Fort Mill Schools
Program of Studies 2020-2021

Fort Mill Schools
Dr. James N. Epps, Superintendent
2233 Deerfield Drive
Fort Mill, SC 29715
(803) 548-2527

OUR VISION
Because children are the future, we use our ingenuity and imagination to challenge and inspire our students to exceed their expectations, achieve their greatest dreams and create a better community.
That is why we place
Children First...Every Day!

OUR PURPOSE
In the tradition of excellence, Fort Mill Schools places Children First...Every Day by providing an innovative and rigorous education that empowers all students to achieve their greatest success.

WE BELIEVE…

- We believe children are our priority.
- We believe an innovative, rigorous, and engaging education provides the foundation for success in the lives and careers of our students.
- We believe high expectations, integrity and perseverance promote excellence.
- We believe recognizing achievement and celebrating success builds a culture of excellence.
- We believe everyone has worth and value and should be treated with respect and dignity.
- We believe meaningful, transparent communication and dialogue foster community trust and support.
- We believe dynamic leadership, collaboration, and continuous improvement enable our schools to be globally competitive.
- We believe the student, the family, the school, and the community share a commitment and a responsibility for student development.
- We believe children should be provided with the resources and facilities to achieve their greatest success.
- We believe the school community should be a safe, healthy, and supportive environment.

Fort Mill School District offers equal opportunity in employment and education activities without regard to race, color, national origin, religion, sex, age or handicap.
Catawba Ridge High School
Mr. M. Dee Christopher, Principal
1180 Fort Mill Parkway
Fort Mill, SC 29715
Phone: (803) 835-5222
http://crhs.fortmillschools.org/

Fort Mill High School
Mr. Gales Scroggs, Principal
215 N. Highway 21 Bypass
Fort Mill, SC 29715
Phone: (803) 548-1900
Fax: (803) 548-1911
http://fmhs.fortmillschools.org/

Nation Ford High School
Mr. Jason B. Johns, Principal
1400 A. O. Jones Boulevard
Fort Mill, SC 29715
Phone: (803) 835-0000
Fax: (803) 835-0010
http://nfhs.fortmillschools.org/
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**NOTE:** Changes made by the South Carolina Department of Education after the date of publication of the 2020-2021 Program of Studies guide will be revised in the online edition of this guide. The Program of Studies may be found under the “Parents” link on the district website at [www.fortmillschools.org](http://www.fortmillschools.org).
The state’s vision is to ensure that every student meets the 21st Century Profile of the Graduate, so each student is ready for the military, the workforce, a community college, or university.

**Profile of the South Carolina Graduate**

**World Class Knowledge**
- Rigorous standards in language arts and math for career and college readiness
- Multiple languages, science, technology, engineering, mathematics (STEM), arts and social sciences

**World Class Skills**
- Creativity and innovation
- Critical thinking and problem solving
- Collaboration and teamwork
- Communication, information, media and technology
- Knowing how to learn

**Life and Career Characteristics**
- Integrity
- Self-direction
- Global perspective
- Perseverance
- Work ethic
- Interpersonal skills

**Individual Graduation Plan (IGP)**

The Education and Economic Development Act (EEDA) was written and passed by the South Carolina legislature to create the context and infrastructure needed by schools to implement changes from kindergarten through postsecondary education. Specifically, the legislation requires high schools to:

1. Revise the secondary curriculum around organized clusters with major areas of academic focus consisting of electives that relate to preparation of post-secondary plans.
2. Develop an Individual Graduation Plan (IGP) that lists the academic courses required for both graduation and entry into post-secondary education, courses related to the student’s selected major, and includes extended learning activities such as internships and job shadowing.

The purpose of the Individual Graduation Plan (IGP) is to assist students and their parents in exploring educational and professional possibilities and in making appropriate secondary and postsecondary decisions. The IGP is based on the course work, assessments, and counseling in middle and high school. An IGP consists of the state high school graduation requirements and/or college entrance requirements. In addition, course recommendations for successful completion of a major that aligns to postsecondary education and the workplace are included. School counselors begin working with students regarding interests, academies, majors, postsecondary choices, and high school options through individual and group counseling in the sixth grade. This includes information on academic and professional goals, career activities, and access to career resources. Teacher and parental involvement throughout this process is critical.

