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Planning Your Education

Your school provides this course curriculum guide as a means of assisting students and parents in planning their high school course of study. Consideration should be given to planning the entire four year program with specific outcomes in mind. Is the student planning on attending a two or four-year college? Is the student planning to enter the military or the work force upon graduation? The successful student will plan based on goals that he and his parents establish upon completion of high school. Therefore, students are encouraged to carefully select courses during the registration process. Your school's guidance counselors and teachers stand ready to assist them. Parents are invited and encouraged to actively participate by assisting their student.

Classes are scheduled based upon student requests. However, due to schedule conflicts and changes in course offerings, the staff cannot guarantee that students will be scheduled for all courses they request. Therefore, it is very important that students list alternatives in case of class conflicts. In addition, be aware that the school builds a master schedule and employs teachers based on students' requests; therefore, schedule changes after the deadline will only be considered on a very limited basis. Students should see their guidance counselor for a list of the schedule change requests that will be honored and the deadline by which these requests must be submitted.

Online Registration

Online Registration was implemented in 2004. It allows parents and students to request related arts courses for the next school year from home via the Internet. Families who do not have access to the Internet will be given opportunities to use school computers to register online. Parents and students should understand that requesting a related arts course through online registration does not guarantee that the student is placed in the course the next school year. Final placement in a course is dependent upon enrollment, scheduling feasibility, and teacher allocation. Parents without Internet access at home will receive a printed copy of the course curriculum guide by request. The window for students to select related arts courses online is posted by the school on the school's website and in parent newsletters. Schools will provide instructions on accessing the online registration tool.

State Diploma Requirements

English – 4 Units
Math – 4 Units
Science – 3 Units
US History – 1 Unit
Economics – ½ Unit
Government – ½ Unit
Other Social Studies – 1 Unit
Physical Education or ROTC – 1 Unit
Computer Science – 1 Unit
Foreign Language or Occupational Specialty – 1 Unit
Electives – 7 Units

Unit Requirements for Grade Advancement

24 Units of Credit are required to obtain a SC High School Diploma.

Grade 9

Successful completion of eighth grade

Grade 10

5 units (must include one unit of English, one unit of mathematics and three other units)

Grade 11

11 units (must include two units of English, two units of mathematics, one science, and six other units)

Grade 12

17 units (must include three units of English, three units of mathematics, two units of science, and nine other units)

IGPs, Career Clusters and Personal Pathways to Success

The South Carolina Education and Economic Development Act (EEDA) requires school districts to develop a curriculum organized around the career cluster system—16 career clusters, schools of study, and majors. In the organization of the district curriculum around the career cluster system, Greenville County Schools divided the 16 career clusters into six schools of study. These six schools of study include School of Arts, Communication and Information Technology; Business, Marketing and Management; Environmental and Agricultural Systems; Health Science; Human Resources and Services; and Industrial Manufacturing and Engineering Systems. Under each school of study a student will find related career clusters. The career clusters are then broken down into academic focus areas (majors) that students may choose based on interests and skills.

Personal Pathways to Success is the name given to this reorganization of the curriculum which is designed to help students take control of planning for their futures. Personal Pathways to Success provides the solid mix of academic and technical skills students need to compete in the global economy. It gives students a reason to achieve in school by connecting success in school with success in life. It maintains South Carolina's core academic requirements while opening up pathways to success for students no matter where they lead – to two-year colleges, four-year colleges or universities, the military, or directly into the workforce. Students, parents, and counselors work together to develop Individual Graduation Plans (IGP) that specify a student's cluster, academic focus (major), post-secondary goals, planned high school activities, and planned out-of-class activities. The Individual Graduation Plan (IGP) is a document that states the student's intentions related to courses that are taken during high school. **The IGP is initiated in the 8th grade with the choice of a cluster area. When the IGP is updated in the 10th grade, the student will select an academic focus (major) within their cluster of choice.** Students will utilize Naviance, a comprehensive college and career readiness tool, to help them align their strengths and interests to their career goals. The courses that are taken are determined by the student's interests. It can be modified over time as interests and skills develop or change. The IGP is like a road map to the future: if the student stays on course, the student will reach the destination – graduation – with all the courses, skills and experience needed to take his education or career to the next level. Each year the student, parents/guardians, and counselors will review and update the plans for the coming year. Switching clusters or majors is okay -- as the high school years progress and the student learns more about his interests and skills there are bound to be changes in choice of coursework.

Uniform Grading Scale

The following conversion table will be used to determine GPR and rank in class.

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

College Admission Requirements

Usually college admissions requirements are far beyond the minimum requirements for high school graduation. Students who plan to attend college should consult catalogs of colleges to assure that they are choosing the right courses. Colleges also look at the GPA and class rank as well as College Entrance Exam scores such as the SAT or ACT for admission.

Guidelines for Courses

State Dept. of Education regulations and Greenville County Schools Board of Trustee policies/rules that relate to high school course offerings offer the following guidance:

- Per State Uniform Grading Policy "Students in grades nine through twelve may retake a course at the same level of difficulty if they have earned a D or an F in that course. ... Retaking the course means that the student completes the entire course again (not a subset of the course such as through credit or content recovery). If the course being retaken has an EOCEP, the EOCEP must be retaken. The student's transcript will reflect both course instances. Only one course attempt and the highest grade earned for the course will be calculated in the GPA.

A student who has taken a course for a unit of high school credit prior to his or her ninth grade year may retake that course regardless of the grade he or she has earned. A student who retakes a high school credit course from middle school must complete it before the beginning of the

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
0-50	F	0.000	0.000	0.000

*Credit for a course will be awarded for a grade of 60 or above. A score of 59 or below will result in no credit for that course.

Grade point ratios will be figured uniformly in all schools using the following formula. The formula will yield each student's GPR which can then be ranked from highest to lowest rank in class. Computations will not be rounded to a higher number. All diploma candidates are included in the ranking.

$$\text{GPR} = \frac{\text{sum}([\text{quality points}] \times [\text{units}])}{\text{sum of units attempted}}$$

second year of high school. A student in grades nine through twelve, must retake a course by the end of the next school year or before the next sequential course (whichever comes first). In such a case, only the highest grade will be used in figuring the student's GPA. The student may not retake the course if the course being replaced has been used as a prerequisite for enrollment in a subsequent course; i.e., a student may not retake Algebra 1 after having earned credit for a higher level mathematics course (Geometry, Algebra 2)."

- Courses that include students who are part of a team, club, or organization must be open to all other students who meet the prerequisites and who want to benefit from the content and skills taught.
- Carnegie units are not to be awarded for extracurricular activities or preparation for interscholastic competition such as band competition practice, football practice, cheerleading practice, dance team rehearsals, forensic tournament rehearsal or student council activity.
- Students are not allowed to earn a Carnegie unit for being a teacher's aide with the exception of the science lab assistant and the media center specialist's assistant.
- Schools offering courses in Service Learning and/or other work-based, credit-bearing instructional experiences such as Internship or Cooperatives are to abide by all rules governing those experiences and courses. Students must attend class a minimum of one day per week if they are engaged in their work-based projects outside the school. Insurance forms, attendance logs, and performance evaluation documentation must be on file at the school. Teachers of these courses are required to make site visits and to keep appropriate documentation on each student.
- An honors course must have a published syllabus that verifies rigor that is sufficiently beyond the college prep requirements.
- Honors-level texts and other course materials must be differentiated and more rigorous than those used in the college prep courses.
- **Teacher recommendation** means that a teacher recommends a course as a future path for that student. The appropriate content-area teacher is designated in the prerequisite.
- **Instructor approval** means that the teacher who is actually teaching the course must approve of that student's placement in the course.
- Specific instances demanding an exception to the grade level requirement for a course must be addressed by the appropriate District level Academic Specialist.
- Students and parents who disagree with a recommendation made by a teacher may choose to complete a "Parent Override Request" and set up a conference with the teacher who made the placement. The form is available through the guidance office at the school.
- Students may apply to audit a class. Please note that if a course is audited that the class cannot be retaken for credit. Students may pick up the application and receive more information from their guidance counselor.
- Curriculum Guide Key:
 - ◊ AP – Advanced Placement Level Course
 - ◊ IB – International Baccalaureate Course
 - ◊ CP – College Preparatory Course
 - ◊ H – Honors Level Course
 - ◊ EW – Dual Credit

Early Dismissal Guidelines

In accordance with

Section I - Instructional Program

Title: Instructional Arrangements: Scheduling for Instruction

Code :IED

Status: Active

Adopted; June 8, 2004

Last Revised: October 24, 2018

A senior may apply for a flexible schedule (late arrival or early dismissal), if all the following criteria are met:

- The student attends school a minimum of one-half day (4 traditional classes or two block classes);
- The student is on track to graduate;
- The student's principal and parent(s) determine that a flexible schedule is in the best interest of the student's academic success.

The superintendent may waive this policy in exceptional situations. He/she shall promulgate a rule setting forth situations in which such a waiver would be appropriate and specifying the procedure for obtaining a waiver.

Career Center Program

Greenville County Schools has four career centers which provide the students an opportunity to study and prepare for the career of their choice. Students attend the career center for either a one-year or two-year program in the field of their choice. Programs include, but are not limited to, automotive technology, web design, early childhood education, culinary arts, welding, automotive collision repair, carpentry/building construction, marketing, criminal justice, HVAC, fire management, cosmetology, machine tool and mechatronics. Students attend the career center for either three hours in the morning or three hours in the afternoon after receiving their core academic courses at the home-based high school. Students are also provided the opportunity to gain practical work experience while at the career center through various work-based experiences, including but not limited to, co-operative education, internships, and youth apprenticeships. The faculty at the career center is made up of individuals who have extensive work experience in the field they teach, as well as teaching experience. Many of these programs provide industry certifications as well as dual credit opportunities. In dual credit courses, students receive both high school credit and college credit from Greenville Technical College. For more information on courses available at a particular career center, students can check the website of the career center or call the career center.

Donaldson Career Center: <http://www.greenville.k12.sc.us/donaldsn/>

Enoree Career Center: <http://www.greenville.k12.sc.us/enoree/index.asp>

Golden Strip Career Center: <http://www.greenville.k12.sc.us/gstripcc/>

J. Harley Bonds Career Center: <http://www.greenville.k12.sc.us/bonds/>

Registering for a Career Center Course

All students who wish to register for a Career Center program are to contact either their school's counselor or a counselor at the Career Center to receive instructions on completing the application process.

Fine Arts Center Program

The Fine Arts Center of Greenville County, the first specialized arts school in South Carolina, was established in August of 1974. The Center serves students from 14 district schools, from private, charter and homes schools, and students from outside Greenville County who pay a yearly tuition to attend. The purpose of the Fine Arts Center is to provide advanced comprehensive arts instruction to students who are artistically talented and who wish to take an intensive pre-professional program of study. Students who apply to the Fine Arts Center are selected on the basis of talent, motivation and commitment to their discipline, as indicated by academic records, a teacher recommendation and an audition/interview. Students who are interested in applying should contact either their school's counselor or the Fine Arts Center counselor to receive instructions on completing the application process. Students attend the Fine Arts Center five days a week in the morning or afternoon for 110 minutes of instruction, spending the remainder of their time in academic studies at the home high school. Curricula are rigorous and fast-paced and most are equivalent to college level courses. The faculty are highly trained and widely experienced. The students are studying with active and successful artists. Each year approximately 400 students attend the Fine Arts Center, and of that number, many go on to receive local, state and national honors, awards, and scholarships. <http://www.fineartscenter.net/>

Letter from the Principal

Dear Students:

J. L. Mann High School, Academy for Mathematics, Science, and Technology has a rich tradition of serving our community. Now it is your turn, and our school can be what you make of it. The opportunities are here for you to earn the quality education that you deserve.

In today's world, and more importantly tomorrow's world, you will need to demonstrate competency in Math, Science and Technology to compete for the high paying jobs that require these skills. It is our commitment to you to provide the structure, support, and guidance you need to be successful, but it is your responsibility to take advantage of the opportunities that are there for the taking. I encourage you to "seize the day" and make the most of the curriculum available to you at J. L. Mann. Choose your courses carefully and with the mindset that you want to challenge yourself to your full potential. In doing so, you are preparing yourself for the future and you are demonstrating to the world the definition of a true "Patriot."

Dr. Shannon Gibson
Principal

Important Dates

December, 2022 - Teachers make course recommendations for students in the scheduling system.

Virtual/Available on School Website - Curriculum and Information Night at J. L. Mann High school. Parents may speak with teachers and counselors about courses (virtual/teachers available via email and phone).

January - April, 2023 - Guidance counselors will meet with students to make individual course requests.

April 21, 2023 - Deadline for any requests for changes to course requests and/or parent overrides to recommendations.

June 2023 - Student schedules finalized for 2023-2024.

Schedule Changes

In order to build a master schedule that best meets the needs of students, the quantity and scheduling of specific courses must be based on student course requests. Changes to student schedules following the completion of the master schedule negatively impacts class size. Students should choose courses carefully during the registration process since in most cases requests for schedule changes will not be honored after **April 21, 2023**.

Parental Override Requests: Teachers recommend students for core courses based on a variety of indicators. If a parent disagrees with a recommendation, then they should contact that teacher. If a parent wishes to request an override of the teacher's recommendation then the parent must sign a parental override form. A student who later experiences academic difficulty due to a parental override will not be eligible for a schedule change. All parental override requests must ultimately be approved by the principal. A parental override request does not guarantee a student's placement into the requested course. All parental override requests must be received by **April 21, 2023**.

Misplacement: If a student is determined to be misplaced due to a teacher recommendation, then their schedule may be adjusted after the start of the course following a parent/teacher conference. These adjustments should occur within the first grading period.

Schedule Change Requests: Every effort should be made to ensure that students request appropriate classes during the registration process. Students will meet with their guidance counselors to review graduation requirements and individual course of studies. Requests for course changes will be considered after **April 21, 2023** only in the event of extenuating circumstances. The administration will review such requests on an individual basis and base all decisions per the Greenville County Schools policy manual. A Schedule Change Request form is available in the guidance department and must be completed before any schedule change will be considered.

Open Periods

All 9th-11th graders must be scheduled in classes for all seven periods. Students who are classified as a senior may choose to have open periods for up three periods each day. Students should sign up for either morning or afternoon open period(s). While every effort will be made to provide the open period of choice, a student's schedule will first be determined by the availability and placement of required classes within the school's master schedule. To be eligible for an open period(s), students must meet all of the following criteria:

- Student is classified as a senior
- Student is enrolled in the courses needed to complete the requirements of the SC High School Diploma
- Student is scheduled for a minimum of four class periods per day
- Student's parent/guardian petitions the school by completing the Early Dismissal Request Form
- Student has available transportation to arrive at school on time or leave immediately following their final class of the day

No open periods will be provided in the middle of the school day, and students may not be on campus during their assigned open periods without administrative authorization.

Students must complete the Early Dismissal Request form and submit it during the registration process. Failure to do will result in the denial of an early dismissal and the student will be registered for alternate classes.

Magnet Program Requirements

Any student at J.L. Mann Academy (not just students who enroll at Mann through the magnet application process) may choose to follow the track that leads to a diploma with magnet distinction. Recognition and a special medal to wear at graduation await those students who successfully complete the requirements of the four-year program. Students must meet yearly requirements in one of three pathways (Technology, Mathematics, or Science) in order to maintain their magnet status. All inquiries regarding the magnet program should be directed to the program coordinator.

Course Descriptions

English

Title: English 1 CP

Course Number: 302401CW

Unit Credit: 1

Grade Level: 9 - 12

English 1 is designed to prepare students for College and Career readiness as required by the South Carolina State Standards and the End of Course exam. The curriculum exposes students to a variety of genres, both literary and informational. Note: this course carries CP GPA weighting. Placement Recommendation: 8th grade MAP RIT scores in reading less than 244

Title: English 1 Hon

Course Number: 302403HW

Unit Credit: 1

Grade Level: 8 - 12

English 1 Honors is a course for academically gifted students who have the ability to pursue an accelerated English program. These students may be preparing for Advanced Placement English - college level courses - in high school; therefore, the coursework will reflect more rigor than English I CP. Note: This course carries Honors GPA weighting. Prerequisites: High level of performance in reading and writing skills, ability to think critically and demonstrated enthusiasm for language arts, and/or teacher recommendation. All GTA identified students should enroll in the GT or Honors level course

Title: English 2 CP

Course Number: 302501CW

Unit Credit: 1

Grade Level: 9 - 12

English 2 introduces literary and informational texts that create awareness and appreciation of cultural diversity. The course is designed to prepare students for the rigor of the South Carolina State Standards for College and Career Readiness. Note: this course carries CP GPA weighting. PREREQUISITE: Completion of English 1

Title: English 2 Hon

Course Number: 302503HW

Unit Credit: 1

Grade Level: 9 - 12

English 2 Honors introduces students to a survey of World Literature, ancient to modern. The course is designed to prepare students for the rigor of the South Carolina State Standards for College and Career Readiness. Note: this course carries Honors GPA weighting. PREREQUISITE: Earned 80 or above in English 1 Honors or a strong A(95 or above) in English 1 CP; High level of performance in reading and writing skills; Ability to think critically and demonstrated enthusiasm for language arts; Teacher recommendation

Title: English 3 CP

Course Number: 302601CW

Unit Credit: 1

Grade Level: 9 - 12

English 3 introduces literary and informational texts reflecting a broad range of writing by American authors. The course is designed to prepare students for the rigor of the South Carolina State Standards for College and Career Readiness. Note: this course carries CP GPA weighting. Placement recommendation: Completion of English 1 and 2 CP

Title: English 3 Hon

Course Number: 302603HW

Unit Credit: 1

Grade Level: 9 - 12

English 3 Honors is an in-depth study of United States literature and literary nonfiction, especially foundational works and documents from the 17th century through the early 20th century. The course is designed to prepare students for the rigor of the South Carolina State Standards for College and Career Readiness. Note: this course carries Honors GPA weighting. Placement recommendations: Earned 80 or above in English 1 Honors and English 2 Honors; High level of performance in reading and writing skills; Ability to think critically and demonstrated enthusiasm for language arts; Teacher recommendation

Title: English 4 CP

Course Number: 302701CW

Unit Credit: 1

Grade Level: 9 - 12

English 4 introduces literary and informational texts reflecting a broad range of writing by authors outside the United States. The course is designed to prepare students for the rigor of the South Carolina State Standards for College and Career Readiness. Note: this course carries CP GPA weighting. Placement recommendation: Completion of English 3 CP

Title: English 4 Hon

Course Number: 302703HW

Unit Credit: 1

Grade Level: 9 - 12

English 4 Honors is a survey course of British Literature from the Anglo-Saxon period through modern times. The course is designed to prepare students for the rigor of the South Carolina State Standards for College and Career Readiness. Note: this course carries Honors GPA weighting. Placement recommendations: Earning 80 or above in English 3 Honors; High level of performance in reading and writing skills; Ability to think critically and demonstrated enthusiasm for language arts; Teacher recommendation

Title: Creative Writing

Course Number: 303201CW

Unit Credit: 1

Grade Level: 9 - 12

This elective course, designed for students interested in written and multimedia expression, includes a study of the various forms of poetry, fiction, nonfiction, and multimedia technology. Students will create portfolios of their own creative writing and experiment with various forms of expression. The course may culminate in the publication of a school-wide literary magazine. This course does not take the place of any required English course. PREREQUISITE: None

Title: Speech

Course Number: 304001CW

Unit Credit: 1

Grade Level: 9 - 12

This elective course is for students who are interested in improving their interpersonal communication skills and who wish to increase their confidence in delivering oral presentations. The course includes instruction in one-on-one communication, group discussion, oral presentation, topic selection, audience analysis, research and composition skills, and presentation techniques. This course does not take the place of any required English course.

Title: Speech

Course Number: 304080CH

Unit Credit: 0.5

Grade Level: 9 - 12

This elective course is for students who are interested in improving their interpersonal communication skills and who wish to increase their confidence in delivering oral presentations. The course includes instruction in one-on-one communication, group discussion, oral presentation, topic selection, audience analysis, research and composition skills, and presentation techniques. This course does not take the place of any required English course.

Title: AP Eng Lit/Comp

Course Number: 307005AW

Unit Credit: 1

Grade Level: 9 - 12

This college-level course is an in-depth study of various modes and genres in literature. Writing to the literature is a major emphasis with a focus on exposition, argumentation, and critical analysis. The literature studied involves close reading of literary works. All students enrolled must take the Advanced Placement English Literature and Composition Exam in May. Note: This course carries AP/IB GPA weighting. PREREQUISITE: Successful completion of at least two honors level English courses prior to attempting an AP course; Demonstrated ability to think critically ; Teacher recommendation; Commitment to the Advanced Placement workload and examination

Title: AP Eng Lang/Comp

Course Number: 307105AW

Unit Credit: 1

Grade Level: 9 - 12

This is a college-level course for those students who are highly competent in verbal skills. Language and composition will be explored in-depth through a close reading of nonfiction texts and essays. Writing tasks include analytical and critical essays as well as various other types of composition. Particular attention is given to rhetorical analysis and persuasive techniques. All students enrolled in this course must take the Advanced Placement English Language and Composition Exam in May. Note: This course carries AP/IB GPA weighting. PREREQUISITE: Successful completion of at least two honors level English courses prior to attempting an AP course; Demonstrated ability to think critically; Teacher recommendation; Commitment to the Advanced Placement workload and examination

Title: African-American Literature

Course Number: 309900CW

Unit Credit: 1

Grade Level: 10 - 12

This course offers an opportunity to study a specialized field of literature and to learn more about African American culture. The course focuses on the contributions of African American writers to American literature; historical and cultural concerns are addressed through the literature by using novels, sermons, music, short stories, poems, plays, essays, critical studies, and films. This course aims to give students a cultural experience in learning about the diverse diaspora that exists in the African-American community.

Title: Broadcast Journalism 1

Course Number: 309937CW

Unit Credit: 1

Grade Level: 9 - 12

In this elective course, students study journalism in a television broadcast setting. Study includes review of principles of journalism, writing, camera technique, research and interviewing, culminating in regular production of actual programming for in-school television and community viewing. This course does not take the place of any required English course. PREREQUISITE: Instructor approval required

Title: Broadcast Journalism 2

Course Number: 309949CW

Unit Credit: 1

Grade Level: 9 - 12

In this continuation of Broadcast Journalism 1, students employ basic principles of journalism and television technology to write and produce more advanced programming for in-school as well as community viewing. Study for this course will include an introduction to in-depth reporting and greater exposure to professionals and professional sites in the broadcast field. This course does not take the place of any required English course. PREREQUISITE: Instructor approval required

Title: Film Criticism

Course Number: 309977CW

Unit Credit: 1

Grade Level: 9 - 12

This elective course will expose students to film and cinematography. Students will become active, critical viewers of various film genre by discussing and critiquing acting, directing and production techniques. Students will be required to write various compositions related to the films. This course does not take the place of any required English course.

Title: Creative Writing 2

Course Number: 3099A0CW

Unit Credit: 1

Grade Level: 9 - 12

This elective course, designed for students interested in written and multimedia expression includes a study of the various forms of poetry, fiction, nonfiction, and multimedia technology. Students will create portfolios of their own creative writing and experiment with various forms of expression. The course will culminate in the publication of a school-wide literary magazine, which may be in print or digital format. This course does not take the place of any required English course. PREREQUISITE: Creative Writing or Instructor recommendation

Title: Yearbook Production (H)

Course Number: 376900HW

Unit Credit: 1

Grade Level: 9 - 12

Advanced Yearbook Production. This is an elective course for students who have completed Journalism 2 Yearbook and who show outstanding skills in writing, design, or photography. The program includes staff organization, ad sales, and business management, feature writing, layout and design, photography, and the publication process. Students will refine skills as they produce a school yearbook. This course does not take the place of any required English course. PREREQUISITE: Journalism 2 Yearbook and Instructor approval

Title: Yearbook Production 3 (H)

Course Number: 379905HW

Unit Credit: 1

Grade Level: 12

This is an elective course for students who have completed Yearbook Production 2 (H), who show skills in writing, design, or photography and plan to take an administrative/mentoring role on the production. The course includes staff organization, ad sales, and business management, feature writing, layout and design, photography, and the publication process. Students will help others refine skills as they produce a school yearbook. This course does not take the place of any required English course. PREREQUISITE: Yearbook Production 2 (H) and Instructor approval

Title: Yearbook Management 3 (H)

Course Number: 379906HW

Unit Credit: 1

Grade Level: 12

This elective course is for students who have mastered the skills taught in Yearbook Management 2 (H). Students taking this course will serve on the editorial staff of the yearbook and be responsible for making management decisions regarding finances, page design, and personnel assignments. This course does not take the place of any required English course. PREREQUISITE: Yearbook Management 2 (H) and Instructor approval.

