) / 1 science credit (spring)

The AP Environmental Science course is designed to be the equivalent of a one semester, introductory college course in environmental science. Unlike most other introductory-level college science courses, environmental science includes a wide variety of subjects, including geology, biology, marine science, chemistry, and geography. Students must possess high level reading and math skills, be willing to commit to extensive studying outside of class, and be prepared for intensive laboratory and field work which may require additional time outside of school hours. Students will take the corresponding AP Exam in May.

SCIENCE CONT...

AP Biology

Prerequisite: Biology 1 Honors & Chemistry 1 Honors
Credit: 1 elective credit (fall) / 1 science credit (spring)

Advanced Placement Biology adheres to the AP Program as prescribed by the College Board. Candidates for AP Biology should possess high level reading skills since there are extensive reading assignments from a college textbook. The laboratory work required for success in the course is intensive, and may require additional time in the lab after the normal school hours. Successful completion of this course, and acceptable performance levels on the required AP Biology Exam (a standardized test from the College Board) may result in college credit as a first-year biology course at the student's choice of a college or university. AP Biology is presented at the introductory college level. Students will take the AP examination in May. (2 semester course)

AP Chemistry

Prerequisite: Chemistry 1 Honors & Algebra 2 Honors
Credit: 1 elective credit (fall) / 1 science credit (spring)

Advanced Placement Chemistry provides an opportunity for you to pursue and receive credit for college-level coursework completed on the secondary level if you receive a passing score on the Advanced Placement examination. The course is a rigorous math-based course, with a strong laboratory component. It is intended for students who have demonstrated a willingness to commit considerable time to studying and completing assignments outside of class. Units include, but are not limited to, reactions, acids and bases, equilibrium, thermodynamics, bonding, periodicity, hydrocarbons, nuclear chemistry, and kinetics. AP Chemistry adheres to the program of study as prescribed by the College Board. Students will take the AP examination in May. (2 semester course).

SOCIAL STUDIES

AP Human Geography

Prerequisite: English 1 Honors
Credit: 1 elective credit (fall) / 1 social studies credit (spring)

This course is taught at the college level and is designed for students willing to make a commitment to the study of human geography. The objective of the course is to focus on the distribution, processes, and effects of human populations on the planet. The course provides a systematic study of human geography, including the following topics outlined in the College Board course description: Nature of and Perspectives on Geography, Population, Cultural Patterns and Processes, Political Organization of Space, Agricultural and Rural Land Use, Industrialization and Economic Development, Cities and Urban Land Use. Students take the AP Human Geography exam in May. (2 semester course)

Modern and World History

Credit: 1 credit

World History from 1300: The Making of the Modern World is designed to assist students in understanding how people and countries of the world have become increasingly interconnected. In the last six hundred years, population growth, demand for resources, curiosity, and technology have converged to draw the distant corners of the world closer together. Critical thinking is focal to this course, which emphasizes on why and how people, ideas, and technology have made an impact on diverse groups of people. Covers from the mid 15th century up to the present day.

Modern and World History Honors

Credit: 1 credit

World History from 1300: The Making of the Modern World is designed to assist students in understanding how people and countries of the world have become increasingly interconnected. In the last six hundred years, population growth, demand for resources, curiosity, and technology have converged to draw the distant corners of the world closer together. Critical thinking is focal to this course, which emphasizes on why and how people, ideas, and technology have made an impact on diverse groups of people. Covers from the mid 15th century up to the present day.

AP European History

Prerequisite: AP Human Geography or teacher rec.
Credit: 1 elective credit (fall) / 1 social studies credit (spring)

This course is taught at the college level and is designed for students willing to make a commitment to the study of history. The objective of the course is to increase students' understanding and appreciation of European history since 1450, while helping them succeed on the AP European History exam. The class introduces students to cultural, economic, political, and social developments that played a fundamental role in shaping the world in which they live. In addition to providing a basic narrative of events and movements, the goals of AP European History are to develop (a) an understanding of the principal themes in modern European history, (b) an ability to analyze historical evidence and historical interpretation, and (c) an ability to express historical understanding in writing. Students take the AP European History exam in May. (2 semester course)

U.S. History and the Constitution

Prerequisite: World History or AP European History
Credit: 1 U.S. History and Constitution credit

This survey course covers the social, economic and political developments in the United States from the earliest settlement of North America to the present. This span includes the Native Americans, establishment of colonies, creation of a new nation, the U.S. Constitution, territorial expansion to the West, Civil War and Reconstruction, industrialization and immigration of the late nineteenth century, and our nation's role in world affairs in the twentieth and twenty-first centuries. Students will analyze historical documents, understand varying viewpoints, and evaluate the historical interpretation of others. This course is required for graduation. The SC End of Course exam will be given to all students.

SOCIAL STUDIES CONT...