In the spring of eighth grade, students choose one of the four academies of study to explore. This takes place during an individual planning conference with a school counselor, the student, and his or her parent(s). Students are not required to complete a major.

During the Individual Graduation Plan conference with parents, students and counselors, students may select course requests for classes for the upcoming school year.
Requirements for High School Graduation

PROMOTION STANDARDS

FRESHMAN: Successful completion of 8th grade

SOPHOMORES: 1 English, 1 Math, and 4 others Total 6 Units

JUNIORS: 2 English, 2 Math, 1 Science, and 7 others Total 12 Units

SENIORS: 3 English, 3 Math, 2 Science, and 8 others Total 16 Units

Note: For participation in extracurricular activities such as Spirit Week, Prom, Senior Superlatives, Class Officers, exam exemptions, etc., class membership is based solely upon HOMEROOM ASSIGNMENT, which is determined only at the beginning of the school year in August. Grade levels will not be changed mid-year unless the student is considered a Jr./Sr.

GRADUATION REQUIREMENTS

<table>
<thead>
<tr>
<th>Subjects</th>
<th>Required Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>4 units</td>
</tr>
<tr>
<td>Math</td>
<td>4 units</td>
</tr>
<tr>
<td>Science</td>
<td>2 units</td>
</tr>
<tr>
<td>Biology</td>
<td>1 unit</td>
</tr>
<tr>
<td>US History &amp; Constitution</td>
<td>1 unit</td>
</tr>
<tr>
<td>Government/Economics</td>
<td>1 unit</td>
</tr>
<tr>
<td>Other Social Studies Unit</td>
<td>1 unit</td>
</tr>
<tr>
<td>Physical Ed or JROTC 1A or</td>
<td>1 unit</td>
</tr>
<tr>
<td>Marching Band/PE Option</td>
<td></td>
</tr>
<tr>
<td>Computer Science</td>
<td>1 unit</td>
</tr>
<tr>
<td>Career Tech. or Foreign Language</td>
<td>1 unit</td>
</tr>
<tr>
<td>High School 101 or JROTC 1B</td>
<td>1 unit</td>
</tr>
<tr>
<td>Electives</td>
<td>6 units</td>
</tr>
<tr>
<td>Total Units</td>
<td>24 Units</td>
</tr>
</tbody>
</table>

DIPLOMA OF DISTINCTION

By meeting the following criteria, students in the senior class may earn the District Diploma of Distinction.

4 Units of English in High School 4 Units of Math in High School
4 Units of Social Studies         4 Units of Science
High School 101                   11 other units

These 28 units must be earned in high school (grades 9-12). A minimum GPA of 3.5 or higher on the SC Uniform Grading Scale at the end of the senior year.
1) **FOUR UNITS OF ENGLISH:** All four units must have strong reading (including works of fiction and non-fiction), writing, communicating and researching components. It is strongly recommended that students take two units that are literature based, including American, British, and World Literature.

2) **FOUR UNITS OF MATHEMATICS:** These units must include Algebra 1, Algebra 2, and Geometry. A fourth higher-level mathematics unit should be taken before or during the senior year.

3) **THREE UNITS OF LABORATORY SCIENCE:** Two units must be taken in two different fields of the physical, earth, or life sciences and selected from among biology, chemistry, physics, or earth science. The third unit may be from the same field as one of the first two units (biology, chemistry, physics, or earth science) or from any laboratory science for which biology, chemistry, physics, and/or earth science is a prerequisite. Courses in general or introductory science for which one of these four units is not a prerequisite will not meet this requirement. It is strongly recommended that students desiring to pursue careers in science, mathematics, engineering, or technology take one course in all four fields (biology, chemistry, physics, or earth science.)

4) **TWO UNITS OF THE SAME WORLD LANGUAGE:** Two units with a heavy emphasis on language acquisition.

5) **THREE UNITS OF SOCIAL SCIENCE:** One unit of U.S. History, a half unit of Economics, and a half unit of Government are required. World History or Geography is strongly recommended.

6) **ONE UNIT OF FINE ARTS:** One unit in appreciation of, history of, or performance in one of the fine arts. The unit should be selected from among media/digital arts, dance, music, theater, or visual and spatial arts.

