



Welcome to our School!

The faculty and staff welcome you and encourage you to use this curriculum guide to plan for your Freshman year. Registering for classes is your first opportunity to make the right decisions, so please consider carefully which courses you will select. We want you to have a positive high school experience, and we look forward to working with you as you begin your high school career.

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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

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/>

Fountain Inn High School 9th Grade Course Catalog

Administration	School Counselors
Maureen Tiller	Katlyn McCormick
Principal	Director; Student Responsibility A-E
864.452.1800	(864) 452.1819
mtiller@greenville.k12.sc.us	katmccormick@greenville.k12.sc.us
Matt Irvin	Rob Rhodes
Assistant Principal	Student Responsibility F-Mi
864.452.1815	(864) 452-1917
mirvin@greenville.k12.sc.us	rrhodes@greenville.k12.sc.us
Shykeia Smith	Marsha Huebner
Administrative Assistant	Student Responsibility Mo-Z
(864) 452-1916	(864) 452-1818
shykeiasmith@greenville.k12.sc.us	mhuebner@greenville.k12.sc.us
Lindsey Beam	Kia Cheeks-Young
Instructional Coach	Student Services Clerk
(864)355-8673	(864)355-8619
ljbeam@greenville.k12.sc.us	kcheeksyong@greenville.k12.sc.us

Registration

Teachers recommend students for their English, Math, Science, and Social Studies courses; however, students choose their own elective courses. Students are encouraged to choose their electives as well as 3 *alternate electives* very carefully during the registration period. Students receive a Schedule Course Request Report of all core academic courses that have been recommended for them and the electives and alternate electives that they have chosen after the registration process. PLEASE NOTE: Due to class sizes, scheduling conflicts, and teacher allocation, the student may not be placed in their 1st, 2nd, or 3rd elective choices, that is why it is imperative that they choose alternate electives. Student request letters will go home March 29th, 2023.

Parent Overrides: At times, parents may disagree with teacher recommended levels. If this occurs, parents may complete an override form in order to place the student in their desired course. PLEASE NOTE: PARENTS AND STUDENTS ARE HIGHLY CAUTIONED IN THE USE OF PARENT OVERRIDE FORMS. It has been the vast experience at Fountain Inn High School that students who are enrolled in courses with an override, have difficulty passing. Teachers cannot be expected to provide additional assistance beyond what is available to all the students in the class. If a parent overrides a teacher recommendation and the student begins to experience difficulty in the class once scheduled, the student *WILL NOT* be moved back into the original recommended level. Parent overrides are due to the child's counselor by April 4th along with student request letters.

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. A Schedule Change Request form is available at orientation and schedule pick up and *must* be completed prior to the semester beginning for requests to be *considered*.

Important Information: Student requests determine the courses that will be offered in the master schedule. For this reason, no preference changes will be made after the deadline to review course requests and return Parent Overrides, if applicable.

Additional information about minimum admission requirements to four year colleges and Universities:

Four year colleges and universities require 2 years of foreign language --but more is better (Clemson and College of Charleston require 3 years of the same foreign language).

Public four year colleges and Universities in South Carolina require 3 lab sciences---Integrated Science *DOES NOT* count as lab sciences. Biology 1, Environmental Science, Earth Science, Forensic Science, Chemistry, Physics, Anatomy and Physiology *ARE* considered lab sciences.

Public four year colleges and universities in South Carolina require one fine arts credit.

Four year college and University requirements vary greatly. Be certain to carefully check the requirements of the institutions you are interested in attending

TESTING:

End-of-Course examinations (EOC): The EOC counts 20 percent of the students' final grade. Courses which have an EOC currently include Algebra 1, English 2, US History, and Biology. All public middle school, high school, alternative school, adult education and home school students who are enrolled in these courses must take the appropriate test.

College and Career Placement Tests:

The PSAT: The Preliminary Scholastic Aptitude Test (PSAT) is a multiple-choice test that measures verbal and mathematical reasoning abilities important for academic performance. PSAT scores can be used to estimate performance on the Scholastic Aptitude Test (SAT). The PSAT provides entry into competition for important national scholarship and recognition programs. College bound sophomores and juniors should see their counselors in September to register for this test.