U.S. History and the Constitution Honors

Prerequisite: World History or AP European History
Credit: 1 U.S. History and Constitution credit

This survey course covers the social, economic and political developments in the United States from the earliest settlement of North America to the present. This span includes the Native Americans, establishment of colonies, creation of a new nation, the U.S. Constitution, territorial expansion to the West, Civil War and Reconstruction, industrialization and immigration of the late nineteenth century, and our nation's role in world affairs in the twentieth and twenty-first centuries. Students will analyze historical documents, understand varying viewpoints, and evaluate the historical interpretation of others. This course is required for graduation. The SC End of Course exam will be given to all students.

AP U.S. History

Prerequisite: AP European History or World History w/ teacher rec.
Credit: 1 elective credit (fall) / 1 US History credit (spring)

This course is designed as a college level course for students willing to commit to the serious study of history. AP U.S. History is an intensive study that requires the utilization of skills and factual knowledge to analyze problems in the history of the US. The course involves research, interpretation, critical analysis, and extensive reading. Specific emphasis will be placed on social, economic and political trends of the United States in foreign and domestic affairs through the year 2003. Analysis and interpretation of documents, maps, statistical data, pictorial and graphic evidence will be required. Students take the AP U.S. History exam in May. The SC End of Course exam will be given to all students. (2 semester course)

U.S. Government

Prerequisite: U.S. History or AP U.S. History
Credit: (.5) credit

Government is a rigorous course designed for high school seniors. This nine week course will deal with the U.S. National Government. Students will primarily examine the operation of major American institutions such as the Presidency, the National courts, and Congress. Civil rights, civil liberties and civic responsibilities will also be discussed. This course is scheduled in partnership with Economics and Personal Finance

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Economics

Prerequisite: U.S. History or AP U.S. History
Credit: (.5) credit

This nine week course will deal with Economics. The goal is to increase students' financial literacy and to study the structure of the American economic system. The focus is on economic principles, with an emphasis on the efficient allocation of resources through the market forces of demand and supply. With regard to financial literacy, students are also given instruction in banking and financial institutions, credit card and credit management, and stock and bond markets. This course is scheduled in partnership with US Government.

AP U.S. Government and Politics

Prerequisite: U.S. History or AP U.S. History
Credit: 1 Government credit

This course will present an analytical perspective on government and politics in the United States. Its guiding goals are to help students develop a critical understanding of the strengths and weaknesses of the American political system, understand the rights and responsibilities of citizens, while also helping them succeed on the AP U.S. Government and Politics Exam. In order to achieve these objectives, the course will include both the study of general concepts used to interpret U.S. politics, and the analysis of specific examples. It also requires students to become familiar with the various institutions, groups, beliefs, and ideas that constitute the U.S. political system. Students take the AP U.S. Government and Politics in May. This course must be taken in conjunction with AP Micro Economics in order to meet the Government / Economics graduation requirement.

AP Microeconomics

Prerequisite: U.S. History or AP U.S. History
Credit: 1 credit

The purpose of an AP course in Microeconomics is to provide a thorough understanding of the principles of economics that apply to the functions of individual decision makers, both consumers and producers, within the larger economic system. It places primary emphasis on the nature and functions of product markets, and includes the study of factor markets and of the role of government in promoting greater efficiency and equity in the economy. This course must be taken in conjunction with AP Micro Economics in order to meet the Government / Economics graduation requirement.

ELECTIVES

Humanities

Education 101 (Teacher Cadet)

Prerequisite: Grades 11-12 and an application is required
Credit: 1 credit

The purpose of this class is to inform and enlighten the student about education as a career choice and to attract highly qualified students into the teaching profession. In this course, the students will be exposed to the many facets of education through current educational readings, class discussions, guest speakers, discovery-learning projects, classroom observations, and participatory experiences with schools. They will have the opportunity to earn 3 hours of college credit from Coastal Carolina University upon successful completion of this course. This course is offered by invitation to rising seniors who have a 3.0 cumulative grade point average during their junior year. An application, consisting of attendance records, discipline records, 5 letters of recommendation, and an essay, must be submitted. Applications are evaluated by the Teacher Cadet instructor and a committee of staff members at the school to select participants for the class. (This course will be limited to approx. 15 students per year)

ELECTIVES CONT…

English for Speakers of Other Languages
Determined by English proficiency score
Credit: 1 credit

The ESOL class will consist of two components. The majority of the class will focus on improving reading, writing, listening, and speaking skills in English. The remaining portion will provide structured academic assistance.

Grammar & Composition

Determined by 8th grade test scores
Credit: 1 credit

Designed to emphasize the study of grammar and composition to help strengthen student's writing and communication skills. Students will review punctuation, capitalization, sentence structure, spelling and usage as well as work on logical thinking and various modes of composition. The course also focuses on the writing process, the study of language, as well as listening and speaking skills. This class is intended to prepare students for English I.

Journalism 1

Credit: 1 credit

This course focuses on two aspects of journalism: broadcasting and print. In the broadcasting strand, you will be exposed to the past, present, and future of mass media. You will analyze a variety of mass media including comics, animation, film, radio, television, and the internet. You will also explore the effects of mass media on society. The print strand encompasses intensive instruction in writing, design, and desktop publishing for newspapers and yearbooks. Issues such as ethics, responsibility, and publication laws will also be covered. Students should possess strong reading and writing skills.