7) **ONE UNIT OF PHYSICAL EDUCATION OR JROTC:** One unit of physical education to include one semester of personal fitness and another semester in lifetime fitness. Exemption applies to student enrolled in Junior ROTC and for students exempted because of physical disability or for religious reasons.

8) **TWO UNITS OF ELECTIVES:** Two units must be taken as electives. A college preparatory course in Computer Science (i.e., one involving significant programming content, not simply keyboarding or using applications) is strongly recommended for this elective. Other acceptable electives include college preparatory courses in English; fine arts; foreign languages; social science; humanities; mathematics; physical education; and laboratory science (courses for which biology, chemistry, physics, or earth science is a prerequisite).

**NOTES:**

1. Foundations in Algebra and Intermediate Algebra may count together as a substitute for Algebra 1 if a student successfully completes Algebra 2. No other courses may be substituted for the three required mathematics courses (Algebra 1, Algebra 2, and Geometry).

2. Each institution may make exceptions in admitting students who do not meet all of the prerequisites, limited to those individual cases in which the failure to meet one or more prerequisites is due to circumstances beyond the reasonable control of the students.

3. The College Preparatory Course Prerequisite Requirements are minimal requirements for four-year public college admission. Therefore, students should check early with colleges of their choice to plan to meet additional high school prerequisites that might be required for admission and to prepare for college entrance examinations.

4. Students should prepare themselves for college-level work by enrolling in challenging high school courses, such as honors, Advanced Placement (AP), International Baccalaureate (IB), and dual enrollment courses.

5. It is the responsibility of each school district to disseminate this set of requirements to entering freshmen students interested in pursuing a four-year college degree in South Carolina upon graduation from high school and to provide the web address for their viewing: [http://www.che.sc.gov/Students,FamiliesMilitary/LearningAboutCollege/CollegeAwareness,PreparationAccess.aspx](http://www.che.sc.gov/Students,FamiliesMilitary/LearningAboutCollege/CollegeAwareness,PreparationAccess.aspx)

6. This revision of the College Preparatory Course Prerequisite Requirements shall be fully implemented for students entering high schools beginning Fall 2015 and colleges and universities as freshmen beginning in Fall 2019. In the interim period, the 2011-12 version of the Prerequisites (approved by the commission on Higher Education on October 5, 2006) remains acceptable.

7. The next revision cycle should begin in Fall 2020.
Academic Information

Course Selection and Schedule Changes

A. The courses students select will be the basis for the employment of teachers and the development of the master schedule for the upcoming school year. Accordingly, when students and parents sign the course selection sheet, they are considered to have contracted to participate in all requested courses or chosen alternates.

B. All courses described in this book may not be offered every year. Courses are scheduled based on student requests, class size, and scheduling feasibility.

C. Be sure to list alternates for all elective courses. Otherwise, if the electives chosen are not available, courses will be scheduled at the discretion of the counselor or principal.

D. Schedule changes will be limited. Any student wishing to make a revision in his/her schedule must do so within the summer conflict resolution. A summer schedule change will be considered:

1. If a student wishes to attempt to balance the academic load. (These requests will be considered on a space available basis only.)

2. If a student wishes to sequence courses due to special circumstances. (These requests will be considered on a space available basis only.)

3. If a student received a course for which he/she did not request during the IGP process. (When a student selects an alternate, the student has “requested” for that course.)

4. If a student passed a course which he/she assumed he/she would fail.

5. If a student failed a course required for graduation.

6. If a student failed a course, requested the course again and was assigned to the same instructor. (Where possible and on a space available basis.)

E. According to South Carolina state law, students who withdraw from a course after 5 days in a 90 day course will be assigned a WF and the F will be calculated as a 50 in the student’s GPA.

Retaking a Course

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 End-of-Course exam, the EOC 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 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 I after having earned credit for a higher level mathematics course (Geometry, Algebra II).
It is the student’s responsibility to contact their counselor should he/she fail a course required for graduation and need to retake the following semester. No changes will be made at the beginning of spring term except for reasons 3-6 noted above.

**Sequencing Courses**

A. Only one grade level of English and math may be taken per school year. With the principal’s permission, two courses may be taken in one year under the following conditions: 1) To allow a student who failed an English and/or math course to catch up with his class. 2) To allow a student who plans to take advanced level English and/or math to accelerate as designed in his/her IGP. This will be done on a space available basis.