Title: Yearbook Production 2 (H)

Course Number: 379915HW

Unit Credit: 1

Grade Level: 9 - 12

This is an elective course for students who have completed Yearbook Production, who show skills in writing, design, or photography and plan to take an administrative/mentoring role on the production. The course includes staff organization, ad sales, and business management, feature writing, layout and design, photography, and the publication process. Students will help others refine skills as they produce a school yearbook. This course does not take the place of any required English course. PREREQUISITE: Yearbook Production and Instructor approval

Title: Yearbook Management (H)

Course Number: 3799A9HW

Unit Credit: 1

Grade Level: 9 - 12

This elective course is for students who have mastered the skills taught in Yearbook Production. The program includes experiences in soliciting and designing advertisements to underwrite the production costs of publishing the yearbook, as well as management of yearbook sales. The focus of the course is to offer students exposure to the professional media by an advanced analysis of current trends in professional advertising, public relations and financial management. This course does not take the place of any required English course. PREREQUISITE: Yearbook Production and Instructor approval.

Title: Yearbook Management 2 (H)

Course Number: 3799B1HW

Unit Credit: 1

Grade Level: 9 - 12

This elective course is for students who have mastered the skills taught in Yearbook Management. Students taking this course will serve on the editorial staff of the yearbook and be responsible for making management decisions regarding finances, page design, and personnel assignments. This course does not take the place of any required English course. PREREQUISITE: Yearbook Management and Instructor approval.

Math

Title: Math Strategies

Course Number: 319965CW

Unit Credit: 1

Grade Level: 9 - 12

This elective course is designed to provide additional support to students in their efforts to meet the standards of more rigorous and relevant mathematics courses. The course should be taught concurrently with a student's regular math class, giving extra time and utilizing a variety of strategies to help students build a stronger foundation for success in their current and future mathematics courses.

Title: Algebra 3 CP

Course Number: 411305CW

Unit Credit: 1

Grade Level: 9 - 12

Algebra 3 focuses on the development of the student's ability to understand and apply the study of functions and advanced mathematics concepts to solve problems. The course will include a study of polynomial, rational, exponential, logarithmic, and trigonometric functions. Emphasis is on active participation through modeling, technology lab activities, group activities, and communication in mathematics. This course is designed for students who have taken Algebra 2 but who do not have a strong enough background to go directly into Precalculus CP. It is a bridge between Algebra 2 and Precalculus CP, including some of the culminating topics of Algebra 2 and some of the introductory topics of Precalculus CP. The course will be taught through the use of best practices and research-proven instructional strategies. The SCCR mathematical process standards apply throughout the course. PREREQUISITE: Algebra 2 CP and Math teacher recommendation

Title: Algebra 1 CP

Course Number: 411400CW

Unit Credit: 1

Grade Level: 7 - 12

In Algebra 1 students develop fluency creating, interpreting, and translating between various forms of linear, quadratic, and exponential equations and functions. They will interpret functions graphically, numerically, symbolically, and verbally and use them to model real-world phenomenon. The SCCR mathematical process standards apply throughout the course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful and logical subject. PREREQUISITE: Math 8, Math Teacher Recommendation

Title: Algebra 1 Hon

Course Number: 411402HW

Unit Credit: 1

Grade Level: 7 - 12

Algebra 1 Honors students will study all of the topics included in CP Algebra 1. They will also study additional topics including step functions, transformations of absolute value functions, factoring quartic expressions in quadratic form, translating a quadratic function into vertex form, and sequences as functions. The SCCCR mathematical process standards apply throughout the course and, along with content standards prescribe that students experience math as a coherent, useful, and logical subject. PREREQUISITE: Math 6/7/8, or Math 7/8, or Math 8; District Criteria; Math Teacher Recommendation

Title: Algebra 2 CP

Course Number: 411500CW

Unit Credit: 1

Grade Level: 9 - 12

In Algebra 2 students extend their repertoire of functions to include polynomial, rational, and radical functions. Students expand their abilities to model real-world situations, including solving quadratic equations involving complex numbers and solving exponential equations by using logarithms. The Mathematical Practice Standards apply throughout the course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful and logical subject. PREREQUISITE: Alg 1 or Alg 1 A and Alg 1 B; Geometry; Math Teacher Recommendation

Title: Algebra 2 Hon

Course Number: 411502HW

Unit Credit: 1

Grade Level: 9 - 12

Algebra 2 Honors students study all topics included Algebra 2 CP. They also study additional topics including the Binomial Theorem, operations with complex numbers, graphs of rational functions, solutions of logarithmic equations, synthetic division of polynomials, function composition and inverses. The SCCCR mathematical process standards apply throughout the course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject. PREREQUISITE: Alg 1, Geometry; Math Teacher Recommendation

Title: Geometry CP

Course Number: 412200CW

Unit Credit: 1

Grade Level: 8 - 12

Geometry students study congruence and similarity through analyses of transformations and formal constructions. They also study the properties of triangles and quadrilaterals, the Pythagorean Theorem, special right triangles, and right-triangle trigonometry. Additional topics include circles, coordinate geometry, and area and volume of 2-and 3-dimensional shapes. Students develop formal proofs using a variety of formats. The SCCCR mathematical process standards apply throughout the course. PREREQUISITE: Algebra 1; Math Teacher Recommendation

Title: Geometry Hon

Course Number: 412202HW

Unit Credit: 1

Grade Level: 8 - 12

Geometry Honors students study all of the topics included in CP Geometry. Honors students will study additional topics including truth tables, triangle centers, Euler's line, Law of Sines, Law of Cosines, and Cavalieri's Principle. The SCCCR mathematical process standards apply throughout the course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations. PREREQUISITE: Algebra 1; District Criteria; Math Teacher Recommendation

Title: Pre-Calculus H

Course Number: 413103HW

Unit Credit: 1

Grade Level: 9 - 12

This honors-level course is a program of mathematical studies focusing on the development of the student's ability to understand and apply the study of functions and advanced mathematics concepts to solve problems. The course will include a study of polynomial, rational, exponential, logarithmic, and trigonometric functions. Emphasis is placed on active participation through modeling, technology lab activities, group activities, and communication in mathematics. Students are expected to use technology, including graphing calculators, computers, and data-gathering equipment throughout the course. Students will be required to work with more intensity, at a deeper level, and produce a wider range of more complex and difficult material. The SCCCR mathematical process standards apply throughout the course. PREREQUISITE: Geometry Honors and Algebra 2 Honors or Geometry CP and Algebra 2 CP with Math teacher recommendation

Title: Precalculus CP

Course Number: 413105CW

Unit Credit: 1

Grade Level: 9 - 12

This course is a program of mathematical studies focusing on the development of the student's ability to understand and apply the study of functions and advanced mathematics concepts to solve problems. The course will include a study of polynomial, rational, exponential, logarithmic, and trigonometric functions. Emphasis is placed on active participation through modeling, technology lab activities, group activities, and communication in mathematics. Students are expected to use technology, including graphing calculators, computers, and data-gathering equipment throughout the course. The SCCCR mathematical process standards apply throughout the course.

PREREQUISITE: Geometry CP, Algebra 2 CP, and Math teacher recommendation

Title: Calculus H

Course Number: 413515HW

Unit Credit: 1

Grade Level: 9 - 12

Calculus involves the continued study of functions, rates, and accumulation. Students will study limits, derivatives, integrals, and their applications. This course will be a more extensive study of the concepts covered in Calculus. Students will be required to work with more intensity, at a deeper level, and produce a wider range of more complex and difficult material. PREREQUISITE: Precalculus CP or

Precalculus Honors

Title: Analytical Geo & Calc I (MAT140)

Course Number: 413600EW

Unit Credit: 1

Grade Level: 11

Analyt Geom & Calc 1 is a college-level course and is the first part of a two-part sequence. The course follows the standard AP Calculus AB curriculum. However, applications are focused intensely on engineering topics. Students enrolled in the ACCELERATE program will register to take this course during the fall semester of their junior year. PREREQUISITE: Pre-Calculus for Engineers 2

Title: Analytical Geo & Calc II (Mat 141)

Course Number: 413700EW

Unit Credit: 1

Grade Level: 12

The course follows the standard AP Calculus BC curriculum on Single-Variable Calculus. The course is college paced, and follows a typical beginning course in Calculus and analysis, typically required of freshmen engineering majors. Topics include transcendental functions, applications of integration, integration techniques, indeterminate forms, improper integrals, parametric equations, polar coordinates, and infinite series. Applications will emphasize engineering problems. PREQUISITE: Analytical Geo & Calc I

Title: Prob and Stats CP

Course Number: 414105CW

Unit Credit: 1

Grade Level: 9 - 12

This course is a broad introduction to the concepts of probability and statistics. Topics will include probability; collection display, and analysis of data; permutations and combinations; binomial normal and t-distributions. The SCCCR mathematical process standards apply throughout the course. PREREQUISITE: Geometry CP and Algebra 2 CP

Title: Discrete Math CP

Course Number: 414205CW

Unit Credit: 1

Grade Level: 9 - 12

Discrete mathematics can loosely be described as the study of ideas or objects that can be divided into separate or discontinuous parts as opposed to algebra and calculus, which focus mainly on continuous mathematics. Many of its principles can be applied in the fields of business, computer science, and social decision making. Discrete mathematics complements and enriches the traditional curriculum. Since discrete mathematics encompasses a large variety of topics, this course cannot include them all. The topics of study for this course are graph theory, vectors, combinatorics, probability, election theory, fair division, sequences, series, recursion, mathematical modeling, and mathematical induction. Emphasis is on active participation through modeling, technology lab activities, group activities, multiple representation, and communication in mathematics. The course will be taught through the use of best practices and research-proven instructional strategies. PREREQUISITE: Algebra 2, any level, and Math teacher recommendation

Title: AP Calculus AB

Course Number: 417005AW

Unit Credit: 1

Grade Level: 9 - 12

This is a course for the mathematically gifted student capable of college-level work. The course outline reflects the content currently recommended by the College Entrance Examination Board (CEEB). Students enrolled in the course are required to take the AP Calculus Exam in the spring. PREREQUISITE: Precalculus Honors or Math teacher recommendation

Title: AP Statistics

Course Number: 417105AW

Unit Credit: 1

Grade Level: 9 - 12

This is a college-level mathematics course for students who have been highly successful in Algebra 2. The purpose is to introduce students to the major concepts and tools of elementary statistics as they collect, analyze, and draw conclusions from data. Students will have extensive opportunities to explore data, plan studies, anticipate patterns, and use statistical inference. Students enrolled in the course are required to take the AP Statistics Exam in May. **PREREQUISITE:** Algebra 2 Honors or Algebra 2 with Math teacher recommendation

Title: AP Calculus BC

Course Number: 417205AW

Unit Credit: 1

Grade Level: 9 - 12

This is a course for the mathematically gifted student capable of college-level work. The course outline reflects the content currently recommended by the College Entrance Examination Board (CEEB). Students enrolled in the course are required to take the AP Calculus Exam in the spring. **PREREQUISITE:** Precalculus Honors or Math teacher recommendation

Title: AP Computer Science

Course Number: 477105AW

Unit Credit: 1

Grade Level: 9 - 12

This is a college-level course which follows the guidelines recommended by the College Entrance Examination Board. Students will become proficient in the Java computer programming language and will learn the basics of software design. Students are required to take the A level Advanced Placement Computer Science Examination in May. Previous exposure to computer basics and computer programming is highly recommended for success. This course meets the computer science requirement for graduation. **PREREQUISITE:** Algebra 2 Honors or Instructor approval

Science

Title: Integrated Science

Course Number: 321000CW

Unit Credit: 1

Grade Level: 9 - 12

This course is an introductory level course for 9th grade students who need additional support for the literacy demands of Biology. A critical component of this course will be a focus on science and engineering practices. Students enrolled in this course of study will discover how scientists think, read, talk, and write. This is done through a variety of inquiry-based teaching methods which include: labs and lab simulations, research opportunities, group and individual activities, and class seminars and discussions. Assessment of students will be done through class participation, group and individual projects, labs, homework, quizzes, and tests. Pre-requisites: Teacher recommendation (based on multiple data points)

Title: Biology 1 H

Course Number: 322103HW

Unit Credit: 1

Grade Level: 9 - 12

This honors-level course encompasses interrelationships of living things, levels of biological organization, human biology, social implications, biochemistry, and genetics. Extensive laboratory work and problem-solving are essential components. Beginning with the 2010-2011 school year, the state required end-of-course test in Biology will be administered as the final exam for this class and the class will be required for graduation. The grade on the end-of-course test will count as 20% of the student's final grade. **PREREQUISITE:** Science teacher recommendation

Title: Biology 1 CP

Course Number: 322104CW

Unit Credit: 1

Grade Level: 9 - 12

This course includes laboratory work and extensive study of specimens. Course content encompasses interrelationships of living things, levels of biological organization, human biology, social implications, biochemistry, and genetics. Beginning with the 2010-2011 school year, the state required end-of-course test in Biology will be administered as the final exam for this class and the class will be required for graduation. The grade on the end-of-course test will count as 20% of the student's final grade. **PREREQUISITE:** Science teacher recommendation

Title: Biology 2 H

Course Number: 322203HW

Unit Credit: 1

Grade Level: 9 - 12

This honors-level course will be an extension of the topics taught in Biology 1 Honors. Student work will focus on preparation for college-level biology. Laboratory work is an important part of this course. PREREQUISITE: Chemistry 1 and Science teacher recommendation

Title: Biology 2 CP

Course Number: 322204CW

Unit Credit: 1

Grade Level: 9 - 12

This course is an extension of topics taught in Biology 1 CP and includes laboratory work in biology. PREREQUISITE: Chemistry 1 and Science teacher recommendation

Title: Marine Science H

Course Number: 322503HW

Unit Credit: 1

Grade Level: 9 - 12

This honors-level course involves oceanographic studies with emphasis on geology and physiology of the ocean. Research on topics such as: over fishing, endangered species, legislation, environmental management of shorelines, etc. Students will have the opportunity to learn and research about the ocean through required readings and field studies. The South Carolina Commission on Higher Education accepts this course as a science course for college admission with the prerequisites of Biology 1 and Chemistry 1. Students in this course will be required to work with more intensity, at a deeper level, and produce a wider range of more complex material. PREREQUISITE: Biology 1, Chemistry 1 and Science teacher recommendation

Title: Marine Science

Course Number: 322557CW

Unit Credit: 1

Grade Level: 9 - 12

This course promotes an awareness of coastal and marine systems. This includes the physical and chemical properties living systems and interrelationships. This course provides opportunities for student participation in research, experimentation, dissection, field studies and decision-making. The South Carolina Commission on Higher Education accepts this course as a science course for college admission with the prerequisites of Biology 1 and Chemistry 1. PREREQUISITE: Biology 1, Chemistry 1, Science teacher recommendation

Title: Chemistry 1 H

Course Number: 323103HW

Unit Credit: 1

Grade Level: 9 - 12

This course is rigorous and demands a high level of abstract thinking, working with symbols, and application of knowledge to problem-solving. Students will study atomic structure, quantum mechanical theory, bonding, shapes of molecules, gases, thermochemistry, electrochemistry, oxidation reduction, nuclear chemistry, acids and bases. The course contains a major laboratory component. PREREQUISITE: Biology 1, Algebra 1 and Science teacher recommendation

Title: Chemistry 1 CP

Course Number: 323104CW

Unit Credit: 1

Grade Level: 9 - 12

This course is rigorous and demands a high level of abstract thinking, memorization, working with symbols, and application of knowledge to problem-solving. Student participation in laboratory activities is essential for success in this course. The course content includes organization of matter, chemical bonding, atomic structure, gases, states of matter, nomenclature, and skills development. PREREQUISITE: Biology 1, Algebra 1 and Science teacher recommendation

Title: Physics 1 H

Course Number: 324103HW

Unit Credit: 1

Grade Level: 9 - 12

This honors-level course focuses on the basic principles which determine the interactions between matter and energy with extensive laboratory work. The course includes topics on mechanics, electricity, magnetism, thermodynamics, optics, sound and an introduction to quantum physics. Students in this course will gain a basic knowledge of physics which they can build on in future college classes. Students in this course will be required to work with more intensity, at a deeper level, and produce a wider range of more complex material. PREREQUISITE: Biology 1 and Science teacher recommendation. Algebra 2 (or concurrent) is highly recommended.

Title: Physics 1 CP

Course Number: 324104CW

Unit Credit: 1

Grade Level: 9 - 12

This course familiarizes students with fundamental principles of physics and their applications. The course includes topics on mechanics, electricity, magnetism, thermodynamics, optics, sound and an introduction to quantum physics. Math, graphing, and problem-solving skills will comprise the basis of instruction. PREREQUISITE: Biology 1 and Science teacher recommendation. Algebra 2 (or concurrent) is highly recommended.

Title: Forensic Science

Course Number: 324501CW

Unit Credit: 1

Grade Level: 9 - 12

Forensic science is the application of basic biological, chemical and physical science principles and technological practices to the purposes of justice in the study of criminal and civil issues. Students will learn the methodology needed to evaluate a crime scene, the proper lab mechanics needed to evaluate evidence, and how to compare between a known and unknown. Students will learn how DNA, fingerprinting, and other forensic tests can be used to solve a crime. PREREQUISITE: Biology 1 and Chemistry 1 and Science teacher recommendation

Title: Forensic Science H

Course Number: 324503HW

Unit Credit: 1

Grade Level: 9 - 12

Forensic science is the application of basic biological, chemical and physical science principles and technological practices to the purposes of justice in the study of criminal and civil issues. Students will learn the methodology needed to evaluate a crime scene, the proper lab mechanics needed to evaluate evidence, and how to compare between a known and unknown. Students will learn how DNA, fingerprinting, and other forensic tests can be used to solve a crime. Students will conduct a greater number of laboratory tests, requiring extensive quantitative and qualitative skills. A project that summarizes all aspects of the class will be required for successful completion.

PREREQUISITE: Biology 1, Chemistry 1, and Science teacher recommendation

Title: Physics 2 (PHY 202)

Course Number: 324800EW

Unit Credit: 1

Grade Level: 9 - 12

Title: Astronomy

Course Number: 325101CW

Unit Credit: 1

Grade Level: 9 - 12

This course is designed for students who are interested in studying the dynamics of the universe and the history of the earth as a planet. It includes stellar evolution, planetology, laws of motion as applied to space flight, and planet motion and the history of space flight.

PREREQUISITE: Biology 1 and Science teacher recommendation.

Title: Environ Studies H (Lab)

Course Number: 326103HW

Unit Credit: 1

Grade Level: 9 - 12

This course is designed as a rigorous upper-level course which promotes understanding of human impact on the environment. The course includes physical and chemical properties, living systems and interrelationships. The course provides opportunities for student participation, research, field testing, experimentation, and decision making. The class requires students to participate in and develop a variety of environmental labs and analyses of ecosystem relationships. The South Carolina Commission on Higher Education accepts this course as a science course for college admission with the prerequisites of Biology 1. Please note the Commission on Higher Education considers this a rigorous upper-level class and not an introductory course. To provide students with the proper rigorous background needed in the class, the school district requires the prerequisites of Biology 1 Honors. PREREQUISITE: Biology 1, and Science teacher recommendation

Title: Environ Studies CP (Lab)

Course Number: 326107CW

Unit Credit: 1

Grade Level: 9 - 12

This course is designed to promote an understanding of human impact on the environment. The course includes physical and chemical properties, living systems and interrelationships. The course provides opportunities for student participation, research, field testing, experimentation, and decision-making. The SC Commission on Higher Education accepts this course as a science course for college admission with the prerequisites of Biology 1. Please note the Commission on Higher Education considers this a rigorous, upper level course and not an introductory class. To provide students with the proper rigorous background needed in the class, the school district requires the pre-requisites of Biology 1. PREREQUISITE: Biology 1, Science teacher recommendation

Title: Anatomy & Physiology

Course Number: 326300CW

Unit Credit: 1

Grade Level: 9 - 12

This course is designed for those students interested in pursuing a career in a health field. Students will learn about human cells, tissues, organs and systems. PREREQUISITE: Biology 1, Chemistry 1, Science teacher recommendation

Title: Anatomy and Physiology (H)

Course Number: 326300HW

Unit Credit: 1

Grade Level: 9 - 12

This course is designed for those students interested in pursuing a career in a health field. Students will learn about human cells, tissues, organs and systems. PREREQUISITE: Biology 1, Chemistry 1, Science teacher recommendation

Title: Earth Science

Course Number: 326501CW

Unit Credit: 1

Grade Level: 9 - 12

This rigorous laboratory course is designed for students who are interested in studying the forces that are changing the earth. These forces include the study of effects of plate tectonics (such as earthquakes and volcanoes), erosion, and atmospheric forces. Students will also study the planets, star structure and evolution, constellations, and space flight. PREREQUISITE: Biology 1 and Science teacher recommendation

Title: Earth Science (H)

Course Number: 326501HW

Unit Credit: 1

Grade Level: 9 - 12

Earth Science is a rigorous laboratory course focusing on the study of space, and the geologic and atmospheric forces that shape our world. Through experimentation and investigation, students will explore the earth cycles including the geosphere, hydrosphere, and the atmosphere. Students will learn about scientific inquiry, geologic time, space exploration, the solar system and the universe. Students will use interactive experiences, higher order thinking, collaborative projects, and real world application through labs and a variety of assessments. Prerequisite: Biology 1 and Science teacher approval.

Title: AP Biology

Course Number: 327205AW

Unit Credit: 1

Grade Level: 9 - 12

This course is an in-depth study equivalent to college-freshman biology and includes: molecular and cellular biology, genetics, and evolution, organisms, population, and ecology. All students taking this course are required to take the AP Biology exam in May. PREREQUISITE: Biology 1 and Approval of AP Teacher

Title: AP Chemistry

Course Number: 327305AW

Unit Credit: 1

Grade Level: 9 - 12

This course is designed to be equivalent to college-freshman general chemistry. Topics include: theoretical aspects of chemistry, structure of matter, kinetic theory of gases, chemical equilibria, chemical kinetics, electrochemistry, stoichiometry, and thermodynamics. There is strong emphasis on chemical calculations. Accuracy and speed problem-solving are stressed. All students taking this course are required to take the AP exam in May. PREREQUISITE: Chemistry 1 and approval of AP Teacher

Title: AP Environmental Sci

Course Number: 327705AW

Unit Credit: 1

Grade Level: 9 - 12

The AP Environmental Science course provides students with the scientific principles, concepts, and methodologies required to understand the relationship of organisms in nature, to analyze environmental problems and to search for a solution for these problems. Students must take the AP Environmental Science Exam in May. PREREQUISITE: Biology 1 and Chemistry 1 recommended, Approval of AP Teacher

Title: AP Physics 1

Course Number: 328200AW

Unit Credit: 1

Grade Level: 9 - 12

This course is a rigorous study of freshman college-level physics. Traditional topics of Newtonian mechanics (including rotational dynamics and angular momentum); work, energy, and power; mechanical waves and sound; and an introduction to electric circuits are addressed. Problem solving skills using algebra and trigonometry are emphasized. Application of theory in laboratory is also a major component. Students must take the AP Physics 1 exam in May. PREREQUISITE: Physics 1, Algebra 2 (or concurrent), and Approval of AP Teacher (Physics 1 prerequisite may be deferred at discretion of AP teacher)

Title: AP Physics 2

Course Number: 328300AW

Unit Credit: 1

Grade Level: 9 - 12

This course is equivalent to a second semester college course in algebra-based physics. The course covers fluid mechanics, thermodynamics, electricity and magnetism, optics, and atomic and nuclear physics. Problem solving skills using algebra and trigonometry are emphasized. Application of theory in laboratory is also a major component. Students must take the AP Physics 2 exam in May.