Newspaper Production

Prerequisite: Journalism 1, Grades 10-12
Credit: 1 credit

This class will produce the high school newspaper. Students will sharpen their interviewing, reporting, writing, photography, computer and design skills by producing the monthly paper. Students will be required to sell ads and work approximately five extra hours a month outside of class time. (This course can be repeated as space allows, however; only the first credit earned will be counted towards total credits earned).

Yearbook Production

Prerequisite: Journalism 1, Grades 10-12
Credit: 1 credit

This course expands office computing by incorporating the use of a microcomputer-based system and software with graphic capabilities to produce publication materials in which typeset text and graphics have been integrated on the page using accepted journalism and presentation techniques. The major objective of the course is to produce the school yearbook. Students must agree to work outside of class and to sell ads. (This course can be repeated as space allows, however; only the first credit earned will be counted towards total credits earned).

Psychology

Prerequisite: Grades 10-12
Credit: 1 credit

This course is designed to help students better understand themselves and others in everyday situations. Major areas of emphasis will be personality and behavioral development, intelligence, heredity and environment, marriage and family life, peer groups, mental health and social problems, learning and conditioning, and social and abnormal psychology.

Law Education

Prerequisite: English 1
Credit: 1 credit

Students will explore the historical and legal basis of the United States legal system. Students will study the U.S. Constitution, landmark Supreme Court cases as well as influential case law. Particular focus will be placed on research, synthesizing legal concepts, and ethics. Students will research various topics relating to the U.S. Constitution focusing on landmark cases and their current impact on society. Students will independently simulate Congressional debate and courtroom procedures. When given current legal controversies, students will research and create original arguments supporting their opinions. This course will particularly focus on developing students' oratorical skills and critical thinking, while incorporating teamwork and leadership skills. Students will prepare and conduct a trial with hypothetical cases provided by the South Carolina Bar Association. Local attorneys will serve as mentors and facilitate class discussion and research. Student teams compete in regional, state, and possibly national competitions. Students may have some required meetings outside the traditional school day. This course allows students to explore various career opportunities in the legal profession.

Foreign Language

Spanish 1

Credit: 1 credit

This course is the first in a series in which students develop communication skills, cultural knowledge, connections to their subject areas, comparisons to their own language and culture, and participation in multilingual communities. Students will study vocabulary, the basic grammatical mechanics of the language, pronunciation, and culture. Emphasis is placed on developing interpretive, interpersonal, and presentational skills within an authentic cultural context.

Spanish 2

Prerequisite: Spanish 1
Credit: 1 credit

This course is a continued study of the language principles developed in Spanish I. Students will expand their basis knowledge of the language. Students will learn additional vocabulary and will be exposed to more complex grammar concepts and culture. Interpretive, interpersonal, and presentational skills will continue to be developed and applied.

Spanish 3 Honors

Prerequisite: Spanish 2
Credit: 1 credit

This third level of language study again advances what has been acquired in Spanish I and II. All concepts and vocabulary learned in the first two levels are utilized and expanded. The course includes an intensified study of vocabulary, grammar, and culture to further develop interpretive, interpersonal, and presentational skills in the language. Students will be expected to show higher levels of comprehension in all standards.

Fine Arts (Visual)

Art I

Credit: 1 credit

This course is an introductory level class designed to teach students the basic skills needed for understanding and creating art. Successful completion of the class will provide the foundation for continued study in the visual arts. The curriculum is designed around the Elements of Art, Principles of Art, art history and technique development. Reading and writing are a part of this course. A sketch book and necessary supplies will be required.

Art 2: Drawing

Prerequisite: Art 1 with a grade of 80 or higher
Credit: 1 credit

This course is offered to students who would like to further their study of visual art specifically with 2D drawing media. Students will continue to study art history and aesthetics. Exploring and creating using multiple types of drawing media will be the focus of the class. The basic supplies that students are required to have upon entering this course are a sketchbook, pencils, pens, and erasers.

Art 3: Sculpture

Prerequisite: Art 1 with a grade of 80 or higher
Credit: 1 credit

This class explores the various materials used to create sculptures including clay, wood, paper mache, and wire. Students learn how to manipulate these materials and use sculpting tools safely. They will analyze other works of sculpture through discussion and critique, examining geometric, abstract and organic forms. Students will be required to work daily in a sketchbook to create various plans for each project. Students will have the opportunity to submit artwork into various art shows and to create a digital portfolio of their work. The basic supplies that students are required to have upon entering this course are a sketchbook and pencil.

Art 4: Painting

Prerequisite: Art 1 with a grade of 80 or higher
Credit: 1 credit

This course is offered to students who would like to further their study of visual art specifically with 2D painting media. Students will continue to study art history and aesthetics. The basic supplies that students are required to have upon entering this course are a sketchbook, pencils and erasers.