B. A student may not request for courses in sequence such as French I fall term and French II spring term. Exceptions may occur at the principal’s discretion.

*Note: If you meet all the prerequisites, you may request any course as long as it does not matter which semester you take it.*

**Course Prerequisites and Recommendations**

A. **Prerequisites:** Some courses must be passed in a logical sequence; therefore, students must adhere to the designated prerequisites.

B. **Recommendations/Overrides:** Recommendations for the next course in a sequence may be made by the recommending teacher or based on past course in the sequence. A parent and student who wish to discuss the recommendation for reconsideration should request a conference with the assistant principal for curriculum, the counselor, and the recommending teacher. An override form may be signed by the parent following the conference. Once the override is signed, the student is committed to the course and cannot withdraw. This override option may not be used to enter a gifted and talented/honors class where selection is based on a state formula. These classes are English 2 Honors and English 3 Honors.

**Course Load**

A. Rising freshmen, sophomores and juniors must register for eight courses.

B. Rising seniors must register for a minimum of six courses.

C. Early dismissal/late arrival is allowed for seniors one each semester only.

D. All students are expected to take an English course and a math course each year.
Academic Information

Attendance
Attendance is critical to success in high school. One 90 minute class is equal to two classes on a 6-7 period schedule. By state law, a student must attend 85 out of 90 class days in order to be considered for credit. Students are required to continue attending classes even if credit has been denied. If a student fails a course due to excessive absences, an FA will be recorded on his or her transcript. The grade of FA will carry no Carnegie units but will be calculated as a 50 in the student’s GPA. Remember, only 5 unexcused absences are allowed in a course.

Attendance Recovery
A. Students may be granted the opportunity to recover credit for a course that they would have passed if not due to missing too many unexcused days.
B. Up to three days can be recovered.
C. Tuition will be charged per make up class due at the time of make-up.

End-of-Course Tests
Algebra 1, Intermediate Algebra, English 2, Biology 1, and U.S. History classes will have End-of-Course tests. Dates are mandated by the state and students cannot be excused from the testing. Current state law mandates that these tests count 20% of the final grade. Some of the career and technology courses also have a state end of course examination requirement. All students enrolled in courses with end-of-course tests must take the exams regardless of senior class status.

Assessments
Students in 11th grade will have the option to take the SAT or the ACT in the spring. These tests will be administered on a school day, on the high school campus, with test fees paid by the state. ACT or SAT scores may be submitted to colleges of the student’s choice.

All 11th graders will be required to take a Career Readiness Assessment in the spring.

Gifted and Talented
At the high school level, state identified gifted and talented classes include English 2 Honors and English 3 Honors. Students wishing to participate in these courses must meet the South Carolina state guidelines for gifted and talented. In addition to the state identified GT classes, students are encouraged to take honors and Advanced Placement courses. Students do not have to meet the state criteria to be eligible to take AP courses. See individual AP course descriptions for prerequisite information.
Credit Recovery
The purpose of Credit Recovery is to assist high school students who fail a core class but receive a grade of 55 or higher to receive credit for promotion and graduation requirements. There will be a non-refundable fee to participate in Credit Recovery. The procedures for placement are as follows:

1. Students may petition for Credit Recovery if they failed a core class with a grade of 55 to 59.
2. Students who petition for Credit Recovery must complete the petition form and have approval from all of the following: Subject Area Teacher, Counselor, and Parent.
3. Students may take one Credit Recovery course per semester (additional courses by special permission).
4. Students approved for Credit Recovery must complete their prescribed modules in PLATO/Edmentum and/or teacher prescription.
5. Each module or unit must be completed with a minimum of 80% accuracy.
6. Students can only earn a grade of “P” for passing upon successful completion of credit recovery. This will be added to the transcript and will not impact the GPA. The original failing grade and course will still appear on the transcript and will be factored into the GPA.