PREREQUISITE: AP Physics 1, Precalculus (or concurrent), and Approval of AP Teacher

Title: Scientific Research (non-lab)

Course Number: 329965CW

Unit Credit: 1

Grade Level: 9 - 12

Sound scientific technique requires the collection of information from many different sources including the measurement and analysis of experimental data. This elective course equips students with the basic techniques required to conduct a scientific research study in area of science or technology. The major goal of the course is the completion of a science project. Students will conduct research with the intention of entering it in a contest and presenting it at a conference. In the process of doing their research the students will learn how to conduct a literature search, avoid common data collection problems and use basic statistical analysis on the data they collect. In addition they will be introduced to error analysis on the Internet. **PREREQUISITE:** Biology 1 and Science teacher recommendation

Title: Laboratory Assistant (non-lab)

Course Number: 329966CH

Unit Credit: 0.5

Grade Level: 9 - 12

Students who are interested in any field of science have an opportunity to serve as a laboratory assistant for a year. The laboratory assistant will aid the teacher in classroom lab preparations. Also the assistant will be required to prepare laboratory materials, maintain the laboratory area and perform general housekeeping duties (i.e. washing lab glassware sweeping cleaning). In order to earn a half unit of elective credit, the student must complete an individual science project in addition to the duties outlined. **PREREQUISITE:** Science teacher recommendation and completion of two science courses.

Title: Laboratory Assistant (non-lab)

Course Number: 329966CW

Unit Credit: 1

Grade Level: 9 - 12

Students who are interested in any field of science have an opportunity to serve as a laboratory assistant for a year. The laboratory assistant will aid the teacher in classroom lab preparations. Also the assistant will be required to prepare laboratory materials, maintain the laboratory area and perform general housekeeping duties (i.e. washing lab glassware sweeping cleaning). In order to earn a half unit of elective credit, the student must complete an individual science project in addition to the duties outlined. **PREREQUISITE:** Science teacher recommendation and completion of two science courses.

Social Studies

Title: Modern World History

Course Number: 330600CW

Unit Credit: 1

Grade Level: 9 - 12

The course is designed to focus on the making of the modern world, beginning with the time period of 1300 to the present. Students will develop an understanding of how people and countries of the world have become increasingly interconnected. The course will focus on how the changes over the last 700 years including population growth, demand for resources, curiosity, and technology have converged to draw the distant corners of the world closer together. Students will learn through the lens of inquiry and historical thinking skills while applying History/Social Studies Literacy skills as they think critically about why and how people, ideas, and technology have made an impact on diverse groups of people. Note: This course is an elective and can only be taken ONE time. **PREREQUISITE:** Social Studies Teacher Recommendation

Title: Modern World History (H)

Course Number: 330600HW

Unit Credit: 1

Grade Level: 9 - 12

The course is designed to focus on the making of the modern world, beginning with the time period of 1300 to the present. Students will develop an understanding of how people and countries of the world have become increasingly interconnected. The course will focus on how the changes over the last 700 years including population growth, demand for resources, curiosity, and technology have converged to draw the distant corners of the world closer together. Students will learn through the lens of inquiry and historical thinking skills while applying History/Social Studies Literacy skills as they think critically about why and how people, ideas, and technology have made an impact on diverse groups of people. Parallel readings, critical research, and authentic product and performance development will be a requirement. It is recommended students have Honors English placement. Note: This course is an elective and can only be taken ONE time. PREREQUISITE: Social Studies Teacher Recommendation

Title: Human Geography

Course Number: 330700CW

Unit Credit: 1

Grade Level: 9 - 12

Students will study Earth's human geography beginning with the use of maps and other geographic representations, geospatial technologies, and spatial thinking to understand and communicate geographic information. Students will examine patterns and processes of how human characteristics and activities vary across Earth's surface and how humans understand, use, and alter the surface of Earth. This course is organized systematically around the topics of population and migration geography, economic geography, cultural geography, political geography, and urban geography. Students will also learn to employ spatial concepts and landscape analysis to examine human patterns and processes and their environmental consequences. Note: This course is an elective and can only be taken ONE time. PREREQUISITE: Social Studies Teacher Recommendation

Title: Human Geography (H)

Course Number: 330700HW

Unit Credit: 1

Grade Level: 9 - 12

Students will study Earth's human geography beginning with the use of maps and other geographic representations, geospatial technologies, and spatial thinking to understand and communicate geographic information. Students will examine patterns and processes of how human characteristics and activities vary across Earth's surface and how humans understand, use, and alter the surface of Earth. This course is organized systematically around the topics of population and migration geography, economic geography, cultural geography, political geography, and urban geography. Students will also learn to employ spatial concepts and landscape analysis to examine human patterns and processes and their environmental consequences. Parallel readings, critical research, and authentic product and performance development will be a requirement. It is recommended students have Honors English placement. Note: This course is an elective and can only be taken ONE time. PREREQUISITE: Social Studies Teacher Recommendation

Title: Economics & Personal Finance

Course Number: 330800CH

Unit Credit: 0.5

Grade Level: 9 - 12

Students study economics and personal finance beginning with how humans address the fundamental problem of scarcity by making choices based on the existence of limited resources. Using the skills of the economist, students will use inquiry and critical thinking as they learn how rational decisions are made using marginal analysis, and that all choices are met with consequences. Students will investigate how personal financial decisions related to careers, spending, and short- and long-term goal setting impact one's standard of living and long-term financial well-being. In the domain of microeconomics, students will survey the impact of demand, supply, various market structures, and government policies have on market prices for goods, services, and wages for workers. Inquiry into macroeconomics involves observing trends in the economy at large and the policies that are undertaken to promote the economic well-being of a society. The study of economics and personal finance provides a basis for students to develop the skills necessary to live and thrive financially in the 21st century, and participate in society as active and informed decision-makers. Economics is required for graduation. PREREQUISITE: Social Studies teacher recommendation

Title: Economics & Personal Finance (H)

Course Number: 330800HH

Unit Credit: 0.5

Grade Level: 9 - 12

Students study economics and personal finance beginning with how humans address the fundamental problem of scarcity by making choices based on the existence of limited resources. Using the skills of the economist, students will use inquiry and critical thinking as they learn how rational decisions are made using marginal analysis, and that all choices are met with consequences. Students will investigate how personal financial decisions related to careers, spending, and short- and long-term goal setting impact one's standard of living and long-term financial well-being. In the domain of microeconomics, students will survey the impact of demand, supply, various market structures, and government policies have on market prices for goods, services, and wages for workers. Inquiry into macroeconomics involves observing trends in the economy at large and the policies that are undertaken to promote the economic well-being of a society. The study of economics and personal finance provides a basis for students to develop the skills necessary to live and thrive financially in the 21st century, and participate in society as active and informed decision-makers. At the honors level students will read supplementary materials and analyze, synthesize, and evaluate new information as they develop critical thinking skills. It is strongly recommended that students have Honors English placement. Economics is required for graduation. PREREQUISITE: Social Studies teacher recommendation

Title: US History & Constitution H

Course Number: 332003HW

Unit Credit: 1

Grade Level: 9 - 12

In this course, students will learn about the foundation of the American Republic and the expansion and disunion of the United States. Students will investigate the impact of American industrialism and capitalism, including being drawn into world wars, on American politics and geopolitics. Through the lens of the Cold War, students will study the contemporary era including the age of technological development, increased civic participation, and political party realignment. Students will employ the skills of a historian to think critically as they use inquiry to explore the past and formulate their own interpretation of events. This course will entail a rigorous program of reading, research and writing. It is strongly recommended that students have Honors English placement. U.S. History is required for graduation. Students must take the state-required end-of-course U.S. History test as the final exam. It will count 20 percent of the final grade. PREREQUISITE: One social studies unit, Social Studies teacher recommendation

Title: US History & Constitution CP

Course Number: 332009CW

Unit Credit: 1

Grade Level: 9 - 12

In this course, students will learn about the foundation of the American Republic and the expansion and disunion of the United States. Students will investigate the impact of American industrialism and capitalism, including being drawn into world wars, on American politics and geopolitics. Through the lens of the Cold War, students will study the contemporary era including the age of technological development, increased civic participation, and political party realignment. Students will employ the skills of a historian to think critically as they use inquiry to explore the past and formulate their own interpretation of events. U.S. History is required for graduation. Students must take the state-required end-of-course U.S. History test as the final exam. It will count 20 percent of the final grade. PREREQUISITE: One social studies unit, Social Studies teacher recommendation

Title: US Government CP

Course Number: 333007CH

Unit Credit: 0.5

Grade Level: 9 - 12

Students will study the historical and philosophical principles that led to the development of the American constitutional democracy and how those fundamental ideas have continued to sustain America's democratic society. Students will learn how various powers are granted and distributed among the different branches and levels of government, and how checks and balances prevent one branch from overpowering the others. Additionally, students will investigate how American political values are formed and how government functions through individual participation and policy making. In order to continue to thrive, a strong democracy relies on active participation by informed individuals dedicated to upholding the rule of law and individual rights. This course provides a basis for students to develop the skills necessary to live and thrive in America's constitutional democracy and participate in society as active and informed citizens. US Government is required for graduation. PREREQUISITE: Social Studies teacher recommendation

Title: US Government H

Course Number: 333014HH

Unit Credit: 0.5

Grade Level: 9 - 12

Students will study the historical and philosophical principles that led to the development of the American constitutional democracy and how those fundamental ideas have continued to sustain America's democratic society. Students will learn how various powers are granted and distributed among the different branches and levels of government, and how checks and balances prevent one branch from overpowering the others. Additionally, students will investigate how American political values are formed and how government functions through individual participation and policy making. In order to continue to thrive, a strong democracy relies on active participation by informed individuals dedicated to upholding the rule of law and individual rights. This course provides a basis for students to develop the skills necessary to live and thrive in America's constitutional democracy and participate in society as active and informed citizens. At the honors level students will read supplementary materials and analyze, synthesize, and evaluate new information as they develop critical thinking skills. It is strongly recommended that students have Honors English placement. U.S. Government is required for graduation. PREREQUISITE: Social Studies teacher recommendation

Title: Civics

Course Number: 333501CW

Unit Credit: 1

Grade Level: 9 - 12

The goal of education in civics is informed, responsible participation in political life by competent citizens committed to the fundamental values and principles of American constitutional democracy. Students will apply the practice of inquiry-based learning and social studies literacy skills while thinking critically about their government's foundational principles and practices. Students will learn how to utilize historical thinking skills as they analyze, interpret, and evaluate primary and secondary sources. This course will equip students with the necessary foundational pre-requisite knowledge for the 11th grade course, US History and the Constitution, and the 12th grade course, US Government. NOTE: This course is an elective and can only be taken one time. PREREQUISITE: Social Studies teacher recommendation

Title: Psychology CP

Course Number: 334010CH

Unit Credit: 0.5

Grade Level: 9 - 12

Psychology is an elective survey course dedicated to the holistic study of behavior. Topics include the biological bases of behavior, the learning process, sensation and perception, motivation and personality, defense mechanisms, testing, human growth and development, abnormal psychology, and leading theorists in the field.

Title: Psychology H

Course Number: 334080HW

Unit Credit: 1

Grade Level: 9 - 12

Psychology is an elective survey course dedicated to the holistic study of behavior. Topics include the biological bases of behavior, the learning process, sensation and perception, motivation and personality, defense mechanisms, testing, human growth and development, abnormal psychology, and leading theorists in the field. At the honors level this course entails a rigorous program of reading, research, writing and analyzing based on supplemental resources and case studies. It is strongly recommended that students have Honors English placement.

Title: Sociology

Course Number: 334512CH

Unit Credit: 0.5

Grade Level: 9 - 12

Sociology is an elective course that examines the social, political, religious, economic, and educational institutions that affect human relationships. A study of the following will be included: techniques of sociologists, socialization, norms, roles, deviant behavior, groups, social stratification, and social change.

Title: AP US History

Course Number: 337205AW

Unit Credit: 1

Grade Level: 9 - 12

This college-level course is designed to provide students with analytic skills and factual knowledge necessary to deal critically with the issues and materials in United States History. This course prepares students for intermediate and advanced college courses by making demands upon them equivalent to those made by full year introductory courses. It is a survey course with extensive chronological coverage of a broad variety of topics in such special fields as economic, cultural, intellectual, and social history, in addition to political, constitutional, and diplomatic history. It is strongly recommended that students have Honors or AP English placement. Students are required to take the AP United States History exam in May. If taken in place of U.S. History or U.S. History Honors students must also take the state-required end-of-course test as the final exam. It will count 20% of the final grade. U.S. History is required for graduation. PREREQUISITE: Social Studies teacher recommendation

Title: AP US Government

Course Number: 337305AW

Unit Credit: 1

Grade Level: 9 - 12

This college-level course covers the following major content areas: constitutional underpinnings of United States government; political beliefs and behaviors; political parties, interest groups and mass media; institutions of national government, the Congress, the presidency, the bureaucracy, and the federal courts; public policy; and civil rights and civil liberties. It is strongly recommended that students have Honors or AP English placement and U.S. Government Honors as a prerequisite. Students are required to take the AP exam in May. PREREQUISITE: Social Studies teacher recommendation

Title: AP Macroeconomics

Course Number: 337405AW

Unit Credit: 1

Grade Level: 9 - 12

This college-level course covers basic economic concepts, measurement of economic performance, national income, and price determination, international economics, and growth. Students are required to take the AP examination. It is strongly recommended that students have Honors or AP English placement or Honors Algebra. This course meets the Economics requirement for graduation. PREREQUISITE: Social Studies teacher recommendation

Title: AP Microeconomics

Course Number: 337505AW

Unit Credit: 1

Grade Level: 9 - 12

This college-level course covers basic economic concepts, the nature and functions of product market, factor markets, and efficiency, equity, and the role of government. Students are required to take the AP examination in May. It is strongly recommended that students have Honors or AP English placement or Honors Algebra. PREREQUISITE: Social Studies teacher recommendation

Title: AP World History

Course Number: 337705AW

Unit Credit: 1

Grade Level: 9 - 12

This college-level course is designed to provide students with an in-depth understanding of the changes in global processes, human societies and their interaction throughout time. It focuses on the nature of changes and their consequences in international frameworks as well as comparisons among major societies. Although focused primarily on the past thousand years of the global experience, the course builds on an understanding of cultural, institutional, and technological precedents that, along with geography, set the human stage prior to 1000 AD. It is strongly recommended that students have Honors or AP English placement. Students are required to take the AP examination in May. This course may take the place of Global Studies 2 CP. PREREQUISITE: Social Studies teacher recommendation

Title: AP Human Geography

Course Number: 337905AW

Unit Credit: 1

Grade Level: 9 - 12

This college-level course is designed to allow students to study in depth the nature and perspectives of geography, population, cultural patterns and processes, political spatial organization, agricultural and rural land use, industrialization and economic development, and cities/urban land use. Students are required to take the AP exam in May. This course may take the place of Global Studies 1 or Global Studies 2. PREREQUISITE: Social Studies teacher recommendation

Title: The Civil War H

Course Number: 339939HW

Unit Credit: 1

Grade Level: 9 - 12

This elective honors-level course examines in detail the economic, political, social, and military aspects of the Civil War. Students will gain an understanding of the short and long term consequences and legacies of the war. At the honors level students will practice in-depth critical reading, writing, and thinking skills.

Title: AP Psychology

Course Number: 437105AW

Unit Credit: 1

Grade Level: 9 - 12

This college-level course includes methods approaches and history of psychology; bases of behavior; sensation and perception; states of consciousness; learning; cognition; motivation and emotion; developmental psychology; personality; testing and individual differences; abnormal psychology; treatment of psychological disorders; and social psychology. Students are required to take the AP exam in May. PREREQUISITE: Social Studies teacher recommendation

Arts

Title: Art 1

Course Number: 350101CW

Unit Credit: 1

Grade Level: 7 - 12

This introductory course provides students with problem-solving experiences in two and three-dimensional media, stressing design elements (line, shape, form, value, color, space, and texture), and design principles, (proportion, emphasis, harmony/unity, balance, rhythm/movement, contrast repetition/ pattern, and variety). Emphasis is on the development of basic skills. PREREQUISITE: None

Title: Art 2

Course Number: 350201CW

Unit Credit: 1

Grade Level: 9 - 12

This course provides students with two and three-dimensional design experiences and opportunities to apply these principles in individual artistic expressions. Drawing from observation and developing technical competency are emphasized. Periodic class critiques and the maintenance of a sketchbook and portfolio are required. Topics covered include but are not limited to portraiture, graphics, advertising, and display techniques. PREREQUISITE: Art 1 or another Visual Arts course

Title: Art 3 H

Course Number: 350303HW

Unit Credit: 1

Grade Level: 9 - 12

This is an advanced-level course for in-depth approaches to solving two and three-dimensional design problems. Emphasis is on the individual development of craftsmanship and personal expression. Advanced approaches to drawing are stressed. Other techniques explored may include but are not limited to painting, printmaking, design, mixed media, ceramics, and sculpture. Students in this course will be required to work with more intensity, at a deeper level, and produce a wider range of more difficult and complex material. PREREQUISITE: Art 2 and Instructor approval

Title: Art 4 H

Course Number: 350403HW

Unit Credit: 1

Grade Level: 9 - 12

This advanced art course emphasizes individualized exploration of specific art problems. The course content is contractual and meets the interests and needs of individual students. A sketchbook and periodic critiques are required. Students develop and maintain professional quality portfolios. This course prepares students for Advanced Placement studio courses. Media and techniques explored may include but are not limited to painting, printmaking, design, mixed media, ceramics, and sculpture. Students in this course will be required to work with more intensity, at a deeper level, and produce a wider range of more difficult and complex material. PREREQUISITE: Art 3 H and Instructor approval

Title: Instrumental Music: Band 1

Course Number: 353102CW

Unit Credit: 1

Grade Level: 8 - 12

This course emphasizes basic musicianship and performance techniques on individual woodwind brass and percussion instruments. Students concentrate on developing technique breath control tone quality range and proper posture. Students participate in small and large ensembles in which quality traditional and contemporary literature reinforce important musical concepts. The major emphasis of this course is on traditional concert literature. Students will have the opportunity to perform as soloists and members of ensembles. PREREQUISITE: Participation in the middle school program or private study and teacher recommendation

Title: Instrumental Music Band 1 (H)

Course Number: 353127HW

Unit Credit: 1

Grade Level: 8 - 12

Instrumental Music: Band 1 Honors is a course designed for advanced musicians. Students entering Band 1 Honors must be able to successfully play SCBDA junior level scale and sight reading requirements and concert music ranging from grade 3 to 5. Students will be expected to consistently demonstrate a mature characteristic tone quality on their instrument. Honors band classes are performance based and as a result are directly tied to co-curricular activities. Participation in auditions and concerts out of the regular school day are required. Students enrolled in Instrumental Music: Band 1 Honors will be required to participate in winter and spring concerts, SCBDA Concert Performance Assessment, Greenville All-County Band auditions and clinic, SCBDA Region and All-State Band auditions and clinic, SCBDA Solo and Ensemble and other performances determined by the school Director of Bands.

Title: Instrumental Music Band 2 (H)

Course Number: 353200HW

Unit Credit: 1

Grade Level: 9 - 12

Instrumental Music: Band 2 Honors is a course designed for advanced musicians. Students entering Band 2 Honors must be able to successfully play SCBDA junior level scale and sight reading requirements and concert music ranging from grade 3 to 5. Students will be expected to consistently demonstrate a mature characteristic tone quality on their instrument. Honors band classes are performance based and as a result are directly tied to co-curricular activities. Participation in auditions and concerts out of the regular school day are required. Students enrolled in Instrumental Music: Band 2 Honors will be required to participate in winter and spring concerts, SCBDA Concert Performance Assessment, Greenville All-County Band auditions and clinic, SCBDA Region and All-State Band auditions and clinic, SCBDA Solo and Ensemble and other performances determined by the school Director of Bands.

Title: Instrumental Music: Band 2

Course Number: 353202CW

Unit Credit: 1

Grade Level: 9 - 12

This course is a continuation of Instrumental Music Band 1. Instruction will focus on the performance of high quality wind band literature. Students will be expected to demonstrate mastery of musical concepts taught. Since this is a curricular class and rehearsals, concerts and music events outside of the regular school day are an extension of the learning that has occurred in class they are a required component and will be a portion of the overall grade. PREREQUISITE: Any first level Instrumental Music course and Instructor Approval

Title: Instrumental Music: Band 3

Course Number: 353302CW

Unit Credit: 1

Grade Level: 9 - 12

This course is a continuation of Instrumental Music Band 2. Instruction will focus on the performance of high quality wind band literature. Students will be expected to demonstrate mastery of musical concepts taught. Since this is a curricular class and rehearsals, concerts and music events outside of the regular school day are an extension of the learning that has occurred in class they are a required component and will be a portion of the overall grade. PREREQUISITE: Any second level Instrumental Music course and Instructor Approval

Title: Instrumental Music: Band 3 (H)

Course Number: 353302HW

Unit Credit: 1

Grade Level: 9 - 12

This course is a continuation of Symphonic Band 2. Students continue their technical development and give attention to the development of musical interpretation. Exposed to music of various styles and periods students increase their understanding of the elements of music through music literature. They review concert fundamentals and apply them to performance. Students may assume additional leadership responsibilities. Students in this course will work with more intensity, at a deeper level, and produce a wider range of more difficult and complex material. PREREQUISITE: Any second level Instrumental Music course and Instructor approval

Title: Instrumental Music: Band 4

Course Number: 353402CW

Unit Credit: 1

Grade Level: 9 - 12

This course is a continuation of Instrumental Music Band 3. Instruction will focus on the performance of high quality wind band literature. Students will be expected to demonstrate mastery of musical concepts taught. Since this is a curricular class and rehearsals, concerts and music events outside of the regular school day are an extension of the learning that has occurred in class they are a required component and will be a portion of the overall grade. PREREQUISITE: Any third level Instrumental Music course and Instructor Approval

Title: Instrumental Music: Band 4 (H)

Course Number: 353402HW

Unit Credit: 1

Grade Level: 9 - 12

This course is a continuation of Band 3. The emphasis is on concert performance. Students receive small group instruction and experience in playing superior chamber music and wind band literature. Their program of study stresses the value of music as a leisure time activity. Students may be offered opportunities for important leadership positions. Students in this course will be required to work with more intensity, at a deeper level, and produce a wider range of more difficult and complex material. PREREQUISITE: Any third level Instrumental Music course and Instructor approval

Title: Instrumental Music: Band 5

Course Number: 353500CW

Unit Credit: 1

Grade Level: 9 - 12

This course is a continuation of Instrumental Music Band 4. Instruction will focus on the performance of high quality wind band literature. Students will be expected to demonstrate mastery of musical concepts taught. Since this is a curricular class and rehearsals, concerts and music events outside of the regular school day are an extension of the learning that has occurred in class they are a required component and will be a portion of the overall grade. **PREREQUISITE:** Any fourth level Instrumental Music course and Instructor Approval

Title: Instrumental Music: Band 5 (H)

Course Number: 353502HW

Unit Credit: 1

Grade Level: 9 - 12

This course is a continuation of Symphonic Band 4. The emphasis is on concert performance. Students receive small group instruction and experience in playing superior chamber music and wind band literature. Their program of study stresses the value of music as a leisure time activity. Students may be offered opportunities for important leadership positions. **PREREQUISITE:** Any fourth level Instrumental Music course and Instructor Approval

Title: Instrumental Music: Band 6

Course Number: 353600CW

Unit Credit: 1

Grade Level: 9 - 12

This course is a continuation of Instrumental Music Band 5. Instruction will focus on the performance of high quality wind band literature. Students will be expected to demonstrate mastery of musical concepts taught. Since this is a curricular class and rehearsals, concerts and music events outside of the regular school day are an extension of the learning that has occurred in class they are a required component and will be a portion of the overall grade. **PREREQUISITE:** Any fifth level Instrumental Music course and Instructor Approval