The SAT: The SAT Reasoning Test assesses student reasoning based on knowledge and skills developed by the student in school coursework. This test is made up of separately timed critical reading, mathematics and writing sections. Preparation for the SAT should include practice through taking the PSAT and enrollment in rigorous, challenging high school courses.

The SAT is offered several times during the year at locations throughout Greenville County. Students register online and may choose to take the test at any available location. The information can be obtained from the website www.collegeboard.org or from the guidance office. Beginning in the 2018-2019 school year, all 3rd year students will be taking either the SAT or ACT, depending on their preference. The test will be free of charge and administered at Fountain Inn High School.

The ACT: The ACT is an assessment test that measures a student's skill in English, mathematics, reading, and science reasoning. Colleges will accept scores from either the ACT or SAT for the college admissions process. More information and test prep information can be obtained from the website www.act.org or from the guidance office. All 3rd year students will be taking either the SAT or ACT, depending on their preference. The test will be free of charge and administered at Fountain Inn High School.

The ASVAB: The ASVAB is a multi-aptitude test designed to measure your abilities. It consists of 10 short tests that can assess academic strengths. The State Department of Education encourages the use of this test for career counseling.

WorkKeys Assessment (Career Readiness Assessment): ACT WorkKeys is an assessment that tests students' job skills in applied reading, writing, mathematics and essential skills. Scores are based on job profiles that help employers select, hire, train, develop and retain a high-performance workforce. All 3rd year students will take the WorkKeys Assessment.

Attendance

Attendance Policy: Most students begin earning unit credits in the ninth grade. Some students begin earning high school credits in middle school. Unit credit is given for high school subjects successfully completed by students. A student must be in attendance at least 85 days to receive credit for a semester course. (This applies to attendance in each individual class). Exceptions will be made for cases of extended or chronic illness when certified by a physician, and for absences for emergencies when excused by the principal.

General Qualifications for Life and Palmetto Fellows Scholarships

To qualify for these scholarships, the student must have no felony convictions, have no drug or alcohol convictions within the past academic year, be a legal resident of SC at the time of high school graduation and college enrollment, and be a US citizen or legal permanent resident.

Life Scholarships: Life Scholarships are available to students who attend four-year or two-year and technical colleges in South Carolina. Four-year college students can receive \$5,000 per year and two-year and technical college students can receive up to the cost of tuition plus \$300 for books. To qualify for technical colleges or two-year colleges, student must have a cumulative GPA of 3.0. To qualify for four-year colleges, student must meet two of these three standards: graduate from high school with a cumulative GPA of 3.0, score 1100 on the SAT (CR & Math) or a 24 composite on the ACT, be in the top 30% of the graduating class.

Palmetto Fellows Scholarships: Palmetto Fellows are available to students who attend four-year colleges in South Carolina. Freshmen may receive up to \$6,700 per year.

Initial Eligibility Requirements for Early Award: Top 6% Rank in at the end of sophomore or junior year, 1200 SAT (CR & Math) or 27 ACT Composite, and 3.5 GPA; OR 1400 SAT (CR & Math) or 32 ACT Composite and 4.0 GPA.

Eligibility Requirements for Final Award: Top 6% Rank in Class at the end of sophomore, junior, or senior year, 1200 SAT (CR & Math) or 27 ACT Composite, and 3.5 GPA; OR 1400 SAT (CR & Math) or 32 ACT Composite and 4.0 GPA.

Other Information

NCAA Clearinghouse / NAIA: Student athletes who plan to participate in sports at the college level must meet eligibility requirements. To learn more visit www.eligibilitycenter.org or www.playnaia.org.

Virtual Classes: Students may take supplemental online classes. Information is available at <http://www.gcsvirtual.com> and www.virtualsc.org.