Art Appreciation

Credit: 1 credit

This course is an introductory semester long course designed to increase knowledge and appreciation of the visual arts. Successful completion of this course will fulfill the fine art credit requirement. Students will interpret and evaluate works while being introduced to the elements and principles of design. Students will participate in a variety of art applications to experience and better understand the process of creating art. Students will be required to keep an art journal. No prior experience in art is required.

Fine Arts (Visual) Cont...

AP Studio Art 2D Design

Prerequisite: Art 1 and teacher approval
Credit: 1 credit

This course is for highly motivated students who are ready for a college-level art experience. The AP Program is sponsored by the College Board, and AP policies are determined by representatives of College Board member institutions throughout the country. The program allows colleges to evaluate and award student work by granting college level credit and/or placement. Students will demonstrate mastery through any two-dimensional medium or process, such as graphic design, digital imaging, photography, collage, fabric-design, weaving, fashion design, fashion illustration, painting and printmaking. Students will submit a portfolio as their AP examination in May (1 semester course)

Digital Photography

Prerequisite: Art 1 with a grade of 80 or higher or Image Editing
Credit: 1 credit

Through lectures and hands-on experience, students will learn a basic understanding of the digital camera and its functions. An emphasis will be placed on manipulation of camera controls, exposure, shutter speed, lighting, and on-and-off camera flash. Students will also learn the basics of digital editing as well as some advanced techniques using Adobe Camera Raw and Adobe Photoshop. Students will gain a greater understanding of the Elements and Principles of Art as they pertain to Digital Photography. Previous experience with photography and the computer is beneficial but not required. A DSLR camera is not required but will allow greater freedom for the student to work outside of class and have more hands on time with the camera. Students will be expected to complete several assignments outside of class.

Digital Photography 2

Prerequisite: Digital Photography 1
Credit: 1 Credit

Through lectures and hands-on experience, students will learn a basic understanding of the digital camera and its functions. An emphasis will be placed on manipulation of camera controls, exposure, shutter speed, lighting, and on-and-off camera flash. Students will also learn the basics of digital editing as well as some advanced techniques using Adobe Camera Raw and Adobe Photoshop. Students will gain a greater understanding of the Elements and
Principles of Art as they pertain to Digital Photography. Previous experience with photography and the computer is beneficial but not required.

Fine Arts (Instrumental)

At LHS, marching band is considered an extracurricular activity. Information regarding becoming a member of the LHS Marching Band can be obtained from Mr. Stephen Whisnant, Band Director. SWhisnant001@horrycountyschools.net

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Instrumental Music: Band 1 - 8 (Concert Band)

Prerequisite: Audition or teacher approval
Credit: 2 credits

Band I is for somewhat advanced students who have demonstrated technical skills. Master musicianship, technique, and performance-related music theory skills will be emphasized. Students will perform music commensurate with grade level IV-VI (on a music grading scale of I-VI). Students will also be eligible to participate in those activities within the band program that are considered co-curricular. Some activities will occur outside of the regular class period. Band II is for advanced students who have demonstrated advanced technical skills. Master musicianship, technique, and performance related music theory skills will be emphasized. Students will perform music commensurate with grade level IV-VI (on a music grading scale of I-VI). Students will also be eligible to participate in those activities within the band program that are considered co-curricular. Some activities will occur outside of the regular class period. (2 semester course)

Instrumental Music: Orchestra Strings 1-8

Prerequisite: Audition or teacher approval
Credit: 2 credits

The content of these courses focuses on developing skills in the areas of rhythm, ear training, performance, form and analysis, and music reading. Knowledge is gained in an historic and stylistic understanding of the music being studied. Knowledge is gained regarding symbols, terminology, and other indications on the printed score. Experience in ensemble playing is a feature of this course. Public performances are required. (2 semester course)

Fine Arts (Performing)

Chorus 1- 8

Prerequisite: Audition Only
Credit: 1 Credit

This course is for intermediate-level to advanced chorus students. Singing independently and without accompaniment is required. Auditioning for All-County Chorus and All-State Chorus will be offered. Attendance at after-school rehearsals and performances is mandatory. Costume purchase is required.

Physical Education

Physical Education 1

Credit: 1 credit

This course will provide a wide array of topics related to health, physical fitness and how to establish a high quality life-style. Students will be involved in a wide range of fitness activities, learn how to assess their own health and fitness levels, and participate in a variety of team sports and lifetime activities. PE 1 is a required course to receive a high school diploma. All five standards set up by the state of South Carolina must be passed in order to receive credit for the course. The only exception to the PE 1 requirement is JROTC 1.

PE 2/Sports Conditioning

Prerequisite: PE 1 or ROTC
Credit: 1 Credit

Students will concentrate on learning sport-skills competence, offensive and defensive sports strategies, and physical literacy. Sport education units learned are volleyball, softball, tennis, basketball, badminton, soccer, football, and personal fitness. (This course can be repeated as space allows, however; only the first credit earned will be counted towards total credits earned).