Title: Instrumental Music: Band 6 (H)

Course Number: 353602HW

Unit Credit: 1

Grade Level: 9 - 12

This course is a continuation of Symphonic Band 5. The emphasis is on concert performance. Students receive small group instruction and experience in playing superior chamber music and wind band literature. Their program of study stresses the value of music as a leisure time activity. Students may be offered opportunities for important leadership positions. **PREREQUISITE:** Any fifth level Instrumental Music course and Instructor Approval

Title: Chorus 1

Course Number: 354101CW

Unit Credit: 1

Grade Level: 8 - 12

This is a non-auditioned course open to all students. This course emphasizes the development of basic vocal techniques and skills including: good posture, tone quality, breath support, diction, and attack and release. Attention is given to the understanding and practice of basic elements of music including music reading skills. Students may have the opportunity to sing in foreign languages while studying a variety of styles of choral music. Vocal independence is emphasized in the performance opportunities that will be given. This is considered a beginning level class and students will have the opportunity to audition for advanced choral classes after completing Chorus 1. **PREREQUISITE:** None

Title: Chorus 2

Course Number: 354201CW

Unit Credit: 1

Grade Level: 9 - 12

This is a non-auditioned course open to all students. This course emphasizes the development of basic vocal techniques and skills including: good posture, tone quality, breath support, diction, and attack and release. Attention is given to the understanding and practice of basic elements of music including music reading skills. Students may have the opportunity to sing in foreign languages while studying a variety of styles of choral music. Vocal independence is emphasized in the performance opportunities that will be given. This is considered a beginning level class and students can audition for advanced choral classes in the future. **PREREQUISITE:** Chorus 1

Title: Chorus 2

Course Number: 354212CH

Unit Credit: 0.5

Grade Level: 9 - 12

This is a non-auditioned course open to all students. This course emphasizes the development of basic vocal techniques and skills including: good posture, tone quality, breath support, diction, and attack and release. Attention is given to the understanding and practice of basic elements of music including music reading skills. Students may have the opportunity to sing in foreign languages while studying a variety of styles of choral music. Vocal independence is emphasized in the performance opportunities that will be given. This is considered a beginning level class and students can audition for advanced choral classes in the future. **PREREQUISITE:** Chorus 1

Title: Chorus 3 H

Course Number: 354303HW

Unit Credit: 1

Grade Level: 9 - 12

This is a non-auditioned course open to all students. This course emphasizes the development of basic vocal techniques and skills including: good posture, tone quality, breath support, diction, and attack and release. Attention is given to the understanding and practice of basic elements of music including music reading skills. Students may have the opportunity to sing in foreign languages while studying a variety of styles of choral music. Vocal independence is emphasized in the performance opportunities that will be given. This is considered a beginning level class and students can audition for advanced choral classes in the future. PREREQUISITE: Chorus 2 and Instructor Approval

Title: Chorus 4 H

Course Number: 354403HW

Unit Credit: 1

Grade Level: 9 - 12

This is a non-auditioned course open to all students. This course emphasizes the development of basic vocal techniques and skills including: good posture, tone quality, breath support, diction, and attack and release. Attention is given to the understanding and practice of basic elements of music including music reading skills. Students may have the opportunity to sing in foreign languages while studying a variety of styles of choral music. Vocal independence is emphasized in the performance opportunities that will be given. This is considered a beginning level class and students can audition for advanced choral classes in the future. PREREQUISITE: Chorus 3 H or Chorus 3

Title: Chorus 5 (H)

Course Number: 3545A1HW

Unit Credit: 1

Grade Level: 9 - 12

This is a non-auditioned course open to all students. This course emphasizes the development of basic vocal techniques and skills including: good posture, tone quality, breath support, diction, and attack and release. Attention is given to the understanding and practice of basic elements of music including music reading skills. Students may have the opportunity to sing in foreign languages while studying a variety of styles of choral music. Vocal independence is emphasized in the performance opportunities that will be given. This is considered a beginning level class and students can audition for advanced choral classes in the future. PREREQUISITE: Chorus 4 H or Chorus 4

Title: Chorus 6 (H)

Course Number: 3546A1HW

Unit Credit: 1

Grade Level: 9 - 12

This is a non-auditioned course open to all students. This course emphasizes the development of basic vocal techniques and skills including: good posture, tone quality, breath support, diction, and attack and release. Attention is given to the understanding and practice of basic elements of music including music reading skills. Students may have the opportunity to sing in foreign languages while studying a variety of styles of choral music. Vocal independence is emphasized in the performance opportunities that will be given. This is considered a beginning level class and students can audition for advanced choral classes in the future. PREREQUISITE: Chorus 5 H or Chorus 5

Title: Orchestra/strings 1

Course Number: 355101CW

Unit Credit: 1

Grade Level: 8 - 12

This course is a supplementary experience for students with superior musical talents. This course emphasizes basic musicianship on individual strings or orchestra instruments. Students concentrate on developing technique, tone quality, range, and proper posture. Students receive concentrated instruction in performance techniques and have the opportunity to apply them through solo performance and chamber ensemble participation. PREREQUISITE: Participation in the middle school program or private study and teacher recommendation

Title: Orchestra 2 Honors

Course Number: 355200HW

Unit Credit: 1

Grade Level: 9 - 12

Orchestra 2 Honors will be a continuation of Orchestra 1 Honors. Students will be expected to play in a more fully extended range of their instrument, with a more mature sound where characteristic tone quality is consistently displayed, be able to sight-read grade 2+ music and be able to play grade 4+ orchestra literature. Students will develop an understanding of upper-level performance and comprehension strategies. Honors orchestra classes are performance-based and as a result, are directly tied to co-curricular activities. Participation in auditions and concerts out of the regular school day are required. Students enrolled in Orchestra 2 Honors will be required to participate in: Winter Concert, Spring Concert, SCMEA Concert Performance Assessment, Greenville All-County Orchestra Auditions, SCMEA Region Orchestra Auditions, SCMEA All-State Orchestra Auditions (if eligible) and SCMEA Solo & Ensemble.

Title: Orchestra/strings 2

Course Number: 355201CW

Unit Credit: 1

Grade Level: 9 - 12

This course is a supplementary experience for students with superior musical talents. This course emphasizes basic musicianship on individual strings or orchestra instruments. Students concentrate on developing technique, tone quality, range, and proper posture. Students receive concentrated instruction in performance techniques and have the opportunity to apply them through solo performance and chamber ensemble participation. PREREQUISITE: Any first level Instrumental Music course and teacher recommendation

Title: Orchestra/strings 3 H

Course Number: 355303HW

Unit Credit: 1

Grade Level: 9 - 12

This course is a supplementary experience for students with superior musical talents. This course emphasizes basic musicianship on individual strings or orchestra instruments. Students concentrate on developing technique, tone quality, range, and proper posture. Students receive concentrated instruction in performance techniques and have the opportunity to apply them through solo performance and chamber ensemble participation. Students in this course will be required to work with more intensity, at a deeper level, and produce a wider range of more difficult and complex material. PREREQUISITE: Any second level Instrumental Music course and Instructor Approval

Title: Orchestra/strings 4 H

Course Number: 355403HW

Unit Credit: 1

Grade Level: 9 - 12

This course is a supplementary experience for students with superior musical talents. This course emphasizes basic musicianship on individual strings or orchestra instruments. Students concentrate on developing technique, tone quality, range, and proper posture. Students receive concentrated instruction in performance techniques and have the opportunity to apply them through solo performance and chamber ensemble participation. They may have the opportunity to audition for the district orchestras to study and perform literature for full orchestra. Students in this course will be required to work with more intensity, at a deeper level, and produce a wider range of more difficult and complex material. PREREQUISITE: Any third level Instrumental Music course and Instructor Approval

Title: Music Appreciation 1

Course Number: 356112CH

Unit Credit: 0.5

Grade Level: 9 - 12

This course emphasizes the study of composers and styles of each period of music from the Renaissance to the Twentieth Century. The development of listening skills is of primary importance and the course includes guided listening experiences through live concerts and recordings. The course stresses literature from the mainstream of music and music of different cultures and ethnic groups. PREREQUISITE: None

Title: Music Appreciation 2

Course Number: 356212CH

Unit Credit: 0.5

Grade Level: 9 - 12

This course is a continuation of Music Appreciation 1. This course emphasizes the study of composers and styles of each period of music from the Renaissance to the Twentieth Century. The development of listening skills is of primary importance and the course includes guided listening experiences through live concerts and recordings. The course stresses literature from the mainstream of music and music of different cultures and ethnic groups. PREREQUISITE: Music Appreciation 1

Title: Instrumental Music: Guitar 1

Course Number: 356700CH

Unit Credit: 0.5

Grade Level: 9 - 12

This short study of beginning and intermediate guitar technique will include classical and contemporary styles of music while using both standard and tablature musical notation. PREREQUISITE: None

Title: AP Art History

Course Number: 357105AW

Unit Credit: 1

Grade Level: 9 - 12

This college-level course in the history of art for highly motivated students is to (1) introduce students to the understanding and enjoyment of works of arts (2) develop students' ability to examine critically works of art (3) acquaint students with the major forms of artistic expression and (4) engender an understanding of art in a cultural and historical framework. Students taking this course are required to take the AP Art History examination in May. PREREQUISITE: Teacher recommendation

Title: AP Studio Art/ Draw

Course Number: 357205AW

Unit Credit: 1

Grade Level: 9 - 12

This college-level studio course in art is for artistically talented and highly motivated students. Students must develop a portfolio of work for submission to the College Board Advanced Placement Program for college credit based on an examination. Prospective students must be able to work independently and spend extensive time working beyond the regular class time. Students must select the drawing portfolio section of the studio program. PREREQUISITE: Application / Portfolio

Title: AP Studio Art/2-D

Course Number: 357417AW

Unit Credit: 1

Grade Level: 9 - 12

This college-level studio course in art is for artistically talented and highly motivated students. Students must develop a portfolio of work for submission to the College Board Advanced Placement Program for college credit based on an examination. Prospective students must be able to work independently and spend extensive time working beyond the regular class time. Students must select the 2-D design portfolio section of the studio program. PREREQUISITE: Application / Portfolio

Title: AP Studio Art/3-D

Course Number: 357517AW

Unit Credit: 1

Grade Level: 9 - 12

This college-level studio course in art is for artistically talented and highly motivated students. Students must develop a portfolio of work for submission to the College Board Advanced Placement Program for college credit based on an examination. Prospective students must be able to work independently and spend extensive time working beyond the regular class time. Students must select the 3-D design portfolio section of the studio program. PREREQUISITE: Application / Portfolio

Title: AP Music Theory

Course Number: 357605AW

Unit Credit: 1

Grade Level: 9 - 12

This college-level course includes studies of keys, scales and modes, triads and seventh chords, 4-part analysis and writing, sight-singing, melodic and harmonic dictation, intervals and the harmonic series, musical texture, meter and rhythmic notation, and figured bass realization. Students are required to take the AP exam in Music Theory in May. PREREQUISITE: Music Theory and Instructor approval

Title: Instrumental Music: Band 7

Course Number: 357800CW

Unit Credit: 1

Grade Level: 9 - 12

This course is a continuation of Instrumental Music Band 6. Instruction will focus on the performance of high quality wind band literature. Students will be expected to demonstrate mastery of musical concepts taught. Since this is a curricular class and rehearsals, concerts and music events outside of the regular school day are an extension of the learning that has occurred in class they are a required component and will be a portion of the overall grade. PREREQUISITE: Any sixth level Instrumental Music course and Instructor Approval

Title: Instrumental Music: Band 7 (H)

Course Number: 357802HW

Unit Credit: 1

Grade Level: 9 - 12

This course is a continuation of Symphonic Band 6. The emphasis is on concert performance. Students receive small group instruction and experience in playing superior chamber music and wind band literature. Their program of study stresses the value of music as a leisure time activity. Students may be offered opportunities for important leadership positions. PREREQUISITE: Any sixth level Instrumental Music course and Instructor Approval

Title: Instrumental Music: Band 8

Course Number: 357900CW

Unit Credit: 1

Grade Level: 9 - 12

This course is a continuation of Instrumental Music Band 7. Instruction will focus on the performance of high quality wind band literature. Students will be expected to demonstrate mastery of musical concepts taught. Since this is a curricular class and rehearsals, concerts and music events outside of the regular school day are an extension of the learning that has occurred in class they are a required component and will be a portion of the overall grade. PREREQUISITE: Any seventh level Instrumental Music course and Instructor Approval

Title: Instrumental Music: Band 8 (H)

Course Number: 357902HW

Unit Credit: 1

Grade Level: 9 - 12

This course is a continuation of Symphonic Band 7. The emphasis is on concert performance. Students receive small group instruction and experience in playing superior chamber music and wind band literature. Their program of study stresses the value of music as a leisure time activity. Students may be offered opportunities for important leadership positions. PREREQUISITE: Any seventh level Instrumental Music course and Instructor Approval

Title: Theatre 1

Course Number: 452101CW

Unit Credit: 1

Grade Level: 8 - 12

In this course students will develop basic skills and techniques of set design, acting, and directing and will participate in all aspects of a production. Intense study of a variety of plays and dramatic forms will be included. Students may be required to attend plays as assigned by the teacher/director. PREREQUISITE: None

Title: Theatre 1

Course Number: 452112CH

Unit Credit: 0.5

Grade Level: 9 - 12

In this course students will develop basic skills and techniques of set design, acting, and directing and will participate in all aspects of a production. Intense study of a variety of plays and dramatic forms will be included. Students may be required to attend plays as assigned by the teacher/director. PREREQUISITE: None

Title: Theatre 2

Course Number: 452201CW

Unit Credit: 1

Grade Level: 9 - 12

This course will enable students to study the history of theater and to participate in discussions and performances representative of various periods and styles of theatre. The emphasis will be on the development of techniques of acting, set design, and construction, and creation of costumes. PREREQUISITE: Drama 1

Title: Theatre 3 H

Course Number: 452303HW

Unit Credit: 1

Grade Level: 9 - 12

This course will provide advanced study in technical theatre techniques - such as make up lighting set costume design and acting techniques. Literature from American and continental playwrights is studied, analyzed, and produced. Students in this course will be required to work with more intensity, at a deeper level, and perform/produce a range of more difficult material. PREREQUISITE: Drama 2 and Instructor approval

Title: Theatre 4 H

Course Number: 452403HW

Unit Credit: 1

Grade Level: 9 - 12

In this course the student will study and analyze plays of representative playwrights from Shakespeare through twentieth century writers. Contemporary plays will be studied and produced. Advanced acting and technical techniques will be studied and applied in a production. Each participant will work as actor, director, and technician. Students in this course will be required to work with more intensity, at a deeper level, and produce/perform a range of more difficult material. PREREQUISITE: Drama 3 H and Instructor approval

Title: Art: Film Studies

Course Number: 455300CW

Unit Credit: 1

Grade Level: 9 - 12

Film Studies is a mix of practical and historical information about cinema, an exploration of film acting, directing, and producing - as well as other post production elements. It includes the analysis of films in the context of acting, directing, production, as well as literary and technical elements. Hands on performance would also be integrated to allow the students to see their own acting with the subtleties of film capture. Authentic assessments integrating STEAM principles would include working with real studios and production people in the community after the evaluation of the doctrine of interest in the students.

Title: Art - Ceramics 1

Course Number: 456100CW

Unit Credit: 1

Grade Level: 9 - 12

This course is a study of ceramic art. Emphasis is on techniques in wheel throwing and hand-building. Students will spend some time exploring the hand-building techniques of pinch, coil, slab, and press-molding with emphasis on imagery and design. Some time will be devoted to the potter's wheel as a forming tool. Forms are approached from simple to complex and small to large. Students learn to mix clay and glaze, load, and fire kilns. PREREQUISITE: Art 1 and teacher recommendation.

Title: Art - Ceramics 2

Course Number: 456200CW

Unit Credit: 1

Grade Level: 9 - 12

This course is a study of ceramic art. Emphasis is on techniques in wheel throwing and hand-building. Students will spend some time exploring the hand-building techniques of pinch, coil, slab, and press-molding with emphasis on imagery and design. Some time will be devoted to the potter's wheel as a forming tool. Forms are approached from simple to complex and small to large. Students learn to mix clay and glaze, load, and fire kilns. PREREQUISITE: Ceramics 1 and Teacher Recommendation.

Title: Art - Ceramics 3 (H)

Course Number: 456300HW

Unit Credit: 1

Grade Level: 9 - 12

This course is a study of ceramic art. Emphasis is on techniques in wheel throwing and hand-building. Students will spend some time exploring the hand-building techniques of pinch, coil, slab, and press-molding with emphasis on imagery and design. Some time will be devoted to the potter's wheel as a forming tool. Forms are approached from simple to complex and small to large. Students learn to mix clay and glaze, load, and fire kilns. PREREQUISITE: Ceramics 2 and Teacher Recommendation.

Title: Art - Ceramics 4 (H)

Course Number: 456400HW

Unit Credit: 1

Grade Level: 9 - 12

This course is a study of ceramic art. Emphasis is on techniques in wheel throwing and hand-building. Students will spend some time exploring the hand-building techniques of pinch, coil, slab, and press-molding with emphasis on imagery and design. Some time will be devoted to the potter's wheel as a forming tool. Forms are approached from simple to complex and small to large. Students learn to mix clay and glaze, load, and fire kilns. PREREQUISITE: Ceramics 3 (H) and Teacher Recommendation.

Title: Instrumental Music: Guitar 2

Course Number: 458000CH

Unit Credit: 0.5

Grade Level: 9 - 12

The advanced study of guitar technique will include classical and contemporary styles of music while using both standard and tablature musical notation. PREREQUISITE: Instrumental Music Guitar 1 or Teacher Recommendation

Title: Percussion 1

Course Number: 458300CW

Unit Credit: 1

Grade Level: 9 - 12

Students will learn basic fundamentals of playing marching percussion, concert percussion, mallets, drum set, auxiliary percussion and world percussion. Instruction will focus on correct playing techniques, developing sight reading skills and preparing for large scale performances. Students enrolled in any level of Percussion will be expected to participate in rehearsals and performances outside of the regular school day. Prerequisite: Middle school band experience, audition or high school band director's approval.

Title: World Music

Course Number: 458400CW

Unit Credit: 1

Grade Level: 9 - 12

The purpose of this course is to provide a foundation of non-classical music history. Students would learn the origins of popular music and study its development. Music would be studied by the decade starting in the 20th century.

Title: Art 2 Honors

Course Number: 459900HW

Unit Credit: 1

Grade Level: 9 - 12

Art 2 Honors will prepare the highly motivated art student for the rigor of upper level art classes (3H, 4H, AP Studio). Students will develop an understanding of visual arts concepts as they relate to the development of personal style. This course provides students a variety of in-depth two and three-dimensional design experiences. Students will apply these principles in individual artistic expressions. Advanced drawing from observation, participation in art exhibits, and technical competency are emphasized. Peer critiques and the regular maintenance of a sketchbook and portfolio are required. The pace is accelerated and expectations in problem-solving, application of techniques, and craftsmanship are high. The portfolio of work expected at the end of the Art 2 Honors course should exhibit growth and development of a personal style.

Title: Crafts 1

Course Number: 459901CW

Unit Credit: 1

Grade Level: 9 - 12

This is an introductory course in crafts. The language and history of crafts are emphasized as well as the relationship between the craft object and the elements and principles of design. A variety of craft tools, materials, and techniques are explored. A sketchbook and periodic critiques are required. PREREQUISITE: None

Title: Orchestra/strings 5 H

Course Number: 459901HW

Unit Credit: 1

Grade Level: 9 - 12

This class is designed for students who are advanced and experienced in playing violin, viola, cello, or bass. Students must have completed four or more years of prior high school strings instruction. Focus is on solo and ensemble development in orchestral literature. Students in this course will be required to work with more intensity, at a deeper level, and produce a wider range of more difficult and complex material. PREREQUISITE: Any fourth level Instrumental Music course and Instructor Approval

Title: Crafts 3

Course Number: 459902CW

Unit Credit: 1

Grade Level: 9 - 12

This is a third-level crafts course for individual exploration of specific crafts area: textiles, pottery, glass, and fiber art. An intensive investigation of the historical and cultural aspects as well as the technical processes and materials in a crafts area are stressed. A sketchbook and periodic critiques are required. PREREQUISITE: Crafts 2

Title: Chorus Ens 3 H

Course Number: 459903HW

Unit Credit: 1

Grade Level: 9 - 12

This class is designed to be an auditioned, large, mixed-ensemble group that performs at the intermediate level. This course is a supplementary experience for advanced chorus students with superior vocal talents. Students study a wide variety of music including: Renaissance, vocal jazz, contemporary and popular music, as well as traditional standard choral repertoire. They continue to practice proper tone quality production, music reading, sight-singing, ear training, and vocal flexibility as related to the style performed. In addition, students will also create and demonstrate choreography for selected repertoire. After school rehearsals and performances are part of the course and are considered an extension of the classroom. PREREQUISITE: Chorus 1 and Teacher Recommendation

Title: Digital Media Arts

Course Number: 459906CW

Unit Credit: 1

Grade Level: 9 - 12

This course is an introduction to computer software and skills used in the business of the arts for visual arts students. Each technology exercise will include two-dimensional design exercises with specific formal design problems to be solved. Content will include learning to create an exhibit poster, a digital portfolio, a CD cover, and other digital presentations of artwork. PREREQUISITE: None

Title: Vocal Perf 2

Course Number: 459911CW

Unit Credit: 1

Grade Level: 9 - 12

This group is an auditioned, small, advanced ensemble that can be configured to meet the needs of the school (Example: Men's Group, Women's Group, Advanced Mixed Group, etc.). This course is a continuation of previous vocal studies. It is an advanced emphasis on the development and mastery of sound vocal techniques, comprehensive musicianship and vocal independence. It is a supplementary experience for advanced chorus students with superior vocal talents. Students study a wide variety of music including: Renaissance, vocal jazz, contemporary and popular music, as well as traditional standard choral repertoire. They continue to practice proper tone quality production, music reading, sight-singing, ear training, and vocal flexibility as related to the style performed. In addition, students will also create and demonstrate choreography for selected repertoire. After school rehearsals and performances are part of this course and are considered an extension of the classroom. PREREQUISITE: Chorus 1 and teacher recommendation

Title: Orchestra/Strings 6 H

Course Number: 459912HW

Unit Credit: 1

Grade Level: 9 - 12

This class is designed for students who are advanced and experienced in playing violin, viola, cello, or bass. Students must have completed four or more years of prior high school strings instruction. Focus is on solo and ensemble development in orchestral literature. Students in this course will be required to work with more intensity, at a deeper level, and produce a wider range of more difficult and complex material. PREREQUISITE: Any fifth level Instrumental Music course and Instructor Approval

Title: Crafts 2

Course Number: 459913CW

Unit Credit: 1

Grade Level: 9 - 12

This is a second-level crafts course for individual exploration of one specific crafts area. An intensive investigation of the historical and cultural aspects as well as the technical processes and materials in a crafts area are stressed. A sketchbook and periodic critiques are required. Crafts 2 areas include but are not limited to sculpture, jewelry making, and ceramics. PREREQUISITE: Crafts 1

Title: Orchestra/Strings 7 H

Course Number: 459913HW

Unit Credit: 1

Grade Level: 9 - 12

This class is designed for students who are advanced and experienced in playing violin, viola, cello, or bass. Students must have completed four or more years of prior high school strings instruction. Focus is on solo and ensemble development in orchestral literature. Students in this course will be required to work with more intensity, at a deeper level, and produce a wider range of more difficult and complex material. PREREQUISITE: Any sixth level Instrumental Music course and Instructor Approval