G+ & CCR Opportunities: Counselors will discuss pathways that students can achieve the G+ and the College & Career Readiness designations through the students' annual IGP conferences. The goal is that all students meet G+ and CCR. Opportunities at Fountain Inn High School include:

- Composite score of a 20+ on the ACT
- Composite score of a 1020+ on the SAT
- Score of a 3+ on an AP exam
- 6 credits in dual enrollment with a grade of a C or better (specific courses apply)
- Earn a silver, gold, or platinum on the WIN career assessment
- Earn a score of a 31+ on the ASVAB
- Be a CTE completer with an industry credential
- Successfully complete a state based work based learning program

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 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: Journalism 1

Course Number: 305001CW

Unit Credit: 1

Grade Level: 9 - 12

This is an elective course designed to provide initial exposure to newspaper and yearbook production skills and to journalistic theory and history. Emphasizing sound journalistic principles, the program focuses on journalistic writing skills and information gathering techniques and introduces students to concepts of design and photojournalism. 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: Journalism 2 Yearbook

Course Number: 3099A7CW

Unit Credit: 1

Grade Level: 9 - 12

This is an elective course for students who have completed Journalism 1 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 introduced in Journalism 1 and will complete a practicum involving the publication of the school yearbook. This course does not take the place of any required English course. PREREQUISITE: Journalism 1 and/or Instructor approval

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 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

Math

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 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: 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 1 (CR)

Course Number: 4114CRCW

Unit Credit: 1

Grade Level: 9 - 12

Algebra 1 Credit Recovery

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: 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 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

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: 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: 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: 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 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

Social Studies

Title: Modern World History

Course Number: 330600CW

Unit Credit: 1

Grade Level: 9 - 12

Modern World History is a standards-based course focused on the study of the history of the world from 1300 to the present. Students will analyze the past through the lens of inquiry and utilize the historical thinking skills of comparison, causation, periodization, continuities and change, context, and evidence. 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: US History & Constitution H

Course Number: 332003HW

Unit Credit: 1

Grade Level: 9 - 12

United States History and Constitution is a standards-based course that offers students an in-depth study of the impact and implications of decisions made throughout the history of our country. Students will analyze the past through the lens of inquiry and utilize the historical thinking skills of comparison, causation, periodization, continuities and change, context, and evidence. This course 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% of the final grade. **PREREQUISITE:** Ability to read and analyze complex texts, gather evidence and communicate findings, and think critically about historical events. Students should have one social studies unit and a Social Studies teacher recommendation.

Title: US History & Constitution CP

Course Number: 332009CW

Unit Credit: 1

Grade Level: 9 - 12

United States History and Constitution is standards-based course that offers students an in-depth study of the impact and implications of decisions made throughout the history of our country. Students will analyze the past through the lens of inquiry and utilize the historical thinking skills of comparison, causation, periodization, continuities and change, context, and evidence. This course 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% of the final grade. **PREREQUISITE:** Students should have one social studies unit and a Social Studies teacher recommendation.

Title: Law Education

Course Number: 333601CW

Unit Credit: 1

Grade Level: 9 - 12

This elective course involves a study of different types of law, their development, and their role in a democratic society. Emphasis will be placed on citizen rights and responsibilities, law enforcement, the judicial system, liberty, and justice. Topics include criminal law, juvenile justice, torts, consumer, family, and housing law, and individual rights and responsibilities. The course focuses on the interpretation of cases and law enforcement procedures.

Title: Psychology CP

Course Number: 334009CW

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.

Title: Sociology

Course Number: 334501CW

Unit Credit: 1

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 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: 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 1

Course Number: 350112CH

Unit Credit: 0.5

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 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: 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 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 3

Course Number: 354301CW

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

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

Course Number: 354401CW

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 or Chorus 3H

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/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

Course Number: 355301CW

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 second level Instrumental Music course and Instructor approval

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

Course Number: 355401CW

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 third 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: 356101CW

Unit Credit: 1

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: 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: Jazz Band 1

Course Number: 453101CW

Unit Credit: 1

Grade Level: 9 - 12

This course is a supplementary experience for students with superior musical talents. Students study either jazz or small ensemble literature as indicated by class designation. The elements of music, proper tone quality, production, music reading, and small ensemble skills, as they relate to style, are emphasized. **PREREQUISITE:** Participation in the middle school program or private study and instructor approval

Title: Jazz Band 2

Course Number: 453201CW

Unit Credit: 1

Grade Level: 9 - 12

This course is a supplementary experience for students with superior musical talents. Students study either jazz or small ensemble literature as indicated by class designation. The elements of music, proper tone quality, production, music reading, and small ensemble skills, as they relate to style, are emphasized. **PREREQUISITE:** Jazz Band 1 or another Instrumental Music course and Instructor approval

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: 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: 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: 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: 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: 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.