PE 3/Strength/Conditioning

Prerequisite: PE 1 or ROTC
Credit: 1 Credit

Student athletes are encouraged to participate in this class to build endurance and strength for their upcoming sport. Students are required to dress out daily for weightlifting, agility work, and total body enhancement. Expect to sweat! A student must have a written recommendation from his/her coach to be put in this class. (This course can be repeated as space allows, however; only the first credit earned will be counted towards total credits earned).

PE 4/Strength/Conditioning

Prerequisite: Must qualify and apply with the athletic director
Credit: 1 Credit

Student athletes are encouraged to participate in this class to build endurance and strength for their upcoming sport. Students are required to dress out daily for weightlifting, agility work, and total body enhancement. Expect to sweat! A student must have a written recommendation from his/her coach to be put in this class. (This course can be repeated as space allows, however; only the first credit earned will be counted towards total credits earned).

Sports & Conditioning 5, 6, 7, 8

Prerequisite: Physical Education 1
Credit: 1 Credit

This elective course is designed for out of season athletes who are looking to improve their skills and fitness. A focus will be placed on strength, agility, and sport specific fitness. Activities and drills will be included to allow for athletes to improve their individual skill level as well. This course may not be used in lieu of PE 1 to satisfy the graduation requirement. (This course can be repeated as space allows, however; only the first credit earned will be counted towards total credits earned).

Junior ROTC

JROTC 1, 2, 3, 4, 5, 6

Credit: 1 credit each semester

There are several components involved within JROTC. This course introduces cadets to the study of world affairs, regional studies, and cultural awareness. The Leadership Education component introduces cadets to the history, organization, mission, traditions, goals, and objectives of JROTC and includes key military customs and courtesies, how to project a positive attitude, communication techniques and examines the principles of ethical and moral behavior. JROTC also provides an in-depth introduction to drill and ceremonies, describes individual and group precision movements and aids in the development of the command voice. Cadets will learn to understand the importance of keeping physically fit through exercise to reach fitness goals.

JROTC 7 & 8

Credit: 1 credit each semester

Cadets manage the entire corps during their fourth year in the Junior ROTC program. This affords cadets the opportunity to put theories of previous leadership courses into practice. Planning, organizing, coordination, directing, controlling and decision-making will be done by cadets. They will put into practice their decision-making, communication, personal-interaction, managerial and organizational skills. Additionally, cadets learn to understand the importance of keeping physically fit through exercise to reach fitness goals.

Business and Computer Science

Fundamentals of Computing

CTE

Prerequisite: Completion of Algebra I is recommended
Credit: 1 credit

This course is designed to introduce students to the field of computer science through focusing on conceptual ideas of computing. They will study practices of algorithm development, problem solving, programming, interface design, robotics, societal and ethical issues related to the lives of students today. This course fulfills the computer science graduation requirement. (CTE course)

Fundamentals of Web Design & Development

CTE

Credit: 1 credit

This course is designed to provide you with the knowledge and skills needed for entry-level positions in web publishing. HTML code will be taught and used to produce web pages for posting on the Internet. You will use links and tools to navigate, to interact, to create, and to communicate. This course fulfills the computer science graduation requirement. Students who satisfactorily complete this course with an overall grade of 85 are eligible for Technical Advanced Placement credit (TAP) at HGTC, IST 226 Internet Programming. (CTE course)

Game Design and Development

CTE

Grades 10-12
Credit: 1 credit

Game design and development is a course covering major aspects of game design including character and world development, game playing, game genres, some basic coding, and theories and principals of game design. Students will gain hands-on experience in simple game development. Concepts and practices will be explored to help students decide if they are interested in pursuing careers in game programming and/or computer science. This course fulfills the computer science graduation requirement.

Exploring Computer Science

CTE

Credit: 1 Credit

Fundamentals of Computing is designed to introduce students to the field of computer science through an exploration of engaging and accessible topics. Through creativity and innovation, students will use critical thinking and problem-solving skills to implement projects that are relevant to students' lives. They will create a variety of computing artifacts while collaborating in teams. Students will gain a fundamental understanding of the history and operation of computers, programming, and web design. Students will also be introduced to computing careers and will examine societal and ethical issues of computing.

Computer Forensics

CTE

Credit: 1 Credit

Computer Forensics is focused on teaching students how to gather evidence and prevent cybercrime through classes in computer, criminology, law, digital security and investigative techniques. Students will learn to collect, preserve, present, and prepare computer-based evidence for the purposes of criminal law enforcement or civil litigation. Activities will define the central roles of computer forensic practitioner involved in investigating computer crime scenes and torts involving computers. Students will be prepared to assist in the formulation and implementation of organizational computer forensics preparedness policies, to determine the necessity for forensic procedures, extend governance processes to allow for proper future forensic investigations, and to be contributing members of computer forensics investigation teams.