Title: Orchestra/Strings 8 H

Course Number: 459914HW

Unit Credit: 1

Grade Level: 9 - 12

This class is designed for students who are advanced and experienced in playing violin, viola, cello, or bass. Students must have completed four or more years of prior high school strings instruction. Focus is on solo and ensemble development in orchestral literature. Students in this course will be required to work with more intensity, at a deeper level, and produce a wider range of more difficult and complex material. PREREQUISITE: Any seventh level Instrumental Music course and Instructor Approval

Title: Chorus Ens 4 H

Course Number: 459915HW

Unit Credit: 1

Grade Level: 9 - 12

This class is designed to be an auditioned, large, mixed-ensemble group that performs at the intermediate level. This course is a supplementary experience for advanced chorus students with superior vocal talents. Students study a wide variety of music including: Renaissance, vocal jazz, contemporary and popular music, as well as traditional standard choral repertoire. They continue to practice proper tone quality production, music reading, sight-singing, ear training, and vocal flexibility as related to the style performed. In addition, students will also create and demonstrate choreography for selected repertoire. After school rehearsals and performances are part of the course and are considered an extension of the classroom. PREREQUISITE: Chorus 1 and Teacher Recommendation

Title: Vocal Perf 3 H

Course Number: 459927HW

Unit Credit: 1

Grade Level: 9 - 12

This group is an auditioned, small, advanced ensemble that can be configured to meet the needs of the school (Example: Men's Group, Women's Group, Advanced Mixed Group, etc.). This course is a continuation of previous vocal studies. It is an advanced emphasis on the development and mastery of sound vocal techniques, comprehensive musicianship and vocal independence. It is a supplementary experience for advanced chorus students with superior vocal talents. Students study a wide variety of music including: Renaissance, vocal jazz, contemporary and popular music, as well as traditional standard choral repertoire. They continue to practice proper tone quality production, music reading, sight-singing, ear training, and vocal flexibility as related to the style performed. In addition, students will also create and demonstrate choreography for selected repertoire. After school rehearsals and performances are part of this course and are considered an extension of the classroom. PREREQUISITE: Chorus 1 and Instructor approval

Title: Vocal Perf 4 H

Course Number: 459939HW

Unit Credit: 1

Grade Level: 9 - 12

This group is an auditioned, small, advanced ensemble that can be configured to meet the needs of the school (Example: Men's Group, Women's Group, Advanced Mixed Group, etc.). This course is a continuation of previous vocal studies. It is an advanced emphasis on the development and mastery of sound vocal techniques, comprehensive musicianship and vocal independence. It is a supplementary experience for advanced chorus students with superior vocal talents. Students study a wide variety of music including: Renaissance, vocal jazz, contemporary and popular music, as well as traditional standard choral repertoire. They continue to practice proper tone quality production, music reading, sight-singing, ear training, and vocal flexibility as related to the style performed. In addition, students will also create and demonstrate choreography for selected repertoire. After school rehearsals and performances are part of this course and are considered an extension of the classroom. PREREQUISITE: Chorus 1 and Instructor approval

Title: Play Production

Course Number: 459977CW

Unit Credit: 1

Grade Level: 9 - 12

Students will develop basic design skills and techniques for the stage. Areas such as makeup, costume, set design and construction, lighting, sound publicity, and stage management will be studied. Student activities will include support of Drama department productions. Attendance at performances may be mandatory. PREREQUISITE: Instructor approval

Title: Chorus Ens 2

Course Number: 459983CW

Unit Credit: 1

Grade Level: 9 - 12

This class is designed to be an auditioned, large, mixed-ensemble group that performs at the intermediate level. This course is a supplementary experience for advanced chorus students with superior vocal talents. Students study a wide variety of music including: Renaissance, vocal jazz, contemporary and popular music, as well as traditional standard choral repertoire. They continue to practice proper tone quality production, music reading, sight-singing, ear training, and vocal flexibility as related to the style performed. In addition, students will also create and demonstrate choreography for selected repertoire. After school rehearsals and performances are part of the course and are considered an extension of the classroom. PREREQUISITE: Chorus 1 and Teacher Recommendation

Title: Art 1 Honors

Course Number: 459999HW

Unit Credit: 1

Grade Level: 8 - 12

Art I Honors is an advanced study of the elements and principles of art that integrates a study of art history and art criticism while building on a student's art knowledge and skills. Each assignment relates to movements or artists from art history and is a problem-solving exercise that explores various mediums and ideas. Through personal exploration of mediums, individual research, working through visual problems in a sketchbook, and creating works as both individuals and as teams, students will enhance their abilities in strong composition, techniques, and processes as they build a portfolio that exhibits growth within their work.

Title: Percussion 2

Course Number: 4599A2CW

Unit Credit: 1

Grade Level: 9 - 12

Students will learn fundamentals of playing marching percussion, concert percussion, mallets, drum set, auxiliary percussion and world percussion. Instruction will focus on correct playing techniques, developing sight reading skills and preparing for large scale performances. Students enrolled in any level of Percussion will be expected to participate in rehearsals and performances outside of the regular school day. Prerequisite: Percussion 1, audition or high school band director's approval.

Title: Percussion 3 (H)

Course Number: 4599A3HW

Unit Credit: 1

Grade Level: 9 - 12

Students will learn fundamentals of playing marching percussion, concert percussion, mallets, drum set, auxiliary percussion and world percussion. Instruction will focus on correct playing techniques, developing sight reading skills and preparing for large scale performances. Students enrolled in any level of Percussion will be expected to participate in rehearsals and performances outside of the regular school day. Prerequisite: Percussion 2, audition or high school band director's approval.

Title: Percussion 4 (H)

Course Number: 4599A4HW

Unit Credit: 1

Grade Level: 9 - 12

Students will learn fundamentals of playing marching percussion, concert percussion, mallets, drum set, auxiliary percussion and world percussion. Instruction will focus on correct playing techniques, developing sight reading skills and preparing for large scale performances. Students enrolled in any level of Percussion will be expected to participate in rehearsals and performances outside of the regular school day. Prerequisite: Percussion 3H, audition or high school band director's approval.

Title: Percussion 5 (H)

Course Number: 4599A5HW

Unit Credit: 1

Grade Level: 9 - 12

Students will learn fundamentals of playing marching percussion, concert percussion, mallets, drum set, auxiliary percussion and world percussion. Instruction will focus on correct playing techniques, developing sight reading skills and preparing for large scale performances. Students enrolled in any level of Percussion will be expected to participate in rehearsals and performances outside of the regular school day. Prerequisite: Percussion 4H, audition or high school band director's approval.

Title: Percussion 6 (H)

Course Number: 4599A6HW

Unit Credit: 1

Grade Level: 9 - 12

Students will learn fundamentals of playing marching percussion, concert percussion, mallets, drum set, auxiliary percussion and world percussion. Instruction will focus on correct playing techniques, developing sight reading skills and preparing for large scale performances. Students enrolled in any level of Percussion will be expected to participate in rehearsals and performances outside of the regular school day. Prerequisite: Percussion 5H, audition or high school band director's approval.

Title: Percussion 7 (H)

Course Number: 4599A7HW

Unit Credit: 1

Grade Level: 9 - 12

Students will learn fundamentals of playing marching percussion, concert percussion, mallets, drum set, auxiliary percussion and world percussion. Instruction will focus on correct playing techniques, developing sight reading skills and preparing for large scale performances. Students enrolled in any level of Percussion will be expected to participate in rehearsals and performances outside of the regular school day. Prerequisite: Percussion 6H, audition or high school band director's approval.

Title: Percussion 8 (H)

Course Number: 4599A8HW

Unit Credit: 1

Grade Level: 9 - 12

Students will learn fundamentals of playing marching percussion, concert percussion, mallets, drum set, auxiliary percussion and world percussion. Instruction will focus on correct playing techniques, developing sight reading skills and preparing for large scale performances. Students enrolled in any level of Percussion will be expected to participate in rehearsals and performances outside of the regular school day. Prerequisite: Percussion 7H, audition or high school band director's approval.

Title: Theatre 5 (H)

Course Number: 4599A9HW

Unit Credit: 1

Grade Level: 9 - 12

In this course the student will study and analyze plays of representative playwrights† from Shakespeare through twentieth century writers. Contemporary plays will be studied and produced. Advanced acting and technical techniques will be studied and applied in a production. Each participant will work as actor,† director,† and technician.† Students in this course will be required to work with more intensity,† at a deeper level,† and produce/perform a range of more difficult material.† PREREQUISITE:† Drama 4 H and Instructor approval

Title: Theatre 6 (H)

Course Number: 4599B1HW

Unit Credit: 1

Grade Level: 9 - 12

In this course the student will study and analyze plays of representative playwrights† from Shakespeare through twentieth century writers. Contemporary plays will be studied and produced. Advanced acting and technical techniques will be studied and applied in a production. Each participant will work as actor,† director,† and technician.† Students in this course will be required to work with more intensity,† at a deeper level,† and produce/perform a range of more difficult material.† PREREQUISITE:† Drama 5 H and Instructor approval

Title: Theatre 7(H)

Course Number: 4599B2HW

Unit Credit: 1

Grade Level: 9 - 12

In this course the student will study and analyze plays of representative playwrights† from Shakespeare through twentieth century writers. Contemporary plays will be studied and produced. Advanced acting and technical techniques will be studied and applied in a production. Each participant will work as actor,† director,† and technician.† Students in this course will be required to work with more intensity,† at a deeper level,† and produce/perform a range of more difficult material.† PREREQUISITE:† Drama 6 H and Instructor approval

Title: Theatre 8(H)

Course Number: 4599B3HW

Unit Credit: 1

Grade Level: 9 - 12

In this course the student will study and analyze plays of representative playwrights† from Shakespeare through twentieth century writers. Contemporary plays will be studied and produced. Advanced acting and technical techniques will be studied and applied in a production. Each participant will work as actor,† director,† and technician.† Students in this course will be required to work with more intensity,† at a deeper level,† and produce/perform a range of more difficult material.† PREREQUISITE:† Drama 7 H and Instructor approval

Title: ColorGuard 1

Course Number: 4599C1CW

Unit Credit: 1

Grade Level: 9 - 12

Students will learn skills utilized in color guard that include: movement basics, equipment basics on flag and rifle, dance technique, performance observation and analysis, basic design and choreography. Students enrolled in any level of Color Guard will also be expected to participate in rehearsals and performances outside of the regular school day. Prerequisite: Audition or high school band director's approval

Title: ColorGuard 2

Course Number: 4599C2CW

Unit Credit: 1

Grade Level: 9 - 12

Students will learn skills utilized in color guard that include: movement basics, equipment basics on flag and rifle, dance technique, performance observation and analysis, basic design and choreography. Students enrolled in any level of Color Guard will also be expected to participate in rehearsals and performances outside of the regular school day. Prerequisite: Color Guard 1, audition or high school band director's approval

Title: ColorGuard 3 (H)

Course Number: 4599C3HW

Unit Credit: 1

Grade Level: 9 - 12

Students will learn skills utilized in color guard that include: movement basics, equipment basics on flag and rifle, dance technique, performance observation and analysis, basic design and choreography. Students enrolled in any level of Color Guard will also be expected to participate in rehearsals and performances outside of the regular school day. Prerequisite: Color Guard 2, audition or high school band director's approval

Title: Color Guard 4 (H)

Course Number: 4599C4HW

Unit Credit: 1

Grade Level: 9 - 12

Students will learn skills utilized in color guard that include: movement basics, equipment basics on flag and rifle, dance technique, performance observation and analysis, basic design and choreography. Students enrolled in any level of Color Guard will also be expected to participate in rehearsals and performances outside of the regular school day. Prerequisite: Color Guard 3H, audition or high school band director's approval

Title: ColorGuard 5 (H)

Course Number: 4599C5HW

Unit Credit: 1

Grade Level: 9 - 12

Students will learn skills utilized in color guard that include: movement basics, equipment basics on flag and rifle, dance technique, performance observation and analysis, basic design and choreography. Students enrolled in any level of Color Guard will also be expected to participate in rehearsals and performances outside of the regular school day. Prerequisite: Color Guard 4H, audition or high school band director's approval

Title: ColorGuard 6 (H)

Course Number: 4599C6HW

Unit Credit: 1

Grade Level: 9 - 12

Students will learn skills utilized in color guard that include: movement basics, equipment basics on flag and rifle, dance technique, performance observation and analysis, basic design and choreography. Students enrolled in any level of Color Guard will also be expected to participate in rehearsals and performances outside of the regular school day. Prerequisite: Color Guard 5H, audition or high school band director's approval

Title: ColorGuard 7 (H)

Course Number: 4599C7HW

Unit Credit: 1

Grade Level: 9 - 12

Students will learn skills utilized in color guard that include: movement basics, equipment basics on flag and rifle, dance technique, performance observation and analysis, basic design and choreography. Students enrolled in any level of Color Guard will also be expected to participate in rehearsals and performances outside of the regular school day. Prerequisite: Color Guard 6H, audition or high school band director's approval

Title: Chorus 7 Honors

Course Number: 4599D0HW

Unit Credit: 1

Grade Level: 9 - 12

This is a non-auditioned course open to all students. This course emphasizes the development of basic vocal techniques and skills including: good posture, tone quality, breath support, diction, and attack and release. Attention is given to the understanding and practice of basic elements of music including music reading skills. Students may have the opportunity to sing in foreign languages while studying a variety of styles of choral music. Vocal independence is emphasized in the performance opportunities that will be given. This is considered a beginning level class and students can audition for advanced choral classes in the future. Prerequisite: Chorus 6 or Chorus 6 H

Title: Chorus Ensemble 5 Honors

Course Number: 4599D1HW

Unit Credit: 1

Grade Level: 9 - 12

This class is designed to be an auditioned, large, mixed-ensemble group that performs at the intermediate level. This course is a supplementary experience for advanced chorus students with superior vocal talents. Students study a wide variety of music including: Renaissance, vocal jazz, contemporary and popular music, as well as traditional standard choral repertoire. They continue to practice proper tone quality production, music reading, sight-singing, ear training, and vocal flexibility as related to the style performed. In addition, students will also create and demonstrate choreography for selected repertoire. After school rehearsals and performances are part of the course and are considered an extension of the classroom. Prerequisite: Chorus 1 and Teacher Recommendation

Title: Chorus Ensemble 6 Honors

Course Number: 4599D2HW

Unit Credit: 1

Grade Level: 9 - 12

This class is designed to be an auditioned, large, mixed-ensemble group that performs at the intermediate level. This course is a supplementary experience for advanced chorus students with superior vocal talents. Students study a wide variety of music including: Renaissance, vocal jazz, contemporary and popular music, as well as traditional standard choral repertoire. They continue to practice proper tone quality production, music reading, sight-singing, ear training, and vocal flexibility as related to the style performed. In addition, students will also create and demonstrate choreography for selected repertoire. After school rehearsals and performances are part of the course and are considered an extension of the classroom. Prerequisite: Chorus 1 and Teacher Recommendation

Title: Chorus Ensemble 7 Honors

Course Number: 4599D3HW

Unit Credit: 1

Grade Level: 9 - 12

This class is designed to be an auditioned, large, mixed-ensemble group that performs at the intermediate level. This course is a supplementary experience for advanced chorus students with superior vocal talents. Students study a wide variety of music including: Renaissance, vocal jazz, contemporary and popular music, as well as traditional standard choral repertoire. They continue to practice proper tone quality production, music reading, sight-singing, ear training, and vocal flexibility as related to the style performed. In addition, students will also create and demonstrate choreography for selected repertoire. After school rehearsals and performances are part of the course and are considered an extension of the classroom. Prerequisite: Chorus 1 and Teacher Recommendation

Title: Chorus Ensemble 8 Honors

Course Number: 4599D4HW

Unit Credit: 1

Grade Level: 9 - 12

This class is designed to be an auditioned, large, mixed-ensemble group that performs at the intermediate level. This course is a supplementary experience for advanced chorus students with superior vocal talents. Students study a wide variety of music including: Renaissance, vocal jazz, contemporary and popular music, as well as traditional standard choral repertoire. They continue to practice proper tone quality production, music reading, sight-singing, ear training, and vocal flexibility as related to the style performed. In addition, students will also create and demonstrate choreography for selected repertoire. After school rehearsals and performances are part of the course and are considered an extension of the classroom. Prerequisite: Chorus 1 and Teacher Recommendation

Title: Vocal Performance 5 Honors

Course Number: 4599D6HW

Unit Credit: 1

Grade Level: 9 - 12

This group is an auditioned, small, advanced ensemble that can be configured to meet the needs of the school (Example: Men's Group, Women's Group, Advanced Mixed Group, etc.). This course is a continuation of previous vocal studies. It is an advanced emphasis on the development and mastery of sound vocal techniques, comprehensive musicianship and vocal independence. It is a supplementary experience for advanced chorus students with superior vocal talents.† Students study a wide variety of music including:† Renaissance, vocal jazz, contemporary and popular music, as well as traditional standard choral repertoire.† They continue to practice proper tone quality production, music reading, sight-singing, ear training, and vocal flexibility as related to the style performed.† In addition, students will also create and demonstrate choreography for selected repertoire. After school rehearsals and performances are part of this course and are considered an extension of the classroom. Prerequisite: Chorus 1 and Teacher Recommendation

Title: Vocal Performance 6 Honors

Course Number: 4599D7HW

Unit Credit: 1

Grade Level: 9 - 12

This group is an auditioned, small, advanced ensemble that can be configured to meet the needs of the school (Example: Men's Group, Women's Group, Advanced Mixed Group, etc.). This course is a continuation of previous vocal studies. It is an advanced emphasis on the development and mastery of sound vocal techniques, comprehensive musicianship and vocal independence. It is a supplementary experience for advanced chorus students with superior vocal talents.† Students study a wide variety of music including:† Renaissance, vocal jazz, contemporary and popular music, as well as traditional standard choral repertoire.† They continue to practice proper tone quality production, music reading, sight-singing, ear training, and vocal flexibility as related to the style performed.† In addition, students will also create and demonstrate choreography for selected repertoire. After school rehearsals and performances are part of this course and are considered an extension of the classroom. Prerequisite: Chorus 1 and Teacher Recommendation

Title: Vocal Performance 7 Honors

Course Number: 4599D8HW

Unit Credit: 1

Grade Level: 9 - 12

This group is an auditioned, small, advanced ensemble that can be configured to meet the needs of the school (Example: Men's Group, Women's Group, Advanced Mixed Group, etc.). This course is a continuation of previous vocal studies. It is an advanced emphasis on the development and mastery of sound vocal techniques, comprehensive musicianship and vocal independence. It is a supplementary experience for advanced chorus students with superior vocal talents.† Students study a wide variety of music including:† Renaissance, vocal jazz, contemporary and popular music, as well as traditional standard choral repertoire.† They continue to practice proper tone quality production, music reading, sight-singing, ear training, and vocal flexibility as related to the style performed.† In addition, students will also create and demonstrate choreography for selected repertoire. After school rehearsals and performances are part of this course and are considered an extension of the classroom. Prerequisite: Chorus 1 and Teacher Recommendation

Title: Vocal Performance 8 Honors

Course Number: 4599D9HW

Unit Credit: 1

Grade Level: 9 - 12

This group is an auditioned, small, advanced ensemble that can be configured to meet the needs of the school (Example: Men's Group, Women's Group, Advanced Mixed Group, etc.). This course is a continuation of previous vocal studies. It is an advanced emphasis on the development and mastery of sound vocal techniques, comprehensive musicianship and vocal independence. It is a supplementary experience for advanced chorus students with superior vocal talents.† Students study a wide variety of music including:† Renaissance, vocal jazz, contemporary and popular music, as well as traditional standard choral repertoire.† They continue to practice proper tone quality production, music reading, sight-singing, ear training, and vocal flexibility as related to the style performed.† In addition, students will also create and demonstrate choreography for selected repertoire. After school rehearsals and performances are part of this course and are considered an extension of the classroom. Prerequisite: Chorus 1 and Teacher Recommendation

Title: Chorus 8 Honors

Course Number: 4599E1HW

Unit Credit: 1

Grade Level: 9 - 12

This is a non-auditioned course open to all students. This course emphasizes the development of basic vocal techniques and skills including: good posture, tone quality, breath support, diction, and attack and release. Attention is given to the understanding and practice of basic elements of music including music reading skills. Students may have the opportunity to sing in foreign languages while studying a variety of styles of choral music. Vocal independence is emphasized in the performance opportunities that will be given. This is considered a beginning level class and students can audition for advanced choral classes in the future. Prerequisite: Chorus 7 or Chorus 7 H

Foreign Language

Title: French 1 CP

Course Number: 361107CW

Unit Credit: 1

Grade Level: 7 - 12

This course prepares students to: perform interpersonal, interpretive and presentational communicative tasks within the novice high to intermediate low range on the ACTFL Proficiency scale; interpret, exchange, and present, information, concepts and ideas both within the classroom and beyond on a variety of topics including connections to other subject areas; and understand the relationship among the products, practices and perspectives of other cultures. In addition, students develop insight into their own language and culture.

PREREQUISITES: None

Title: French 2 CP

Course Number: 361207CW

Unit Credit: 1

Grade Level: 8 - 12

This course prepares students to: perform interpersonal, interpretive and presentational communicative tasks within the novice high to intermediate low range on the ACTFL Proficiency scale; interpret, exchange, and present, information, concepts and ideas both within the classroom and beyond on a variety of topics including connections to other subject areas; and understand the relationship among the products, practices and perspectives of other cultures. In addition, students develop insight into their own language and culture.

PREREQUISITES: Successful completion of French 1

Title: French 2 (H)

Course Number: 361207HW

Unit Credit: 1

Grade Level: 9 - 12

French II Honors prepares students to: perform interpersonal, interpretive and presentational communicative tasks within the novice high to intermediate low range on the ACTFL Proficiency scale? interpret, exchange, and present, information, concepts and ideas both within the classroom and beyond on a variety of topics including connections to other subject areas? and understand the relationship among the products, practices and perspectives of other cultures. In addition, students develop insight into their own language and culture.

Title: French 3 H

Course Number: 361303HW

Unit Credit: 1

Grade Level: 9 - 12

This course prepares students to: perform interpersonal, interpretive and presentational communicative tasks within the intermediate mid to high range on the ACTFL Proficiency scale; interpret, exchange, and present, information, concepts and ideas both within the classroom and beyond on a variety of topics including connections to other subject areas; and understand the relationship among the products, practices and perspectives of other cultures. In addition, students develop insight into their own language and culture. PREREQUISITES: Successful completion of French 2 CP and teacher recommendation

Title: French 3 CP

Course Number: 361307CW

Unit Credit: 1

Grade Level: 9 - 12

This course prepares students to: perform interpersonal, interpretive and presentational communicative tasks within the intermediate mid to high on the ACTFL Proficiency scale; interpret, exchange, and present, information, concepts and ideas both within the classroom and beyond on a variety of topics including connections to other subject areas; and understand the relationship among the products, practices and perspectives of other cultures. In addition, students develop insight into their own language and culture. PREREQUISITES: Successful completion of French 2

Title: French 4 H

Course Number: 361403HW

Unit Credit: 1

Grade Level: 9 - 12

This course prepares students to: perform interpersonal, interpretive and presentational communicative tasks within the intermediate mid to high range on the ACTFL Proficiency scale; interpret, exchange, and present, information, concepts and ideas both within the classroom and beyond on a variety of topics including connections to other subject areas; and understand the relationship among the products, practices and perspectives of other cultures. In addition, students develop insight into their own language and culture. PREREQUISITES: Successful completion of French 3 Honors and teacher recommendation

Title: Intermediate French I (FRE 201)

Course Number: 361900EW

Unit Credit: 1

Grade Level: 9 - 12

This course continues the development of basic language skills and includes a study of French culture. This course counts as an elective.

Prerequisite: Elementary French II

Title: Intermediate French II (FRE 202)

Course Number: 362000EW

Unit Credit: 1

Grade Level: 9 - 12

This course continues the review of French grammar with attention given to more complex grammatical structures and reading more difficult prose. This course counts as an elective. Prerequisite: Intermediate French I

Title: Spanish 1 CP

Course Number: 365107CW

Unit Credit: 1

Grade Level: 7 - 12

This course prepares students to: perform interpersonal, interpretive and presentational communicative tasks within the novice high to intermediate low range on the ACTFL Proficiency scale; interpret, exchange, and present, information, concepts and ideas both within the classroom and beyond on a variety of topics including connections to other subject areas; and understand the relationship among the products, practices and perspectives of other cultures. In addition, students develop insight into their own language and culture.