Foreign Language

Title: German 1 CP

Course Number: 362107CW

Unit Credit: 1

Grade Level: 9 - 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: German 2 CP

Course Number: 362207CW

Unit Credit: 1

Grade Level: 9 - 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 German 1

Title: German 2 (H)

Course Number: 362207HW

Unit Credit: 1

Grade Level: 9 - 12

German 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: German 3 H

Course Number: 362303HW

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 German 2 CP and teacher recommendation

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 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

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: PhysicalEducation2

Course Number: 344257CW

Unit Credit: 1

Grade Level: 9 - 12

This is a second level physical education course designed to give the student the opportunity to learn a nontraditional sport or physical activity not practiced or taught in any other PE course at the school. This course does not count as a PE 1 unit for graduation. PREREQUISITE: PE 1

Title: Weightlifting 1

Course Number: 3499A1CH

Unit Credit: 0.5

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 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: 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.

Career and Technology

Title: Accounting1

Course Number: 500101CW

Unit Credit: 1

Grade Level: 9 - 12

This course is designed to help the student develop the skills necessary for the highly technical interaction between accounting and business, to develop an understanding of the steps of the accounting cycle as applied to several different kinds of business operations, and to develop an understanding of accounting concepts, principles, and practices. Use of the computer in simulated activities gives the student an opportunity to see the advantages of technology in accounting procedures. PREREQUISITE: Completion of Algebra 1 or equivalent and/or teacher recommendation

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: 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: 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: Entrepreneurship **Course Number:** 540001CW
Unit Credit: 1
Grade Level: 9 - 12
This course is designed to provide students with the knowledge and skills leading to the development of a business plan for small business ownership. An important part of the course will be the incorporation of marketing, staffing, and financial considerations.

Title: PLTW Principles BioMed Science **Course Number:** 558001CW
Unit Credit: 1
Grade Level: 9 - 12
This course provides an introduction to the biomedical sciences through exciting hands-on projects and problems. Student work involves the study of human medicine, research processes and an introduction to bio-informatics. Students investigate the human body systems and various health conditions including heart disease, diabetes, sickle-cell disease, hypercholesterolemia, and infectious diseases. Key biological concepts including homeostasis, metabolism, inheritance of traits, feedback systems, and defense against disease are embedded in the curriculum. 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: Geometry and Biology

Title: PLTW Human Body Systems (H) **Course Number:** 558195HW
Unit Credit: 1
Grade Level: 9 - 12
Students examine the processes, structures, and interactions of the human body systems to learn how they work together to maintain homeostasis (internal balance) and good health. Using real-world cases, students take the role of biomedical professionals and work together to solve medical mysteries. Hands-on projects include designing experiments, investigating the structures and functions of body systems, and using data acquisition software to monitor body functions such as muscle movement, reflex and voluntary actions, and respiratory operation. Important concepts covered in the course are communication, transport of substances, locomotion, metabolic processes, defense, and protection. PREREQUISITE: Princ Biomedical Sci

Title: PLTW Medical Interventions (H) **Course Number:** 558295HW
Unit Credit: 1
Grade Level: 9 - 12
Student projects investigate various medical interventions that extend and improve quality of life, including gene therapy, pharmacology, surgery, prosthetics, rehabilitation, and supportive care. The course explores the design and development of various medical interventions, including vascular stents, cochlear implants, and prosthetic limbs. In addition, students review the history of organ transplants and gene therapy, and stay updated on cutting-edge developments via current scientific literature. Using 3D imaging, data acquisition software, and current scientific research, students design a product that can be used as a medical intervention. PREREQUISITE: Human Body Systems

Title: Intro Teaching 1 **Course Number:** 570300CW
Unit Credit: 1
Grade Level: 9 - 12
Introduction to Teaching Level 1 is designed to prepare students for employment and/or postsecondary opportunities in the education field. The program provides instruction in the teaching profession, communication skills, human growth and development, planning and instructional strategies, and school-societal relationships. Technology is integrated throughout the course work. PREREQUISITE: Child Development 1 and/or 2