Marketing

CTE

Credit: 1 credit

The course focuses on key marketing concepts, the role of marketing within organizations, and the role of marketing in society. Among topics discussed are the importance of marketing, the interrelationship of the different phases of marketing, the differences between the marketing of goods and services, wholesaling, retailing, pricing strategies, analysis of markets, and distribution. The course will acquaint the student with basic marketing concepts, terminology, and applications. The use of marketing in a variety of industries will be explored. Students who satisfactorily complete this course with an overall grade of 85 are eligible for Technical Advanced placement Credit (TAP) at HGTC, MKT 101-Marketing. (CTE course)

Social Media in Business

CTE

Credit: 1 Credit

This course introduces students to the current field of social media and prepares them to explore anti create successful social media strategies for businesses. It gives students the knowledge, tools, and methods to use different social media tools and networks in a business environment.

Digital Media Marketing

CTE

Credit: 1 Credit

This course examines all aspects of advertising and digital media marketing. Students will creatively plan, design, and develop an advertising campaign for a product or service using real-world applications and considerations. Students will integrate technology commonly used in the advertising industry.

Business and Computer Science Cont…

Entrepreneurship CTE

Credit: 1 credit

This course is designed to provide students with the knowledge and skills leading to the development of a business plan for small business ownership. Students will have the opportunity to listen to guest speakers who currently own a business in areas of interest. Each student is also required to perform a job shadowing experience with a business owner and/or in a career of interest as stated in the student's IGP. This allows students to see the concepts of this course being utilized and provides WBL/hands on experience. Students have the opportunity to participate in a series of business plan competitions as part of their entrepreneurship class curriculum. (CTE course)

Virtual Enterprise 1 & 2 CTE

Prerequisite: Algebra I or equivalent
Grades 10-12
Credit: 2 credits

Virtual Enterprise is an in-school entrepreneurship program and global business simulation that replicates all the functions and demands of real business in both structure and practice. Students will create and manage a virtual business, which will include product development, production and distribution, marketing, sales, human resources, and finance and accounting. Students are assigned to work in different departments, typically either Administration, Accounting/Finance, Sales, Marketing, or Human Resources. Students work in teams and engage in commerce with other virtual firms using e-commerce strategies. The transfer of funds to complete transactions is made electronically through a webbased simulated banking system that links all US firms with each other and with VE firms worldwide. With emphasis on college and career readiness, VE offers students a competitive edge through project-based, collaborative learning and the development of 21st Century skills in entrepreneurship, global awareness, problem-solving, communication, financial literacy, and technology. **VE 2** is a continuation of the skills and concepts learning in VEI, where students will learn about the elements of finance: understanding money, budgeting, obtaining credit, maintaining checking/savings accounts, computing payroll, and analysis of the various types of investment choices. You will use the computer as a tool to manage finances. Students who satisfactorily complete this course with an overall grade of 80 are eligible for Technical Advanced Placement credit (TAP) at HGTC, for BUS 101 Introduction to Business. STUDENTS MUST REGISTER FOR BOTH TERMS. (2 semester course) (CTE course)

Virtual Enterprise 3 Honors & 4 Honors CTE

Prerequisite: Virtual Enterprise 1 & 2
Credit: 2 credits

These courses provide a continuation of the experiences gained in VE 1 & 2. As students progress through the program, they are expected to assume greater roles and responsibilities in their virtual firm. At the honors level, students will be expected to pursue a more in depth study of business related topics. Independent research projects and presentations are incorporated into the curriculum and serve as extensions to the current standards of Virtual Enterprise. MUST REGISTER FOR BOTH TERMS. (2 semester course) (CTE course) (This course can be repeated as space allows, however; only the first credit earned will be counted towards total credits earned).

Agricultural Science

Agricultural Science Technology CTE

Credit: 1 credit

The Agricultural Science and Technology course is designed to teach essential concepts and understanding related to plant and animal life including biotechnology, the conservation of natural resources, and the impact of agriculture and natural resource utilization on the environment. Emphasis is placed on the role of agriculture in our society and the importance of agriculture to the welfare of the world. Basic personal and community leadership and safety, and agricultural mechanical technology are included as a part of the instructional program. Each student is expected to design and participate in a supervised agricultural experience. Typical learning activities include hands-on learning experiences consisting of performing basic principles of plant, soil, and animal sciences; studying and modeling the significance of humankind's interrelationship with soil, water, and air; and participating in FFA (Future Farmers of America) activities. (CTE course)

Environmental and Natural Resources Management CTE

Credit: 1 credit

The Environmental and Natural Resource Management course is designed to be an introductory course for the Environmental and Natural Resources pathway. The course is a combination of subject matter and planned learning experiences on the principles involved in the conservation and/or improvement of natural resources such as air, soil, water, land, forest, and wildlife for economic and recreational purposes. Instruction also emphasizes such factors as the establishment, management, and operation of land for recreational purposes. Typical learning activities including constructing a model watershed; identifying and/or measuring the levels of air, water, noise, and solid waste pollution in a selected site; hands-on experiences with site analysis; evaluation of competing interests; analysis of biological and physical aspects of the environment and environment-related issues including methods of abating and controlling pollution; participating in personal and community leadership development activities; planning and implementing a relevant school-to work transition experience; and