PREREQUISITES: None

Title: Spanish 2 CP

Course Number: 365207CW

Unit Credit: 1

Grade Level: 8 - 12

This course prepares students to: perform interpersonal, interpretive and presentational communicative tasks within the novice high to intermediate low range on the ACTFL Proficiency scale; interpret, exchange, and present information, concepts and ideas both within the classroom and beyond on a variety of topics including connections to other subject areas; and understand the relationship among the products, practices and perspectives of other cultures. In addition, students develop insight into their own language and culture.

PREREQUISITES: Successful completion of Spanish 1

Title: Spanish 2 Honors

Course Number: 365274HW

Unit Credit: 1

Grade Level: 8 - 12

Spanish 2 Honors prepares students to perform interpersonal, interpretive and presentational communicative tasks within the novice high to intermediate low range on the ACTFL Proficiency scale; interpret, exchange, and present information, concepts and ideas both within the classroom and beyond on a variety of topics including connections to other subject areas; and understand the relationship among the products, practices and perspectives of other cultures. In addition, students develop insight into their own language and culture.

Title: Spanish 3 H

Course Number: 365303HW

Unit Credit: 1

Grade Level: 9 - 12

This course prepares students to: perform interpersonal, interpretive and presentational communicative tasks within the intermediate mid to high range on the ACTFL Proficiency scale; interpret, exchange, and present, information, concepts and ideas both within the classroom and beyond on a variety of topics including connections to other subject areas; and understand the relationship among the products, practices and perspectives of other cultures. In addition, students develop insight into their own language and culture. PREREQUISITES: Successful completion of Spanish 2 CP and teacher recommendation

Title: Spanish 3 CP

Course Number: 365307CW

Unit Credit: 1

Grade Level: 9 - 12

This course prepares students to: perform interpersonal, interpretive and presentational communicative tasks within the intermediate mid to high on the ACTFL Proficiency scale; interpret, exchange, and present, information, concepts and ideas both within the classroom and beyond on a variety of topics including connections to other subject areas; and understand the relationship among the products, practices and perspectives of other cultures. In addition, students develop insight into their own language and culture. PREREQUISITES: Successful completion of Spanish 2

Title: Spanish 4 H

Course Number: 365403HW

Unit Credit: 1

Grade Level: 9 - 12

This course prepares students to: perform interpersonal, interpretive and presentational communicative tasks within the intermediate mid to high range on the ACTFL Proficiency scale; interpret, exchange, and present, information, concepts and ideas both within the classroom and beyond on a variety of topics including connections to other subject areas; and understand the relationship among the products, practices and perspectives of other cultures. In addition, students develop insight into their own language and culture. PREREQUISITES: Successful completion of Spanish 3 Honors and teacher recommendation

Title: Spanish 4 CP

Course Number: 365407CW

Unit Credit: 1

Grade Level: 9 - 12

This course prepares students to: perform interpersonal, interpretive and presentational communicative tasks within the intermediate high range on the ACTFL Proficiency scale; interpret, exchange, and present, information, concepts and ideas both within the classroom and beyond on a variety of topics including connections to other subject areas; and understand the relationship among the products, practices and perspectives of other cultures. In addition, students develop insight into their own language and culture. PREREQUISITES: Successful completion of Spanish 3

Title: Spanish 5 H

Course Number: 365515HW

Unit Credit: 1

Grade Level: 9 - 12

This course prepares students to: perform interpersonal, interpretive and presentational communicative tasks within the intermediate mid to high range on the ACTFL Proficiency scale; interpret, exchange, and present, information, concepts and ideas both within the classroom and beyond on a variety of topics including connections to other subject areas; and understand the relationship among the products, practices and perspectives. In addition, students develop insight into their own language and culture. PREREQUISITES: Successful completion of Spanish 4 Honors and teacher recommendation

Title: AP French Language

Course Number: 367105AW

Unit Credit: 1

Grade Level: 9 - 12

This course prepares students to: perform interpersonal, interpretive and presentational communicative tasks within the intermediate high to advanced low range on the ACTFL Proficiency scale. Students in the AP Language and Culture course demonstrate an understanding of the culture(s), incorporate interdisciplinary topics (Connections), make comparisons between the native language and the target language and between cultures (Comparisons), and use the target language in real-life settings (Communities). Students are required to take the corresponding AP exam in May. PREREQUISITE: Successful completion of German 4 Honors and teacher recommendation ; IB schools refer to IB Matriculation Chart

Title: AP Spanish Language

Course Number: 367505AW

Unit Credit: 1

Grade Level: 9 - 12

This course prepares students to: perform interpersonal, interpretive and presentational communicative tasks within the intermediate high to advanced low range on the ACTFL Proficiency scale. Students in the AP Language and Culture course demonstrate an understanding of the culture(s), incorporate interdisciplinary topics (Connections), make comparisons between the native language and the target language and between cultures (Comparisons), and use the target language in real-life settings (Communities). Students are required to take the corresponding AP exam in May. PREREQUISITE: Successful completion of Spanish 4 Honors and teacher recommendation ; IB schools refer to IB Matriculation Chart

Physical Education

Title: Physical Education 1

Course Number: 344101CW

Unit Credit: 1

Grade Level: 8 - 12

Physical Education 1 provides opportunities for students to become competent and proficient in two movement forms elected from a variety of choices (selected from: net/racket, target, team, outdoor pursuits, individual, and dance). Students will also be able to design and develop a personalized physical fitness program, participate regularly in health-enhancing physical activity beyond the physical education class, and meet the gender and age group health-related physical fitness standards. PE 1 is required for graduation. PREREQUISITE: None

Title: Weightlifting 1

Course Number: 3499A1CW

Unit Credit: 1

Grade Level: 9 - 12

This is an introductory elective course in weight training and fitness. Skills will be taught with a focus on weight training, related cardiovascular fitness activity, and lifelong fitness. Proper lifting technique and safety using weights will be emphasized. This course does not take the place of PE 1 as a requirement for graduation. PREREQUISITE: Physical Education 1A

Title: Weightlifting 2

Course Number: 3499A2CW

Unit Credit: 1

Grade Level: 9 - 12

Weightlifting Level 1 and Instructor Approval

Title: Weightlifting 3

Course Number: 3499A3CH

Unit Credit: 0.5

Grade Level: 9 - 12

This elective course is a follow-up to the Weightlifting Level 2 for students who are interested in increasing their strength and skills in weightlifting. This course does not take the place of PE 1 as a requirement for graduation. PREREQUISITE: Weightlifting 2 and Instructor Approval

Title: Weightlifting 3

Course Number: 3499A3CW

Unit Credit: 1

Grade Level: 9 - 12

This elective course is a follow-up to the Weightlifting Level 2 for students who are interested in increasing their strength and skills in weightlifting. This course does not take the place of PE 1 as a requirement for graduation. PREREQUISITE: Weightlifting 2 and Instructor Approval

Title: Adv Weightlifting 1

Course Number: 3499A4CW

Unit Credit: 1

Grade Level: 9 - 12

This elective course is designed to enhance speed, conditioning, strength, and endurance for the beginning athlete. This course does not take the place of the required PE 1 for graduation. PREREQUISITE: PE 1 and teacher recommendation

Title: Adv Weightlifting 2

Course Number: 3499A5CW

Unit Credit: 1

Grade Level: 9 - 12

This elective course is a follow-up to Advanced Weightlifting Level 1 for the intermediate athlete who wishes to increase his/her speed, conditioning, strength, and endurance. This course does not take the place of the required PE 1 for graduation. PREREQUISITE: Advanced Weightlifting Level 1, and teacher recommendation.

Title: Adv Weightlifting 3

Course Number: 3499A6CW

Unit Credit: 1

Grade Level: 9 - 12

This elective course is a follow-up to Advanced Weightlifting Level 2 for the intermediate athlete who wishes to increase his/her speed, conditioning, strength, and endurance. This course does not take the place of the required PE 1 for graduation. PREREQUISITE: Advanced Weightlifting Level 2, and teacher recommendation.

Title: Team Sports 1

Course Number: 3499B3CH

Unit Credit: 0.5

Grade Level: 9 - 12

This elective course is designed to enhance the skills necessary to compete in a variety of athletic events on the high school level. This course does not take the place of the required PE 1 for graduation. PREREQUISITE: PE 1 and teacher recommendation.

Title: Team Sports 1

Course Number: 3499B3CW

Unit Credit: 1

Grade Level: 9 - 12

This elective course is designed to enhance the skills necessary to compete in a variety of athletic events on the high school level. This course does not take the place of the required PE 1 for graduation. PREREQUISITE: PE 1 and teacher recommendation.

Title: Team Sports 2

Course Number: 3499B4CW

Unit Credit: 1

Grade Level: 9 - 12

This elective course is a follow-up to Team Sports Level 1 for the student who wishes to increase the skills necessary to compete in a variety of athletic events on the high school level. This course does not take the place of the required PE 1 for graduation. PREREQUISITE: Team Sports Level 1 and teacher recommendation.

Title: Team Sports 3

Course Number: 3499B5CW

Unit Credit: 1

Grade Level: 9 - 12

This elective course is a follow-up to Team Sports Level 2 for the student who wishes to increase the skills necessary to compete in a variety of athletic events on the high school level. This course does not take the place of the required PE 1 for graduation. PREREQUISITE: Team Sports Level 2 and teacher recommendation.

Title: Team Sports 4

Course Number: 3499B6CW

Unit Credit: 1

Grade Level: 9 - 12

This elective course is a follow-up to Team Sports Level 3 for the student who wishes to increase the skills necessary to compete in a variety of athletic events on the high school level. This course does not take the place of the required PE 1 for graduation. PREREQUISITE: Team Sports Level 3 and teacher recommendation.

Career and Technology

Title: Digital Workplace Application

Course Number: 502002CW

Unit Credit: 1

Grade Level: 10 - 12

This course is designed to teach students software applications that are necessary to live and work in a technological society. The applications covered include word processing, database, spreadsheet, and presentation. Other content areas may include computer hardware, terminology, and concepts.

Title: Business Data Applications

Course Number: 502102CW

Unit Credit: 1

Grade Level: 10 - 12

This course of study is designed to teach the student advanced computer concepts as related to processing data into useful information needed in business situations by using advanced database, spreadsheet, word processing, and presentation software capabilities.

Title: Fundamentals of Computing

Course Number: 502305CW

Unit Credit: 1

Grade Level: 8 - 12

This course of study is designed to allow students to explore a variety of computer science topics, such as web design, human computer interactions, programming, and problem solving. Optional topics include mobile applications, robotics, and digital animation. Students will develop critical thinking, logic, and problem solving skills relevant to today's technology.

Title: DigitalMultimedia

Course Number: 503001CW

Unit Credit: 1

Grade Level: 9 - 12

This course covers multimedia concepts and applications utilizing text, graphics, animation, sound, video, and various multimedia applications in the design, development, and creation of multimedia presentations and publications within an interactive environment. Students will create a digital portfolio and other independent projects.

Title: Fundamentals of Web Page Design/Dev

Course Number: 503101CW

Unit Credit: 1

Grade Level: 9 - 12

This course is designed to provide the student with the knowledge and skills needed to design Web pages. Students will develop skills in designing, implementing, and maintaining a Web site using authoring tools. Successful completion of this course will prepare the student to take industry certification test(s). This course will meet the computer science requirement.

Title: Social Media Marketing

Course Number: 5034A1CW

Unit Credit: 1

Grade Level: 9 - 12

This course introduces students to the current field of social media and prepares them to explore and 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.

Title: BusinessLaw

Course Number: 504401CW

Unit Credit: 1

Grade Level: 9 - 12

This course is designed to provide the student with knowledge of the legal environment in which a consumer operates, the legal environment in which business operates, and basic legal principles. PREREQUISITE: None

Title: Intro to Computer Programming

Course Number: 505001CW

Unit Credit: 1

Grade Level: 9 - 12

This course of study is designed to emphasize the fundamentals of computer programming. Topics include computer software, program design and development, and practical experience in programming, using modern, object-oriented languages. This course will meet the computer science requirement. PREREQUISITE: Any computer related course, Algebra 1 or equivalent, and/or teacher recommendation.

Title: Intermediate Comp Programming

Course Number: 505101CW

Unit Credit: 1

Grade Level: 9 - 12

This course of study is designed to emphasize the fundamentals of computer programming. Topics include computer software, program design and development, and practical experience in programming, using modern, object-oriented languages. This course will meet the computer science requirement. PREREQUISITE: Computer Program 1 using the same language

Title: Personal Finance

Course Number: 513101CW

Unit Credit: 1

Grade Level: 9 - 12

This course is designed to introduce the student to basic financial literacy skills which includes budgeting, obtaining credit, maintaining checking accounts, analyzing the basic elements of finance, computing payroll, recording business transactions, and applying computer operations to financial management. PREREQUISITE: None

Title: Hosp/TourismWkbs1
Unit Credit: 1
Grade Level: 9 - 12
PREREQUISITE: Teacher rec

Course Number: 519001CW

Title: Culinary Management 3
Unit Credit: 2
Grade Level: 9 - 12

Course Number: 519902CD

Culinary Arts Management3 expands upon the skills learned in Culinary Arts 1 and 2. Students will refine skills in cuisines, culinary basics, culinary mathematics, dining room operations, food production techniques, food service management, menus, nutrition, professionalism, recipes, safety and sanitation, and sustainability. Students will begin preparing for an advanced workplace certification such as Servsafe Manager.

Title: Culinary Management 4
Unit Credit: 2
Grade Level: 9 - 12

Course Number: 519904CD

Culinary Arts Management 4 applies and expands upon the skills learned in Culinary Arts 1, 2 and 3. Students will obtain advanced skills in culinary mathematics, dining room operations, food production techniques, food service management, menus, nutrition, professionalism, recipes, safety and sanitation, and sustainability. Students will obtain an advanced workplace certification such as Servsafe Manager.

Title: Banking Services 1
Unit Credit: 1
Grade Level: 9 - 12

Course Number: 527100CW

This course is designed to offer a unique approach to understanding the banking services. It provides an introduction to banking services and functions, including business of banking, careers in banking and finance, origins and purpose of banking, money and interest, deposits in banking, negotiable instruments, bank loans, mortgages, commercial lending, specialized bank service, promoting the bank, and security and ethics.

Title: Business Finance
Unit Credit: 1
Grade Level: 9 - 12

Course Number: 527300CW

This course is designed to provide students with a foundation in corporate business finance concepts and applications including fundamentals, financial environment, management planning, maintenance and analysis of financial records, long and short term financial activities, financial business activities, financial institutions and banking services, consumer credit, business insurance, technology and financial management, and international finance. **PREREQUISITE:** Accounting 1 recommended

Title: Networking Fundamentals
Unit Credit: 2
Grade Level: 9 - 12

Course Number: 531009CD

Students in the Networking program will perform networking tasks commonly performed by systems administrators, network administrators, network engineers and related careers. Students manage hardware and software network components including IP configuration, setting up wireless and wired networks, managing networks, basic network security, software updates, hardware upgrades and network protocols. Students will learn about configuring and maintaining networks in home and corporate environments. Upon completion of the two courses, students will be prepared to earn nationally-recognized industry certifications.

Title: Advanced Networking
Unit Credit: 2
Grade Level: 10 - 12

Course Number: 531121CD

Students in the Networking program will perform networking tasks commonly performed by systems administrators, network administrators, network engineers and related careers. Students manage hardware and software network components including IP configuration, setting up wireless and wired networks, managing networks, basic network security, software updates, hardware upgrades and network protocols. Students will learn about configuring and maintaining networks in home and corporate environments. Upon completion of the two courses, students will be prepared to earn nationally-recognized industry certifications. One computer per student with Internet access should be available.

Title: Image Editing

Course Number: 534001CW

Unit Credit: 1

Grade Level: 9 - 12

This course is designed to provide the student with the knowledge and skills needed to utilize digital imaging software in editing and designing images and graphics. Students also learn the use of technologies related to digital imaging such as basic computer operations, file sharing across networks, digital scanning, digital photography, and preparing documents for output to various types of media. Successful completion of this course will prepare the student to take industry certification test(s). PREREQUISITE: Fundamentals of Computing or Digital Multimedia and/or any digital literacy course

Title: FoundationsAnimation

Course Number: 535001CW

Unit Credit: 1

Grade Level: 9 - 12

This course teaches students how to model, animate and render with a focus on establishing a working knowledge of animation tools and techniques. The course builds a foundation for developing 3-D computer graphic, animation, modeling, deformations and character animation. Animated Computer Production examines the features of Macromedia's popular Flash software that is becoming the professional standard for producing high-impact websites using movie graphics and sound. Students create and modify movies using objects, graphics, sound, animation, and special effects. They also publish for the web. PREREQUISITE: High School computer science course

Title: Game Design & Development

Course Number: 535201CW

Unit Credit: 1

Grade Level: 9 - 12

Game Design and Development is a course covering major aspects of game design including character and world development, game playing, game genres, and theories and principles 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.

Title: Advanced Cyber Security

Course Number: 537201CW

Unit Credit: 1

Grade Level: 9 - 12

Advanced Cyber Security introduces advanced concepts and terminology of cyber security and information assurance. The course examines how the concept of security integrates into the importance of user involvement, security training, ethics, trust, and best practices management. The advanced skills cover network security, testing, and validation; compliance and operational security; threats and vulnerabilities; application, data, and host security; access control and identity management; cryptography; and a broad range of other topics. This is the second of two sequential courses that prepare the student to take the CompTIA Security+ certification exam

Title: Marketing

Course Number: 542101CW

Unit Credit: 1

Grade Level: 9 - 12

This course introduces marketing concepts and examines the economic, marketing, and business fundamentals, in addition to the marketing functions of selling, promotion, and distribution. The standards listed are core standards and those standards reflecting the needs of the local business community. This is the basic course in the marketing curriculum and should be taken before the specialized courses.

PREREQUISITE: None

Title: Advertising

Course Number: 547001CW

Unit Credit: 1

Grade Level: 9 - 12

This course is designed to introduce the concepts of advertising, planning strategies, communication skills, and professional development.

Course content includes budget development, media selection, design, and the preparation of ads for various media. PREREQUISITE:

Marketing

Title: Logistics/BusProcesses

Course Number: 548200CW

Unit Credit: 1

Grade Level: 9 - 12

This course spans the complete order to cash lifecycle and gives students an overview of the processes involved in order management from its inception to its fulfillment. Students will learn about fundamental logistics concepts and processes including defining items and customers, entering and processing orders, inventory and warehouse operations, shipping and RFID technology, pricing and invoices, and payment processing. PREREQUISITE: Integrated Business Applications (5020)

Title: BusMgmtAdminWk1
Unit Credit: 1
Grade Level: 9 - 12
PREREQUISITE:

Course Number: 549001CW

Title: Medical Terminology (H)
Unit Credit: 1
Grade Level: 10 - 12

Course Number: 554097HW

Medical terminology is designed to develop in the students a working knowledge of the language of medicine. Students acquire word-building skills by learning prefixes, suffixes, roots, and abbreviations. By relating terms to body systems, students identify proper uses of words in a medical environment. Knowledge of medical terminology enhances students' ability to successfully secure employment or pursue advanced education in health care. This course is offered only at a GCS career center. This course may count as honors credit if taken in sequence with other health science courses. See your counselor for more information. **PREREQUISITE:** None

Title: Health Science 1 Honors
Unit Credit: 1
Grade Level: 9 - 12

Course Number: 555000HW

Health Science 1 Honors will introduce students 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 will be introduced to "Standard Precautions" and learn about confidentiality through HIPAA. 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. The skills and knowledge that students learn in Health Science 1 honors serve to prepare them for future clinical experiences such as job shadowing or internships as they advance in the Health Science courses.

Title: Health Science 1
Unit Credit: 1
Grade Level: 9 - 12

Course Number: 555088CW

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 personal health and lifestyle choices.

Title: Health Science 2
Unit Credit: 1
Grade Level: 10 - 12

Course Number: 555189CW

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, units of study that include advanced study of infection control. They will learn about *Transmission Based Precautions* and become more familiar with OSHA, HIPPA, 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 about the stages of life and Maslow's Hierarchy of needs. Students will learn how law and ethics are applied in the healthcare setting. This course will introduce students to basic patient care skills and medical terminology is incorporated throughout the lessons being taught. Basic Pharmacology is introduced and students will have an understanding of pharmacy math computations. Students will be certified in First Aid and CPR in this course. Students in this course should further their knowledge of healthcare careers and future goals by participating in a job shadowing experience. This course provides a foundation for further advancement in Health Science. It is recommended that students should score an 80% or higher in this course to advance to Health Science 3, or Clinical Study.

Title: Health Science 2 Honors
Unit Credit: 1
Grade Level: 9 - 12

Course Number: 555195HW

Health Science 2 Honors 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 Honors 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, HIPPA, and the CDC. Students in Health Science 2 Honors 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. This course will introduce students to basic patient care skills. Medical terminology, medical math and pharmacology are incorporated throughout the lessons being taught.

Title: Health Science 3

Course Number: 555201CW

Unit Credit: 1

Grade Level: 10 - 12

Health Science 3 focuses on the human body. Students will gain knowledge of all human body systems and how they work (Anatomy and Physiology). This course will emphasize the study of disease, prevention and treatment (Pathophysiology). Students will participate in teamwork activities for assigned projects. Medical Terminology is incorporated throughout the course. Skills learned in HS2 will be reinforced as each body system is studied.

Title: Health Science Clinical Studies

Course Number: 556098HW

Unit Credit: 1

Grade Level: 9 - 12

Health Science Clinical Study is a course that guides students to make connections from the classroom to the healthcare industry through work based learning experiences/activities. This course is designed to provide for further development and application of knowledge and skills common to a wide variety of healthcare professions. The students in this course will build on all information and skills presented in the previous required course foundation standards. The students will relay these skills into real life experiences. The student, teachers and work-based learning coordinators will work together to create opportunities for the students to get the best experience available in the districts geographic region. Students in this course should be First-Aid and CPR certified before participating in any healthcare experience outside of the classroom.

Title: Culinary Management 1

Course Number: 572080CD

Unit Credit: 2

Grade Level: 10 - 12

Culinary Arts prepares students for gainful employment and/or entry into postsecondary education in the food production and service industry. Content provides students the opportunity to acquire marketable skills by examining both the industry and its career opportunities. Laboratory experiences simulate commercial food production and service operations. Integration of the Family and Consumer Sciences student organization, Family Career, and Community Leaders of America (FCCLA), greatly enhances this curriculum.

Title: HVAC Tech 1

Course Number: 600301CD

Unit Credit: 2

Grade Level: 10 - 12

HVAC Technology courses offer students specialized training related to the design, installation, and repair of air conditioning systems for residential and commercial use. These courses may emphasize the theory and design of electrical, electronic, mechanical, and pneumatic control systems used in air conditioning systems; they might also (or instead) focus on procedures used in troubleshooting, servicing, and installing components of air conditioning systems.