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 Digital Electronics H

Course Number: 605201HW

Unit Credit: 1

Grade Level: 9 - 12

This is an honors-level course of study in applied digital logic. The course is patterned after the first semester course in Digital Electronics taught in two- and four-year colleges. Students will study the application of electronic logic circuits and devices and apply Boolean logic to the solution of problems. Using Circuit Maker, the industry standard, students will test and analyze simple and complex digital circuitry. Students will design circuits using Circuit Maker, export their designs to a printed circuit autorouting program that generates printed circuit boards, and construct the design using chips and other components. The students must be concurrently enrolled in college preparatory mathematics. 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 Civil Eng & Arch H

Course Number: 605801HW

Unit Credit: 1

Grade Level: 9 - 12

This honors-level course provides an overview of the fields of Civil Engineering and Architecture, while emphasizing the interrelationship and dependence of both fields on each other. Students use state of the art software to solve real world problems and communicate solutions to hands-on projects and activities. This course covers topics such as: The Roles of Civil Engineers and Architects Project Planning Site Planning Building Design Project Documentation and Presentation 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: Media Technology 1

Course Number: 612400CW

Unit Credit: 1

Grade Level: 9 - 12

Students will explore the general field of communications and will focus primarily on audio and motion media industries. Students will also learn about related fields such as radio, graphic design, computer graphics, animation, special effects, online media development, advertising, public relations, and corporate communications.

Title: Media Technology 2

Course Number: 612500CW

Unit Credit: 1

Grade Level: 9 - 12

Students will get hands-on experience in basic production techniques for audio, video, and film. They will learn how to use industry-standard equipment and will develop skills including writing, directing, producing, and editing video pieces of increasing complexity.

Title: Media Technology 3

Course Number: 612600CW

Unit Credit: 1

Grade Level: 9 - 12

Students will further develop their production techniques for audio, video, and film and will work collaboratively while writing, producing, directing, and editing projects of increasing complexity, using industry-standard software and equipment.

Title: Media Technology 4

Course Number: 612700CW

Unit Credit: 1

Grade Level: 9 - 12

Students will further develop their production techniques for audio, video, and film and will work collaboratively while writing, producing, directing, and editing projects of increasing complexity, using industry-standard software and equipment.

Title: Mechatronics 2 - Electric Drives/Hand

Course Number: 621106CW

Unit Credit: 1

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

Title: Mechatronics 3 - Pneumatics/Hydraulics

Course Number: 621207CW

Unit Credit: 1

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

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: Machine Tool Tech 3

Course Number: 623207CW

Unit Credit: 1

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.

Title: PLTW-Computer Science Essentials

Course Number: 637202CW

Unit Credit: 1

Grade Level: 9 - 12

Designed to be the first computer science course for students who have never programmed before, ICS is an optional starting point for the PLTW Computer Science program. Students work in teams to create apps for mobile devices using MIT App Inventor?. They explore the impact of computing in society and build skills in digital citizenship and cybersecurity. Beyond learning the fundamentals of programming, students build computational thinking skills by applying computer science to collaboration tools, modeling and simulation, and data analysis. In addition, students transfer the understanding of programming gained in App Inventor to text-based programming in Python? and apply their knowledge to create algorithms for games of chance and strategy.

Title: Computers, Networks & Databases

Course Number: 689100CW

Unit Credit: 1

Grade Level: 9 - 12

This project-based-learning course engages students who are curious about informatics. Students will learn how to use a design process to create systems that acquire, store and communicate data for a variety of career fields. Students will work collaboratively in teams to design systems, solve problems, think critically, be creative and communicate with each other and business partners. Students will participate in real-world experiences such as designing an inventory system for a retail store, comparing stores in a company to project future sales, track customer buying habits and more.

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: 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: Freshman Success

Course Number: 379927CH

Unit Credit: 0.5

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: Service Learning 1

Course Number: 379936CW

Unit Credit: 1

Grade Level: 9 - 12

Service Learning is a course designed for participants to learn and develop through active participation in thoughtfully organized service experiences that meet community needs through a collaboration between the school and community. It provides students with opportunities to use newly acquired skills and knowledge in real-life situations in their own communities. The course emphasizes essential life skills such as effective communication, problem solving, goal setting, and teamwork. Students will address real-life problems and make meaningful contributions to the school and community. The emphasis will be on planning, serving, and evaluating. Time will be spent in class and at service sites. PREREQUISITE: None

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: 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: 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