Agricultural Science Cont…

Wildlife Management CTE

Prerequisite: Environmental and Natural Resources Management
Grades: 10-12
Credit: 1 credit

The Wildlife Science course is designed to teach technical knowledge and skills for entry-level positions in the conservation and/or management of wildlife enterprises. Typical instructional activities include hands on experiences with analyzing problems and developing site plans including the essential elements, concepts, and skills related to wildlife management; understanding basic ecological concepts; implementing habitat management practices; identifying wildlife and fish species; analyzing policies, laws and regulations, and using natural resources for outdoor recreation; participation in personal and community leadership development activities and planning and implementing a relevant supervised agricultural experience; and participating in FFA activities. (CTE course)

Outdoor Recreation CTE

Prerequisites: Environmental and Natural Resources Management
Grades: 10-12
Credit: 1 credit

The Outdoor Recreation course is a combination of subject matter and planned learning experiences on the principles involved in outdoor safety, planning outdoor recreational activities, designing parks and special use areas, and outdoor recreational resources on public lands. Instruction also emphasizes such factors as the establishment, management, and operation of land for recreational purposes. Typical learning activities include hunter and boater education; ATV safety; survival and first aid techniques; planning, designing and maintaining an outdoor recreational area; and participating in personal and community leadership development activities; planning and implementing a relevant school-to -work transition experience; and participating in FFA activities. (CTE course)

Introduction to Horticulture CTE

Credit: 1 credit

The Introduction of Horticulture course is designed to be an introduction to the Horticulture pathway. It is recommended as a prerequisite for all other horticulture courses. This course includes organized subject matter and practical experiences related to the culture of plants used principally for ornamental or aesthetic purposes. Instruction emphasizes knowledge and understanding of the importance of establishing, maintaining, and managing ornamental horticulture enterprises. Students will have the opportunity to develop their potential for leadership, personal growth, and career success through FFA. Students who satisfactorily complete this course with an overall grade of 85 are eligible for Technical Advanced Placement credit (TAP) participating in FFA Activities. (CTE course)

Turf & Lawn Management 1 CTE

Prerequisite: Agricultural Science or Biology
Credit: 1 Credit

This course is designed to teach knowledge and skills for entry-level positions in the turf-grass industry. The principles and practices involved in establishing, managing, and maintaining grassed areas for ornamental and recreational purposes are studied. The course offers hands-on experience and studies of turf-grass species, soils science, plant structures, fertilization, greenhouse and horticulture operations, watershed study, forestry study, machinery maintenance and operations.

Sports Turf Management CTE

Prerequisite: Agricultural Science Turf Management 1
Credit: 1 Credit

This course offers hands-on experience for students in the areas of turf painting, design, and layout of sports turf fields in addition to all aspects of professionally maintaining sports fields such as baseball, football, softball, and soccer fields.

Agribusiness & Marketing CTE

Prerequisite: Agricultural Science, Turf Management, and Sports Turf Management
Credit: 1 Credit

The Agricultural Sales and Service course is designed to introduce students to the world of business organization and procedures. Business organization, sales, interpersonal skills, operational procedures, record keeping, design, marketing, and cost analysis of production are specific areas to be covered.

Forestry CTE
Credit: 1 Credit

The Forestry course is designed to teach technical knowledge and skills for entry-level positions in the production, protection, and management of timber and specialty forest resources.

Typical instructional activities include hands-on experiences with assessing environmental factors affecting forest growth; cruising timber; planting trees; managing an established forest; selecting, grading and marketing forest raw materials for converting into a variety of consumer goods; harvesting timber or pulpwood; operating and maintaining equipment; managing forests for multiple purpose uses such as game preserves and recreation; participating in personal and community leadership development activities; planning and implementing a relevant school-to-work transition experience; and participating in FFA activities

at HGTC, TUF 172 Turf Management 1 (CTE course)

Health Science

CTE

Health Science 1

Credit: 1 Credit

Health Science 1 is the first of four courses offered to students interested in pursuing a career in the healthcare field. During this first course students are introduced to healthcare history, careers, law and ethics, cultural diversity, healthcare language and math, infection control, professionalism, communication, basics of the organization of healthcare facilities, and types of healthcare insurance. Students get a good grasp of where healthcare has been, where it's going and how professionalism and personal characteristics impact their success. Students will be introduced to "Standard Precautions" and learn about confidentiality through HIPPA. As students are guided through healthcare career exploration, they will discuss education levels, and requirements needed to be successful. Students will participate in a career project and will hear from guest speakers in the healthcare field. Students will learn first-aid procedures and learn fire safety.