Title: HVAC Tech 2

Course Number: 600401CD

Unit Credit: 2

Grade Level: 10 - 12

This course is a continuation of HVAC Tech 1. PREREQUISITE: HVAC Tech 1

Title: HVAC Tech 3

Course Number: 600501CD

Unit Credit: 2

Grade Level: 10 - 12

This course is a continuation of HVAC Tech 2. PREREQUISITE: HVAC Tech 2

Title: HVAC Tech 4

Course Number: 600601CD

Unit Credit: 2

Grade Level: 10 - 12

This course is a continuation of HVAC Tech 3. PREREQUISITE: HVAC Tech 3

Title: Auto Coll Tech 1

Course Number: 602006CD

Unit Credit: 2

Grade Level: 10 - 12

The Automotive Collision Repair Technology program is designed to prepare students to repair automobiles and light commercial vehicles under the supervision of an experienced automotive collision repair technician. Automotive collision repair technology students receive instruction in frame alignment, surface finishing, and shop management. This course is offered only at a GCS career center. Student must apply through admission process. See counselor at the high school or the career center for information. PREREQUISITE: Alg 1 or Alg 1 CP Part B

Title: Auto Coll Tech 2 **Course Number:** 602130CD
Unit Credit: 2
Grade Level: 10 - 12
This course is a continuation of Auto Coll Tech 1. PREREQUISITE: Auto Coll Tech 1

Title: Auto Coll Tech 3 **Course Number:** 602230CD
Unit Credit: 2
Grade Level: 10 - 12
This is a continuation of Auto Coll Tech 2. PREREQUISITE: Auto Coll Tech 2

Title: Auto Coll Tech 4 **Course Number:** 602306CD
Unit Credit: 2
Grade Level: 9 - 12
The Automotive Collision Repair Technology program is designed to prepare students to repair automobiles and light commercial vehicles under the supervision of an experienced automotive collision repair technician. Automotive Collision Repair Technology students receive instruction in frame alignment, surface finishing, and shop management. Upon successful completion of the program standards, the student will be prepared for postsecondary education and entry-level automotive collision repair-related careers. Program standards are based on NATEF-ASE, Vehicle Manufacturers, and I-CAR industry standards. Auto Coll Tech 3 is a pre-requisite for this course.

Title: Automotive Tech 1 **Course Number:** 603006CD
Unit Credit: 2
Grade Level: 10 - 12
The Automotive Technology program is designed to prepare students to perform routine maintenance and service on all types of automobiles under the supervision of an experienced automotive technician. Automotive technology students receive instruction in safety, troubleshooting, and repair of engines and electrical systems as a foundation. Special emphasis is given to the established competencies based on the ASE/NATEF task list. This course is offered only at a GCS career center. Student must apply through admission process. See counselor at the high school or the career center for information. PREREQUISITE: Alg 1 or Alg 1 CP Part B

Title: Automotive Tech 3 **Course Number:** 603206CD
Unit Credit: 2
Grade Level: 9 - 12
This program offers a sequence of courses that provides coherent and rigorous content aligned with challenging academic standards and relevant technical knowledge and skills needed to prepare for further education and careers in the Transportation, Distribution and Logistics career cluster. The Automotive Technology program provides technical skill proficiency and includes competency-based applied learning that contributes to the academic knowledge, higher-order reasoning and problem-solving skills, work attitudes, general employability skills, technical skills and occupation-specific skills, and knowledge of all aspects of the Transportation, Distribution and Logistics career cluster. Automotive Tech 2 is a pre-requisite for this course.

Title: Automotive Tech 4 **Course Number:** 603306CD
Unit Credit: 2
Grade Level: 9 - 12
This program offers a sequence of courses that provides coherent and rigorous content aligned with challenging academic standards and relevant technical knowledge and skills needed to prepare for further education and careers in the Transportation, Distribution and Logistics career cluster. The Automotive Technology program provides technical skill proficiency and includes competency-based applied learning that contributes to the academic knowledge, higher-order reasoning and problem-solving skills, work attitudes, general employability skills, technical skills and occupation-specific skills, and knowledge of all aspects of the Transportation, Distribution and Logistics career cluster. Automotive Tech 3 is a pre-requisite for this course.

Title: PLTW Principles of Engineering **Course Number:** 605001CW
Unit Credit: 1
Grade Level: 9 - 12
This course provides hands-on exploratory experiences related to the fields of engineering. A two-student team will complete 8 modules consisting of 20 activities each. This modular setup exposes the student to engineering principles while requiring the students to maintain journals, organize their work, solve problems and complete a design project for each module. This course must be taught by a teacher who has received Project Lead the Way training. This course will meet the required computer science unit. PREREQUISITE: Teacher Rec

Title: PLTW Principles of Engineering Honors

Course Number: 605005HW

Unit Credit: 1

Grade Level: 9 - 12

Principles of Engineering (POE) Honors is a foundational course within the engineering curriculum of Project Lead the Way (PLTW). Course content prepares students for college majors in engineering or engineering technology fields. It is designed for students desiring a background in engineering, sketching and communication, static analysis, electricity and circuits, material testing, programming, machine design, digital handshakes and complex CAD modeling. All PLTW courses offers students the chance to learn through Activity-, Project-, and Problem-Based learning.

Title: PLTW Intro Eng Design

Course Number: 605101CW

Unit Credit: 1

Grade Level: 8 - 12

A course that teaches problem-solving skills using a design development process. Models of product solutions are created, analyzed and communicated using solid modeling computer design software. This setup exposes the student to engineering principles while requiring the students to maintain journals, organize their work, solve problems and complete a design project for each module. This course must be taught by a teacher who has received Project Lead the Way training. PREREQUISITE: Teacher Rec

Title: PLTW-Intro to Engineering Design Honors

Course Number: 605108HW

Unit Credit: 1

Grade Level: 9 - 12

Introduction to Engineering Design (IED) Honors is a foundational courses within the engineering curriculum of Project Lead the Way (PLTW). This course is appropriate for 9th - 10th grade students who are interested in the concepts of engineering and the design process, and may be interested in taking additional PLTW Engineering courses in the future. Course content includes an introduction to the design process, technical sketching, product design, reverse engineering computer-aided design (CAD) modeling, robot design and programming, and virtual teaming. All PLTW courses offers students the chance to learn through Activity-, Project-, and Problem-Based learning.

Title: PLTW Comp Integ Manf H

Course Number: 605301HW

Unit Credit: 1

Grade Level: 9 - 12

This is an honors-level course that applies principles of robotics and automation. CAD design The course builds on computer solid modeling skills developed in Introduction to Engineering Design, and Design and Drawing for Production. Students use CNC equipment to produce actual models of their three-dimensional designs. Fundamental concepts of robotics used in automated manufacturing, and design analysis are included. This course must be taught by a teacher who has received Project Lead the Way training. PREREQUISITE: Successful completion of Introduction to Engineering Design and/or Principles of Engineering or Teacher rec

Title: PLTW Eng Design & Develop H

Course Number: 605401HW

Unit Credit: 1

Grade Level: 9 - 12

This is an honors-level engineering research course in which students work in teams to research, design and construct a solution to an open-ended engineering problem. Students apply principles developed in the four preceding courses and are guided by a community mentor. They must present progress reports, submit a final written report and defend their solutions to a panel of outside reviewers at the end of the school year. This course must be taught by a teacher who has received Project Lead the Way training. PREREQUISITE: Successful completion of Introduction to Engineering Design and/or Principles of Engineering or Teacher rec

Title: PLTW Aerospace Engineering

Course Number: 605602CW

Unit Credit: 1

Grade Level: 9 - 12

Through hands-on engineering projects developed with NASA, students learn about aerodynamics, astronautics, space-life sciences, and systems engineering (which includes the study of intelligent vehicles like the Mars rovers Spirit and Opportunity). This course must be taught by a teacher who has received Project Lead the Way training. PREREQUISITE: Teacher Rec

Title: PLTW Aerospace Engineering H

Course Number: 605602HW

Unit Credit: 1

Grade Level: 9 - 12

Through hands-on engineering projects developed with NASA, students in this honors-level course learn about aerodynamics, astronautics, space-life sciences, and systems engineering (which includes the study of intelligent vehicles like the Mars rovers Spirit and Opportunity). This course must be taught by a teacher who has received Project Lead the Way training. Students in this course will be required to work with more intensity, at a deeper level, and produce a wider range of more difficult and complex material. PREREQUISITE: Teacher rec

Title: Bldg Cons Cluster 1

Course Number: 606006CD

Unit Credit: 2

Grade Level: 10 - 12

The Building Construction Cluster program is designed to prepare students to perform entry level building construction tasks under the supervision of a supervisor or an experienced craftsman. Included in the course of study are instructions related to cabinetmaking, carpentry, heating and air-conditioning system installation, masonry, plumbing, residential electricity, and safety practices. This program of study is designed to prepare students for a wide variety of occupational opportunities. This course is offered only at a GCS career center. Student must apply through admission process. See counselor at the high school or the career center for information. PREREQUISITE: Alg 1 or Alg 1 CP Part B

Title: Bldg Cons Cluster 2

Course Number: 606130CD

Unit Credit: 2

Grade Level: 10 - 12

This course is a continuation of Bldg Cons Cluster 1. PREREQUISITE: Bldg Const Cluster 1

Title: Bldg Cons Cluster 3

Course Number: 606206CD

Unit Credit: 2

Grade Level: 9 - 12

Building Construction prepares individuals to apply technical knowledge and skills in the building, inspecting, and maintaining of structures and related properties. Includes instruction in masonry, carpentry, electrical and power transmission installation, building/construction finishing, management, inspection, and other construction-related applications. Bldg Cons Cluster 2 is a pre-requisite for this course.

Title: Bldg Cons Cluster 4

Course Number: 606306CD

Unit Credit: 2

Grade Level: 9 - 12

Building Construction prepares individuals to apply technical knowledge and skills in the building, inspecting, and maintaining of structures and related properties. Includes instruction in masonry, carpentry, electrical and power transmission installation, building/construction finishing, management, inspection, and other construction-related applications. Bldg Cons Cluster 3 is a pre-requisite for this course.

Title: Digital Art Design 1

Course Number: 612030CD

Unit Credit: 2

Grade Level: 9 - 12

The Digital Art and Design program prepares students for careers in the graphic design field. Skills may be applied in any media, such as print, digital media, product design, packaging, etc. Most of the standards require students to combine text and graphics to communicate an effective message in the format intended for commercial reproduction. Students are also expected to use industry software and design concepts, principles, and processes to manipulate text and graphics, utilize and output appropriate file formats for Web and print, and meet client expectations.

Title: Digital Art Design 2

Course Number: 612106CD

Unit Credit: 2

Grade Level: 9 - 12

The Digital Art and Design program prepares students for careers in the graphic design field. Skills may be applied in any media, such as print, digital media, product design, packaging, etc. Most of the standards require students to combine text and graphics to communicate an effective message in the format intended for commercial reproduction. Students are also expected to use industry software and design concepts, principles, and processes to manipulate text and graphics, utilize and output appropriate file formats for Web and print, and meet client expectations.

Title: Digital Art Design 3

Course Number: 612206CD

Unit Credit: 2

Grade Level: 9 - 12

The Digital Art and Design program prepares students for careers in the graphic design field. Skills may be applied in any media, such as print, digital media, product design, packaging, etc. Most of the standards require students to combine text and graphics to communicate an effective message in the format intended for commercial reproduction. Students are also expected to use industry software and design concepts, principles, and processes to manipulate text and graphics, utilize and output appropriate file formats for Web and print, and meet client expectations.

Title: Digital Art Design 4

Course Number: 612306CD

Unit Credit: 2

Grade Level: 9 - 12

The Digital Art and Design program prepares students for careers in the graphic design field. Skills may be applied in any media, such as print, digital media, product design, packaging, etc. Most of the standards require students to combine text and graphics to communicate an effective message in the format intended for commercial reproduction. Students are also expected to use industry software and design concepts, principles, and processes to manipulate text and graphics, utilize and output appropriate file formats for Web and print, and meet client expectations.

Title: Cosmetology 1

Course Number: 615006CD

Unit Credit: 2

Grade Level: 10 - 12

The Cosmetology program is designed to prepare students to qualify for licensing examinations. Cosmetology students receive training in the art and science of the care and beautification of hair, skin, and nails. The course of study includes scalp treatments, hair shaping, hair styling, setting, waving, hair coloring, and shampoos and rinses. Care of skin and nails includes manicuring and pedicuring, massage, facials, makeup application, and hair removal. Instruction in chemistry bacteriology and anatomy and physiology of the face, head, arms and hands is incorporated by means of both theory and practical application on both mannequins and live models. Also included in the course of study is salon planning and management. This course is offered only at a GCS career center. Student must apply through admission process. See counselor at the high school or the career center for information. PREREQUISITE: Alg 1 or Alg 1 CP Part B & Biology

Title: Cosmetology 2

Course Number: 615130CD

Unit Credit: 2

Grade Level: 10 - 12

This course is a continuation of Cosmetology 1. PREREQUISITE: Cosmetology 1

Title: Cosmetology 3

Course Number: 615206CD

Unit Credit: 2

Grade Level: 9 - 12

The Cosmetology Program is designed to prepare students to qualify and successfully complete all requirements for a South Carolina Cosmetology license. The student receives training following the guidelines and regulations established by the South Carolina Labor, Licensing, and Regulation Cosmetology Board. The course of study includes Sanitation and Safety, Professionalism and Salon Management, Sciences of Cosmetology, Professional Hair Care Skills, Professional Nail Care Skills, Professional Skin Care Skills, and Unassigned Specific Needs. Instruction in chemistry, bacteriology, and anatomy and physiology of the face, head, arms, and hands is incorporated by means of theory and of practical application on both mannequins and live models. Cosmetology 2 is a pre-requisite for this course.

Title: Cosmetology 4

Course Number: 615306CD

Unit Credit: 2

Grade Level: 9 - 12

The Cosmetology Program is designed to prepare students to qualify and successfully complete all requirements for a South Carolina Cosmetology license. The student receives training following the guidelines and regulations established by the South Carolina Labor, Licensing, and Regulation Cosmetology Board. The course of study includes Sanitation and Safety, Professionalism and Salon Management, Sciences of Cosmetology, Professional Hair Care Skills, Professional Nail Care Skills, Professional Skin Care Skills, and Unassigned Specific Needs. Instruction in chemistry, bacteriology, and anatomy and physiology of the face, head, arms, and hands is incorporated by means of theory and of practical application on both mannequins and live models. Cosmetology 3 is a pre-requisite for this course.

Title: Nail Tech 1

Course Number: 615401CW

Unit Credit: 1

Grade Level: 9 - 12

The Nail Technology program is designed to prepare students to become licensed nail technologists. Nail Technology students receive training in the art and science of the care and beautification of nails. The course of study includes instruction in diseases and disorders, chemistry, biology and anatomy, and physiology of the arms, hands, and feet. Manicures, pedicures, tips, sculptures, and wraps are incorporated by means of theory and practical application on both mannequins and live models. Also included in the course of study is salon planning and management.

Title: Nail Tech 2

Course Number: 615501CW

Unit Credit: 1

Grade Level: 9 - 12

The Nail Technology program is designed to prepare students to become licensed nail technologists. Nail Technology students receive training in the art and science of the care and beautification of nails. The course of study includes instruction in diseases and disorders, chemistry, biology and anatomy, and physiology of the arms, hands, and feet. Manicures, pedicures, tips, sculptures, and wraps are incorporated by means of theory and practical application on both mannequins and live models. Also included in the course of study is salon planning and management.

Title: Nail Tech 3

Course Number: 615601CW

Unit Credit: 1

Grade Level: 9 - 12

The Nail Technology program is designed to prepare students to become licensed nail technologists. Nail Technology students receive training in the art and science of the care and beautification of nails. The course of study includes instruction in diseases and disorders, chemistry, biology and anatomy, and physiology of the arms, hands, and feet. Manicures, pedicures, tips, sculptures, and wraps are incorporated by means of theory and practical application on both mannequins and live models. Also included in the course of study is salon planning and management.

Title: Mechatronics1-Elec Components/Ind Safety

Course Number: 621080CD

Unit Credit: 2

Grade Level: 10 - 12

Mechatronics is a new interdisciplinary field involving mechanical, instrumentation, electronics, robotics/automation, computer components, and control systems. The program prepares students who like to work with their hands as well as their minds. Mechatronics is a dynamic field that changes daily with the rapid improvements in technology and computer systems. Systems are networked to meet the demands of automated manufacturing processes, and technicians are trained to meet necessary entry-level industrial skills and entry into a postsecondary program at a technical college. Dual credit may be available through some SC technical colleges. Mechatronics 1 ñ Industrial Safety, Mechatronics 2 ñ Hand and Power Tool Operations, Mechatronics 3 ñ Hydraulics and Pneumatics, Mechatronics 4 ñ AC/DC Circuits

Title: Mechatronics 3 - Pneumatics/Hydraulics

Course Number: 621206CD

Unit Credit: 2

Grade Level: 9 - 12

Mechatronics is a new interdisciplinary field involving mechanical, instrumentation, electronics, robotics/automation, computer components, and control systems. The program prepares students who like to work with their hands as well as their minds. Mechatronics is a dynamic field that changes daily with the rapid improvements in technology and computer systems. Systems are networked to meet the demands of automated manufacturing processes, and technicians are trained to meet necessary entry-level industrial skills and entry into a postsecondary program at a technical college. Dual credit may be available through some SC technical colleges. Mechatronics 1 ñ Industrial Safety, Mechatronics 2 ñ Hand and Power Tool Operations, Mechatronics 3 ñ Hydraulics and Pneumatics, Mechatronics 4 ñ AC/DC Circuits. Mechatronics 2 is a pre-requisite for this course.

Title: Mechatronics 4-Digital Fund/Prog Control

Course Number: 621380CD

Unit Credit: 2

Grade Level: 10 - 12

Mechatronics is a new interdisciplinary field involving mechanical, instrumentation, electronics, robotics/automation, computer components, and control systems. The program prepares students who like to work with their hands as well as their minds. Mechatronics is a dynamic field that changes daily with the rapid improvements in technology and computer systems. Systems are networked to meet the demands of automated manufacturing processes, and technicians are trained to meet necessary entry-level industrial skills and entry into a postsecondary program at a technical college. Dual credit may be available through some SC technical colleges. Mechatronics 1 ñ Industrial Safety, Mechatronics 2 ñ Hand and Power Tool Operations, Mechatronics 3 ñ Hydraulics and Pneumatics, Mechatronics 4 ñ AC/DC Circuits

Title: Advanced Technology for Design & Product

Course Number: 622200CW

Unit Credit: 1

Grade Level: 9 - 12

This course will engage students in the use of modern technologies in the design and improvement of products. Students will use three-dimensional Computer Assisted Design (CAD) software in the creation and analysis process. Students will document designs using standards set by industry for design documentation. Students will implement methods of green production and just-in-time component supply which allow for the lowest cost and highest quality products. Students will design and troubleshoot data acquisition, programmable logic control, process monitoring, automation and robotic systems. Students will incorporate sensing and vision systems, utilizing cameras and sensors to control automated systems.

Title: Systems of Advanced Technology

Course Number: 622300CW

Unit Credit: 1

Grade Level: 9 - 12

Systems of Advanced Technology provides opportunities for students to apply the technologies that are found in modern clean, production environments. Students study effective and energy efficient control of pumping, conveyors, piping, pneumatic and hydraulic control systems. Students apply total quality management to production design to assure quality. Students also focus on properties of materials and material testing, creating documentation to support designs, examining properties and justifying material selections based on properties. Students learn that old products become the new raw materials for new products.

Title: Mechatronic Systems for Advanced Product

Course Number: 622400CW

Unit Credit: 1

Grade Level: 9 - 12

Mechatronic Systems for Advanced Production provides opportunities for students to design cost-effective work cells incorporating automation and robotics to improve quality of final products. The advanced production in this course depends on the use and coordination of information, automation, network systems, vision and sensing systems. Students will design and create mechatronic systems and automated tooling to accomplish these advanced tasks. Students produce authentic documentation about their cyber-mechanical systems and the integration with data to control and monitor processes.

Title: Design for Production of Advanced Product

Course Number: 622500CW

Unit Credit: 1

Grade Level: 9 - 12

Students will create plant designs to process and automatically assemble materials into new products. Students follow the process of developing and producing a new product from prototype to final product. They will accomplish this by creating a production flow plan that allows for the mass production of the product. Students will analyze and evaluate all aspects of the design and production processes with an emphasis on clean, lean and green production. Students will utilize data acquisition, quality control processes and Six Sigma methodology to control production.

Title: Machine Tool Tech 1

Course Number: 623006CD

Unit Credit: 2

Grade Level: 10 - 12

The Machine Technology program is designed to prepare student to perform entry-level machine shop tasks under the supervision of an experienced machinist. Machine Technology student receives training on a variety of metal shaping machines used in the machining industry. Included in the course of study is instruction related to machining, precision measurement, industrial shop safety, shop drawings, and mathematics. This course is offered only at a GCS career center. Student must apply through admission process. See counselor at the high school or the career center for information. PREREQUISITE: Teacher Rec

Title: Machine Tool Tech 2

Course Number: 623180CD

Unit Credit: 2

Grade Level: 10 - 12

Machine Technology prepares individuals to apply technical knowledge and skills to fabricate and modify metal parts in support of other manufacturing, repair, or design activities, or as an independent business.

Title: Machine Tool Tech 3

Course Number: 623206CD

Unit Credit: 2

Grade Level: 9 - 12

Machine Technology prepares individuals to apply technical knowledge and skills to fabricate and modify metal parts in support of other manufacturing, repair, or design activities, or as an independent business. Machine Tech 2 is a pre-requisite for this course.

Title: Machine Tool Tech 4

Course Number: 623306CD

Unit Credit: 2

Grade Level: 9 - 12

Machine Technology prepares individuals to apply technical knowledge and skills to fabricate and modify metal parts in support of other manufacturing, repair, or design activities, or as an independent business. Machine Tech 3 is a pre-requisite for this course.

Title: Diesel Technology 1

Course Number: 631006CD

Unit Credit: 2

Grade Level: 9 - 12

The Diesel Technology program provides a broad foundation in the diesel repair field by preparing students for entry level positions in the field of heavy duty diesel vehicle repair. Students gain skills in engine repair, fuel supply and management, suspension and brakes, hydraulic systems operation, and lighting and instrumentation.

Title: Diesel Technology 2

Course Number: 631130CD

Unit Credit: 2

Grade Level: 10 - 12

Diesel Technology 2 is a continuation of the Diesel Technology program which provides a broad foundation in the diesel repair field by preparing students for entry level positions in the field of heavy duty diesel vehicle repair. Students gain skills in engine repair, fuel supply and management, suspension and brakes, hydraulic systems operation, and lighting and instrumentation. PREREQUISITE: Diesel Technology 1

Title: Diesel Technology 3

Course Number: 631202CD

Unit Credit: 2

Grade Level: 9 - 12

Diesel Technology 3 is a continuation of the Diesel Technology program which provides a broad foundation in the diesel repair field by preparing students for entry level positions in the field of heavy duty diesel vehicle repair.

Title: Diesel Technology 4

Course Number: 631302CD

Unit Credit: 2

Grade Level: 9 - 12

Diesel Technology 4 is a continuation of the Diesel Technology program which provides a broad foundation in the diesel repair field by preparing students for entry level positions in the field of heavy duty diesel vehicle repair.

Title: Welding Technology 1

Course Number: 634006CD

Unit Credit: 2

Grade Level: 10 - 12

The Welding Technology program is designed to prepare students to perform entry-level welding tasks under the supervision of an experienced certified welder. Welding students receive training in gas and electric welding. Included in the course of study is instruction related to blueprint reading, properties of metal, and safety. This course is offered only at a GCS career center. Student must apply through admission process. See counselor at the high school or the career center for information. PREREQUISITE: Alg 1 or Alg 1 CP Part B

Title: Welding Technology 2

Course Number: 634130CD

Unit Credit: 2

Grade Level: 10 - 12

This is a continuation of Welding Technology 1. PREREQUISITE: Welding Technology 1

Title: Welding Technology 3

Course Number: 634206CD

Unit Credit: 2

Grade Level: 9 - 12

Welding Technology prepares individuals to apply technical knowledge and skills to join or cut metal surfaces. Includes instruction in arc welding, resistance welding, brazing and soldering, cutting, high-energy beam welding and cutting, solid state welding, ferrous and non-ferrous materials, oxidation-reduction reactions, welding metallurgy, welding processes and heat treating, structural design, safety, and applicable codes and standards. Welding 2 is a pre-requisite for this course.

Title: Welding Technology 4

Course Number: 634306CD

Unit Credit: 2

Grade Level: 9 - 12

Welding Technology prepares individuals to apply technical knowledge and skills to join or cut metal surfaces. Includes instruction in arc welding, resistance welding, brazing and soldering, cutting, high-energy beam welding and cutting, solid state welding, ferrous and non-ferrous materials, oxidation-reduction reactions, welding metallurgy, welding processes and heat treating, structural design, safety, and applicable codes and standards. Welding 3 is a pre-requisite for this course.

Title: Clean Energy Systems 1

Course Number: 638000CD

Unit Credit: 2

Grade Level: 9 - 12

Clean Energy Systems 1 exposes students to three sources of renewable energy: wind, solar and biofuels. Working with solar, thermal, chemical and mechanical sources of clean energy teaches students how to apply physics, geography, chemistry, biology, geometry, algebra and engineering fundamentals. Students learn the most efficient and appropriate use of energy production as they explore the relevant relationships among work, power and energy. Students will engage in a wide variety of hands-on projects and lab activities that both test their knowledge and illustrate the interrelationships between the various forms of clean energy.

Title: Clean Energy Apps 2

Course Number: 638100CD

Unit Credit: 2

Grade Level: 9 - 12

Clean Energy Systems 2 builds on the foundation of Course 1 and introduces nuclear power, steam generation, fuel cells, geothermal power, water power, AC/DC power generation, heat transfer and the laws of thermodynamics. In addition, students now use chemical and thermal energy principles to create, store and use energy efficiently to power a variety of mechanical and electrical devices. Students will engage in a variety of hands-on design projects to demonstrate principles using advanced technology hardware and software.

Title: Clean Energy Strategies 3

Course Number: 638200CD

Unit Credit: 2

Grade Level: 9 - 12

Clean Energy Systems 3 students utilize applicable skills from the foundational courses to tackle challenges associated with the implementation of clean energy technology. The hands-on projects encountered during this course will require students to address specific issues related to providing portable power in any situation, developing new energy storage systems, increasing the efficiency of the modern home, and designing more energy efficient buildings and homes.

Title: Clean Energy Innovations 4

Course Number: 638300CD

Unit Credit: 2

Grade Level: 9 - 12

Clean Energy Innovations is the fourth and final course in the Clean Energy Technology Pathway Program. The course will provide students the opportunity to work independently with open-ended, problem-solving scenarios to create an original solution in the area of clean energy entrepreneurship or clean energy research and development. Students will collaborate with a mentor to conduct applied research around a defined research problem, develop solutions, collect and analyze relevant data, evaluate their solutions, and present their findings in public venues and competitions.

Title: Fundamentals of Aerospace Tech

Course Number: 638600CD

Unit Credit: 2

Grade Level: 9 - 12

This project-based learning course engages students who are curious about aviation and aerospace careers. This course will introduce students to an engineering design process, tools to collect and analyze data, the science of aviation, materials and structures, and safety. Students will participate in real-world experiences such as designing, building and testing a pilot seat, kite, straw rocket and launcher, motor-powered rocket, and a model glider.

Title: Advanced Aerospace Technology

Course Number: 638700CD

Unit Credit: 2

Grade Level: 9 - 12

This course builds on the foundation of Course 1 and engages students in applying the design process, using tools to collect and analyze data, exploring a deeper level of the science of aviation and discovering how quality control systems work in the aviation field. Students will work collaboratively in teams to design, build and test a wing; plot a course for a plane to take off and land; design, build and test a wing attachment system; test materials under stress; and design, build and test an electric-powered plane. Students will demonstrate their newly acquired knowledge and skills by presenting their innovative ideas, techniques and solutions to business and industry partners.

Title: Aeronautics Engineering Apps

Course Number: 638800CD

Unit Credit: 2

Grade Level: 9 - 12

This project-based learning course is for students who have successfully completed Courses 1 and 2. Students will learn about systems such as flight control, remote-control vehicles and the virtual world. Students will learn to fly using flight simulators. They will work collaboratively to propose a shift from a Very High Frequency Omnidirectional Range (VOR) navigation system to a Global Positioning System (GPS) and determine the cost savings. In addition, students will develop rotor blades for helicopters and design and program an unmanned flying vehicle.

Title: Astronautics Engineering Apps

Course Number: 638900CD

Unit Credit: 2

Grade Level: 11 - 12

Students in this capstone course will focus on outer space and underwater applications. During the six projects, they will work collaboratively to design, build and test a laser communication system; develop a plan for space survivability in hostile environments; and utilize software to create a three-dimensional model of a satellite orbit and a team remote vehicle for underwater exploration. Depending on articulation agreements or state policy, students who successfully complete the course may be able to earn dual credit.

Title: Ed/Training WkBsd 1

Course Number: 639001CW

Unit Credit: 1

Grade Level: 9 - 12

PREREQUISITE: Teacher rec

Title: Manuf Wkbsd 1

Course Number: 649001CW

Unit Credit: 1

Grade Level: 9 - 12

PREREQUISITE: Teacher rec

Title: Law Enforcement Svcs 2

Course Number: 651150CD

Unit Credit: 2

Grade Level: 9 - 12

The Law Enforcement Services program prepares students for entry-level positions in local, state, and federal law enforcement agencies and private security.

Title: Fire Fighter 1

Course Number: 651401CD

Unit Credit: 2

Grade Level: 10 - 12

This course is based on the learning objectives listed in IFSTA's Essentials of Fire Fighting, 6th Edition (2013), Stillwater, OK: Fire Protection Publications, Oklahoma State University. These objectives have been further modified by the South Carolina Fire Academy to meet the needs of the South Carolina fire service. Course completion alone does not meet the criteria for achieving national certification for Fire Fighter I. National-level firefighter certification testing is separate. The National Fire Protection Association (NFPA) establishes minimum standards for various levels of fire service certification. Requirements for meeting NFPA 1001 (2013), Standard for Fire Fighter Professional Qualifications, can be viewed online at NFPA.org.

Title: Law/Safety/Sec WkB 1

Course Number: 659001CW

Unit Credit: 1

Grade Level: 9 - 12

PREREQUISITE: Teacher rec

Title: Firefighter 3

Course Number: 659902CD

Unit Credit: 2

Grade Level: 9 - 12

Firefighter 3 expands upon the skills learned in Firefighter 1 and 2. This course is designed to take the student to the next level of firefighter, as recognized by the National Fire Protection Association (NFPA) and certified by the International Fire Service Accreditation Congress (IFSAAC) and National Board on Fire Service Professional Qualifications (ProBoard). Subjects include: incident management, building collapse and special rescue, hose tools and appliances, hydrant flow and operability, fire detection and alarm systems, fire cause, pre-incident planning, reports and communications and coordinating fire attack.

Title: Firefighter 4

Course Number: 659904CD

Unit Credit: 2

Grade Level: 9 - 12

Firefighter 4 expands upon the skills learned in Firefighter 1, 2 and 3. This course is designed to take the student to the next level of firefighter, as recognized by the National Fire Protection Association (NFPA) and certified by the International Fire Service Accreditation Congress (IFSAC) and National Board on Fire Service Professional Qualifications (ProBoard). Subjects include: fire streams, fire control, loss control, fire origin and cause determination, incident management, fire detection and alarm systems, fire cause, pre-incident planning, reports and communications.

Title: Arch Const Wkbsd 1

Course Number: 669001CW

Unit Credit: 1

Grade Level: 9 - 12

PREREQUISITE: Teacher rec

Title: Trans Dist Logistics Wkbsd 1

Course Number: 679001CW

Unit Credit: 1

Grade Level: 9 - 12

Transportation, Distribution and Logistics work-based course is a structured, stand-alone course that is taken in a CATE Classification of Instructional Programs (CIP)-coded program. Each work-based learning (credit bearing) course has an assigned CATE course code. The guidelines listed in the CATE Work-Based Learning Implementation Guide must be followed in order to award the Carnegie unit of credit upon successful completion of the course.

Title: STEM WorkBased 1

Course Number: 689001CW

Unit Credit: 1

Grade Level: 9 - 12

Science, Technology, Engineering, and Mathematics work-based course is a structured, standalone course that is taken in a CATE Classification of Instructional Programs (CIP)-coded program. Each work-based learning (credit bearing) course has an assigned CATE course code.

Title: Career Exploratory

Course Number: 695101CW

Unit Credit: 1

Grade Level: 9 - 12

The CTE Exploratory†course is designed to provide students with an introduction to a variety of Career and Technology Education coursework and career opportunities in the Early Childhood, Law Enforcement, Emergency and Fire Management Services, Construction, Automotive Technology, Manufacturing Technology and Culinary Arts industries.††

Title: Career Exploratory

Course Number: 695102CD

Unit Credit: 2

Grade Level: 9 - 12

The CTE Exploratory†course is designed to provide students with an introduction to a variety of Career and Technology Education coursework and career opportunities in the Early Childhood, Law Enforcement, Emergency and Fire Management Services, Construction, Automotive Technology, Manufacturing Technology and Culinary Arts industries.††

Miscellaneous

Title: Off-Campus Dual Enrollment

Course Number: 08996600

Unit Credit: 0

Grade Level: 9 - 12

PREREQUISITE:

Title: English-Speakers of Other Languages 1

Course Number: 308400CW

Unit Credit: 1

Grade Level: 9 - 12

This course is designed for the student who has a primary language other than English, and is not proficient in listening, speaking, reading, writing, or comprehension in the English speaking classroom. Instruction will be provided in the areas of listening, speaking, reading, writing, and comprehension to assist students in classrooms where English is the language of instruction. Students will receive skills to aid in the transition to all academic areas. Limited English proficiency should be determined by an approved language assessment instrument.

PREREQUISITE: None

Title: ESOL Literacy

Course Number: 3085A1CW

Unit Credit: 1

Grade Level: 9 - 12

This course is designed to assist students in the development of reading, writing, listening and speaking in English.† In alignment with the South Carolina English Language Development standards, instruction in this course will focus on building students' proficiency in literacy with collaborative learning opportunities, interpretive language opportunities, productive language opportunities, and in developing their meta-linguistic awareness and accuracy of English language production.† Students will learn systematic strategies in English reading, writing, and organization that will enable them to listen, speak, think, read, and write about content material for any core course.† This course earns elective credit and cannot be used in the place of the grade-level English course.

Title: Drivers Education

Course Number: 370100CH

Unit Credit: 0.5

Grade Level: 9 - 12

This elective course is for all eligible South Carolina high school students who are physically fit and of legal driving age. The driver education course includes a minimum of 30 classroom hours of instruction, six hours of behind-the-wheel driving, and six hours of observation. Fees apply for students enrolling in Drivers Education PREREQUISITE: None

Title: AP Seminar

Course Number: 373000AW

Unit Credit: 1

Grade Level: 9 - 12

In this yearlong course, students develop and strengthen analytic and inquiry skills, exploring two to four relevant issues chosen by the student and/or teacher. Using an inquiry framework, students practice reading and analyzing articles; research studies; foundational, literary, and philosophical texts; listening to and viewing speeches, broadcasts, and personal accounts; and experiencing artistic works and performances. Students learn to consider an issue from multiple perspectives, evaluate the strength of an argument, and make logical, fact-based decisions. Students question, research, explore, pose solutions, develop arguments, collaborate, and communicate using various media.

Title: AP Research

Course Number: 373100AW

Unit Credit: 1

Grade Level: 9 - 12

AP Research allows students to design, plan, and conduct a yearlong research-based investigation on a topic of individual interest, documenting their process with a portfolio. This allows students to demonstrate the ability to apply scholarly understanding to real-world problems and issues. Students learn how to understand research methodology, employ ethical research practices, and access, analyze, and synthesize information to build, present, and defend an argument. Prerequisite-AP Seminar

Title: Army JROTC 1

Course Number: 375125CW

Unit Credit: 1

Grade Level: 9 - 12

The ROTC curriculum and activities challenge the student to elevate and hone self-confidence, self-discipline, and leadership skills. It consists of formal classroom training (academic and physical exercise) supplemented by orientation trips to military activities and facilities in the area. Academic studies include military history and military science. Leadership studies include customs and courtesies of the military, cadet corps activities, study habits, time management, communication skills, and leadership and management studies. Co-curricular activities include drill team, color guard, etc. Cadets wear the ROTC uniforms one day per week. Uniforms and materials are provided by the participating branch of the military. Cadets are not required to enlist in the military. PREREQUISITE: None

Title: Army JROTC 2

Course Number: 375225CW

Unit Credit: 1

Grade Level: 9 - 12

The ROTC curriculum and activities challenge the student to elevate and hone self-confidence, self-discipline, and leadership skills. It consists of formal classroom training (academic and physical exercise) supplemented by orientation trips to military activities and facilities in the area. Academic studies include military history and military science. Leadership studies include customs and courtesies of the military, cadet corps activities, study habits, time management, communication skills, and leadership and management studies. Co-curricular activities include drill team, color guard, etc. Cadets wear the ROTC uniforms one day per week. Uniforms and materials are provided by the participating branch of the military. Cadets are not required to enlist in the military. PREREQUISITE: Completion of first level

Title: AJROTC III

Course Number: 375301HW

Unit Credit: 1

Grade Level: 11 - 12

Students for this advanced leadership course serve as members of the JROTC cadet senior staff together with cadets approved for the standard Cadet Staff Leadership and Management course. This hands-on experience affords students the opportunity to apply leadership and management lessons from previous JROTC courses. Students will maintain a high level of performance in personal fitness, military bearing, and uniform wear.

Title: Army JROTC 3

Course Number: 375325CW

Unit Credit: 1

Grade Level: 9 - 12

The ROTC curriculum and activities challenge the student to elevate and hone self-confidence, self-discipline, and leadership skills. It consists of formal classroom training (academic and physical exercise) supplemented by orientation trips to military activities and facilities in the area. Academic studies include military history and military science. Leadership studies include customs and courtesies of the military, cadet corps activities, study habits, time management, communication skills, and leadership and management studies. Co-curricular activities include drill team, color guard, etc. Cadets wear the ROTC uniforms one day per week. Uniforms and materials are provided by the participating branch of the military. Cadets are not required to enlist in the military. PREREQUISITE: Completion of first and second levels

Title: AJROTC IV

Course Number: 375401HW

Unit Credit: 1

Grade Level: 11 - 12

Students for this advanced leadership course serve as members of the JROTC cadet senior staff together with cadets approved for the standard Cadet Staff Leadership and Management course. This hands-on experience affords students the opportunity to apply leadership and management lessons from previous JROTC courses. Students will maintain a high level of performance in personal fitness, military bearing, and uniform wear.

Title: Army JROTC 4

Course Number: 375425CW

Unit Credit: 1

Grade Level: 9 - 12

The ROTC curriculum and activities challenge the student to elevate and hone self-confidence, self-discipline, and leadership skills. It consists of formal classroom training (academic and physical exercise) supplemented by orientation trips to military activities and facilities in the area. Academic studies include military history and military science. Leadership studies include customs and courtesies of the military, cadet corps activities, study habits, time management, communication skills, and leadership and management studies. Co-curricular activities include drill team, color guard, etc. Cadets wear the ROTC uniforms one day per week. Uniforms and materials are provided by the participating branch of the military. Cadets are not required to enlist in the military. PREREQUISITE: Completion of first, second and third levels

Title: JROTC (5/Drill 1)

Course Number: 375500CW

Unit Credit: 1

Grade Level: 9 - 12

Title: JROTC (6/Drill 2)

Course Number: 375600CW

Unit Credit: 1

Grade Level: 9 - 12

Title: JROTC (7/Drill 3)

Course Number: 375700CW

Unit Credit: 1

Grade Level: 9 - 12

Title: JROTC 8

Course Number: 375800CW

Unit Credit: 1

Grade Level: 9 - 12

Title: Peer Tutoring 1

Course Number: 379913CW

Unit Credit: 1

Grade Level: 9 - 12

This elective course is designed for 11th and 12th graders interested in a career in the special education field. Under the direction and supervision of the special education classroom teacher, the peer tutor will assist in instructing exceptional students in the school and/or community based on individual skills needed by the student. Tutors will teach, record data, and be positive role models. Students are responsible for implementing activities, attending class daily, and helping the students in the special education class become more independent. Application forms are mandatory. PREREQUISITE: Application and Instructor approval

Title: Peer Tutoring 2

Course Number: 379917CH

Unit Credit: 0.5

Grade Level: 9 - 12

This elective course is a continuation of Peer Tutoring 1. The course is designed for 11th and 12th graders interested in a career in the special education field. Under the direction and supervision of the special education classroom teacher, the peer tutor will assist in instructing exceptional students in the school and/or community based on individual skills needed by the student. Tutors will teach, record data, and be positive role models. Students are responsible for implementing activities, attending class daily, and helping the students in the special education class become more independent. Application forms are mandatory. PREREQUISITE: Peer Tutoring 1 and Instructor approval

Title: Peer Tutoring 2

Course Number: 379925CW

Unit Credit: 1

Grade Level: 9 - 12

This elective course is a continuation of Peer Tutoring 1. The course is designed for 11th and 12th graders interested in a career in the special education field. Under the direction and supervision of the special education classroom teacher, the peer tutor will assist in instructing exceptional students in the school and/or community based on individual skills needed by the student. Tutors will teach, record data, and be positive role models. Students are responsible for implementing activities, attending class daily, and helping the students in the special education class become more independent. Application forms are mandatory. PREREQUISITE: Peer Tutoring 1 and Instructor approval

Title: Leadership

Course Number: 379934CW

Unit Credit: 1

Grade Level: 9 - 12

This elective course deals with developing skills in effective communication, identifying the rights and responsibilities of citizenship and learning the information necessary to organize, conduct, and participate in meetings. In addition, the characteristics of effective leadership will be studied and developed by participation in educational, civic, and social activities. Student leaders, as well as those interested in becoming leaders, are encouraged to enroll in this course. PREREQUISITE: Teacher recommendation

Title: Freshman Success

Course Number: 379949CW

Unit Credit: 1

Grade Level: 9 - 12

This elective course is designed to give the student an extensive orientation to high school and to provide the student with the necessary knowledge skills and resources to have a rewarding and successful high school experience. In addition to the orientation to high school, major topics will include: classroom procedures and management, self-awareness, goal setting, time management, conflict resolution, communication skills, study habits, and test-taking strategies. Students will also spend time studying their career planners (sent from the middle schools), planning future course selection and discussing career plans. PREREQUISITE: None

Title: Peer Tutoring 1

Course Number: 379962CH

Unit Credit: 0.5

Grade Level: 9 - 12

This elective course is designed for 11th and 12th graders interested in a career in the special education field. Under the direction and supervision of the special education classroom teacher, the peer tutor will assist in instructing exceptional students in the school and/or community based on individual skills needed by the student. Tutors will teach, record data, and be positive role models. Students are responsible for implementing activities, attending class daily, and helping the students in the special education class become more independent. Application forms are mandatory. PREREQUISITE: Application and Instructor approval

Title: Senior Project

Course Number: 379965CW

Unit Credit: 1

Grade Level: 9 - 12

Students complete a year-long project on a topic related to their post-secondary plans as documented by their school/ career planner. It will be a three-phase project, consisting of a portfolio, a product and a presentation. Students will be assisted by a mentor and by their classroom teacher. **PREREQUISITE:** Must be a graduating senior; Teacher recommendation

Title: English-Speakers of Other Languages 2

Course Number: 408000CW

Unit Credit: 1

Grade Level: 9 - 12

This course is designed for the student who has a primary language other than English, and is not proficient in listening, speaking, reading, writing, or comprehension in the English speaking classroom. Instruction will be provided in the areas of listening, speaking, reading, writing, and comprehension to assist students in classrooms where English is the language of instruction. Students will receive skills to aid in the transition to all academic areas. Limited English proficiency should be determined by an approved language assessment instrument.

PREREQUISITE: ESOL 1

Title: English-Speakers of Other Languages 3

Course Number: 408100CW

Unit Credit: 1

Grade Level: 9 - 12

This course is designed for the student who has a primary language other than English, and is not proficient in listening, speaking, reading, writing, or comprehension in the English speaking classroom. Instruction will be provided in the areas of listening, speaking, reading, writing, and comprehension to assist students in classrooms where English is the language of instruction. Students will receive skills to aid in the transition to all academic areas. Limited English proficiency should be determined by an approved language assessment instrument.

PREREQUISITE: ESOL 2

Title: English-Speakers of Other Languages 4

Course Number: 408200CW

Unit Credit: 1

Grade Level: 9 - 12

This course is designed for the student who has a primary language other than English, and is not proficient in listening, speaking, reading, writing, or comprehension in the English speaking classroom. Instruction will be provided in the areas of listening, speaking, reading, writing, and comprehension to assist students in classrooms where English is the language of instruction. Students will receive skills to aid in the transition to all academic areas. Limited English proficiency should be determined by an approved language assessment instrument.

PREREQUISITE: ESOL 3

Title: English-Speakers of Other Languages 5

Course Number: 408700CW

Unit Credit: 1

Grade Level: 9 - 12

This course is designed for the student who has a primary language other than English, and is not proficient in listening, speaking, reading, writing, or comprehension in the English speaking classroom. Instruction will be provided in the areas of listening, speaking, reading, writing, and comprehension to assist students in classrooms where English is the language of instruction. Students will receive skills to aid in the transition to all academic areas. Limited English proficiency should be determined by an approved language assessment instrument.

PREREQUISITE: ESOL 4

Title: AP Computer Science Principles

Course Number: 477500AW

Unit Credit: 1

Grade Level: 9 - 12

This course introduces students to the central ideas of computer science, instilling the ideas and practices of computational thinking and inviting students to understand how computing changes the world. The course promotes deep learning of computational content, develops computational thinking skills, and engages students in the creative aspects of the field. The course is equivalent to a first-semester introductory college computing course

Career Center

Title: Early Childhood Education 1

Course Number: 570080CD

Unit Credit: 2

Grade Level: 10 - 12

Early Childhood Education 1 is designed to provide students with hands-on opportunities to actively explore and observe the world of children and prepare them for educational and administrative careers in the field. This course provides an in-depth study of career paths, developmentally appropriate practices, curriculum development, safe and healthy learning environments, and collaborative relationships. Participation in student organizations, Educators Rising (former Future Educators Association) and/or Family, Career and Community Leaders of America (FCCLA) greatly enhance the learning experience.

Title: Culinary Management 2

Course Number: 572180CD

Unit Credit: 2

Grade Level: 10 - 12

Culinary Arts 2 is an advanced level course that prepares the serious culinary student for gainful employment and/or entry into postsecondary education. Content provides students the opportunity to acquire marketable skills by examining both the industry and its career options. Students have opportunities to develop skills in workplace settings. Integration of the Family and Consumer Sciences student organization, Family, Career, and Community Leaders of America (FCCLA), greatly enhances the curriculum.

Title: Automotive Tech 2

Course Number: 603130CD

Unit Credit: 2

Grade Level: 10 - 12

This course is a continuation of Automotive Tech 1. PREREQUISITE: Automotive Tech 1

Title: Graphic Comm 1

Course Number: 620006CD

Unit Credit: 2

Grade Level: 10 - 12

The Graphic Communications program is designed to prepare students to perform graphic communications tasks under supervision. A Graphic Communications student receives instruction in layout and design, electronic imaging, reproduction photography, image assembly and platemaking, offset press operation, finishing and bindery, and employability skills. This course is offered only at a GCS career center. Student must apply through admission process. See counselor at the high school or the career center for information. PREREQUISITE: Basic math skills & reading comp

Title: Mechatronics 2 - Electric Drives/Hand

Course Number: 621131CD

Unit Credit: 2

Grade Level: 10 - 12

This course is a continuation of Mechatronics 1. PREREQUISITE: Mechatronics 1

Title: Fire Fighter 2

Course Number: 651501CD

Unit Credit: 2

Grade Level: 11 - 12

This course is based on the learning objectives listed in IFSTA's Essentials of Fire Fighting, 6th Edition (2013), Stillwater, OK: Fire Protection Publications, Oklahoma State University. These objectives have been further modified by the South Carolina Fire Academy to meet the needs of the South Carolina fire service. Course completion alone does not meet the criteria for achieving national certification for Fire Fighter I. National-level firefighter certification testing is separate. The National Fire Protection Association (NFPA) establishes minimum standards for various levels of fire service certification. Requirements for meeting NFPA 1001 (2013), Standard for Fire Fighter Professional Qualifications, can be viewed online at NFPA.org.