Health Science 2 – Senior Year

CTE

Prerequisite: Health Science 1, Medical Terminology, Health Science 3 or both
Credit: 1 Credit

Health Science 2 applies the knowledge and skills that were learned in Health Science 1 while further challenging the students to learn more about the healthcare field. Health Science 2 will continue teaching in more detail, the units of study that include advanced study of infection control. They will learn about "Transmission Based Precautions" and become more familiar with OSHA, HIPAA, and the CDC. Students in Health Science 2 will learn how to take vital signs, record them and learn what the data means. Students will learn how law and ethics are applied in the healthcare setting**.**

Health Science 3

CTE

Prerequisite: Health Science 1
Credit: 1 Credit

Health Science 3 acquaints students with basic anatomy and physiology of the human body. Students learn how the human body is structured and the function of each of the 12 body systems. Students will study the relationship that body systems have with disease from the healthcare point of view. This is a very "hands on" course and students will learn through projects and activities in the classroom. Skill procedures and foundation standards are reviewed and integrated throughout the program. Job shadowing is encouraged. This course does not count as a lab science.

Medical Terminology

CTE

Prerequisite: Health Science 1
Credit: 1 Credit

Medical terminology is designed to develop a working knowledge of the language of health professions. Students acquire word-building skills by learning prefixes, suffixes, roots, combining forms, and abbreviations. Utilizing a body systems approach, students will define, interpret, and pronounce medical terms relating to structure and function, pathology, diagnosis, clinical procedures, and pharmacology. Students will use problem-solving techniques to assist in developing an understanding of course concepts.

Project Lead The Way (PLTW) Biomedical Program

Principles of Biomedical Science (PBS)

PLTW CTE

Prerequisite: Biology
Credit: 1 credit
Level: Honors

This introductory course of the PLTW Biomedical Science program, students explore concepts of biology and medicine to determine factors that led to the death of a fictional person. While investigating the case, students examine autopsy reports, investigate medical history, and explore medical treatments that might have prolonged the person's life. The activities and projects introduce students to human physiology, basic biology, medicine, and research processes while allowing them to design their own experiments to solve problems. (CTE course)

Human Body Systems (HBS)

PLTW CTE

Prerequisite: Principles of Biomedical Science
Credit: 1 credit
Level: Honors

Students examine the interactions of human body systems as they explore identity, power, movement, protection, and homeostasis in the body. Exploring science in action, students build organs and tissues on a skeletal Manikin; use data acquisition software to monitor body functions such as muscle movement, reflex and voluntary action, and respiration; and take on the roles of biomedical professionals to solve real-world medical cases. (CTE course)

Project Lead The Way (PLTW) Biomedical Program Cont…

Medical Interventions (MI)

Prerequisite: Human Body Systems
Credit: 1 credit
Level: Honors

Students follow the life of a fictitious family as they investigate how to prevent, diagnose, and treat disease. Students explore how to detect and fight infection; screen and evaluate the code in human DNA; evaluate cancer treatment options, and prevail when the organs of the body begin to fail. Through real world cases, students are exposed to a range of interventions related to immunology, surgery, genetics, pharmacology, medical devices, and diagnostics. (CTE course)

Biomedical Innovation (BI)

Prerequisite: Medical Interventions
Credit: 1 Credit
Level: Honors

In the final course of the PLTW Biomedical Science sequence, students build on the knowledge and skills gained from previous courses to design innovative solutions for the most pressing health challenges of the 21st century. Students address topics ranging from public health and biomedical engineering to clinical medicine and physiology. They have the opportunity to work on an independent project with a mentor or advisor from a university, medical facility, or research institution. (CTE course)

Project Lead The Way (PLTW) Engineering Program

Introduction to Engineering Design (IED)
Prerequisite: Algebra 1
Credit: 1 credit
Level: Honors

Students dig deep into the engineering design process, applying math, science, and engineering standards to hands-on projects. They work both individually and in teams to design solutions to a variety of problems using 3D modeling software, and use an engineering notebook to document their work. (CTE course)

Principles of Engineering (POE)

Prerequisite: Intro to Engineering Design and Geometry. Students should be enrolled in Algebra II or beyond or teacher recommendation
Credit: 1 credit
Level: Honors

Through problems that engage and challenge, students explore a broad range of engineering topics, including mechanisms, the strength of structures and materials, and automation. Students develop skills in problem solving, research, and design while learning strategies for design process documentation, collaboration, and presentation. This course fulfills the computer science graduation requirement. Students who satisfactorily complete this course with overall grade of 80 and a 70 on the PLTW exam are eligible for Technical Advanced Placement credit (TAP) at HGTC, EET 113 Electrical Circuits 1 (CTE course)

Civil Engineering and Architecture (CEA)

Prerequisite: Principles of Engineering
Credit: 1 credit
Level: Honors

Students learn important aspects of building and site design and development. They apply math, science, and standard engineering practices to design both residential and commercial projects and document their work using 3-D architectural design software. (CTE course)

Engineering Essentials

Credit: 1 credit

A NEW experience in PLTW Engineering, Engineering Essentials offers a multidisciplinary approach to teaching and learning foundational concepts of engineering practice, providing students opportunities to explore the breadth of engineering career opportunities and experiences and solve engaging and challenging real-world problems. By inspiring and empowering students with an understanding of engineering and career opportunities, Engineering Essentials broadens participation in engineering education and the engineering profession.