Distance, Online, and Virtual Education
Fort Mill Schools allows students in grades nine through twelve to earn a maximum of six units of academic credit to be applied toward graduation requirements by completing technology-delivered courses offered through programs approved by the school board. Students applying for permission to take these courses must do the following:

1. Complete prerequisites and provide teacher/counselor recommendations to confirm that he/she possesses the maturity level needed to function effectively in a distance, online, or virtual learning environment.
2. Obtain the approval of the principal or his/her designee before enrolling in a technology-delivered course.
3. Adhere to the district code of conduct to include rules of behavior, consequences for violations, and signed student agreements.
4. Adhere to attendance requirements of the district.

Virtual SC
A. The SC Department of Education offers internet courses at no cost to assist students in completing their individual graduation plans. Guidelines as determined by the state and FMS Board Policy.
B. Once the Virtual SC course is started, the final grade will appear on the transcript whether the student completes the course or not.

High School Virtual Labs
All high schools have virtual labs where students may take a course not offered by the Fort Mill Schools or a course that is not available due to scheduling conflicts. Courses offered by Virtual SC and by PLATO/Edmentum are the only programs recognized by Fort Mill Schools.
Senior Information

Valedictorian/Salutatorian/Honor Graduates

1. The valedictorian will be recognized based on having the highest cumulative GPA as it appears on the official high school transcript, calculated using the state uniform grading policy prescribed by state law.
2. The salutatorian will be recognized based on having the second highest cumulative GPA as it appears on the high school transcript, calculated using the state uniform grading policy prescribed by state law. See Appendix for SC Uniform Grading Policy Conversion Chart.
3. Valedictorians and salutatorians must attend a high school in the Fort Mill School District the two semesters immediately prior to graduation their senior year.
4. In the event of a tie, where more than one student has the same GPA, co-valedictorians and/or co-salutatorians will be named.
5. Only valedictorians and salutatorians will make graduation speeches. Other parts of the ceremony will be determined by the senior class.
6. All honor graduates will be determined during the spring semester of the senior year.
7. All honor graduates must attend four calendar years of high school.
8. In addition to the valedictorian and salutatorian, honor graduates will be recognized at graduation. Honor graduates must have a 4.5 or higher cumulative GPA as it appears on the high school transcript as calculated using the state uniform grading policy prescribed by state law.
9. For honor graduate determination, grades of transfer students will be accepted if credits are awarded from an accredited school.

Rigorous Senior Year

As college admission and job opportunities become more competitive, it is necessary to continue a high level of academic rigor. The FMSD encourages all students to take challenging courses during their senior year. All seniors are expected to take an English and a math course during the 12th grade year. Students are not eligible for a diploma of distinction if they do not take an English and math course in their 12th grade year. Some colleges and universities will deny admission to students who have not completed an English and a math during their senior year. A waiver will be required for a senior who is not taking an English or math course. In addition to the electives on campus, seniors may also elect to take courses at institutions of higher learning with a waiver letter from the principal. Students may not take courses that are comparable to high school course offerings. High school credit will not be awarded unless an articulation agreement is already in place. Tuition is the responsibility of the student.

LIFE/Palmetto Fellows Eligibility

LIFE and Palmetto Fellows eligibility is outlined on page 83. As required by the South Carolina Commission on Higher Education, GPA and ranking for the Palmetto Fellows scholarship will be calculated at the end of the sophomore, junior, and senior year following the posting of year end grades to the official transcript. This process will occur at the end of second semester each year and prior to June 15 (the official capture date for the Commission on Higher Education). Students with questions about eligibility should consult with the Counseling Office.

Early Graduation

Students who wish to graduate early need to discuss this with their counselor. This allows courses to be scheduled appropriately. To participate in the graduation ceremony, a student must declare plans to graduate by the first day of the fall semester. This applies to both 4th year students who want to graduate at the end of first semester of the senior year and to 3rd year students who want to graduate at the end of the school year. The student and parent must have a conference with a principal and a counselor, and the parent must submit a request form. Students who do not follow these procedures will receive a diploma but may not participate in the graduation ceremony. Early graduates are no longer enrolled as active high school students during the spring term but are invited to participate in the graduation ceremony. They may not participate in school sponsored spring activities such as sports, band, chorus, prom, etc.

Senior Privileges

Fourth year students who are eligible to become seniors at the end of first semester may have Senior pictures made, order graduation supplies, have names on Senior T-shirt and mug, be in the Senior group picture, and transfer to a Senior homeroom after first term. They will not be allowed the following senior privileges: Senior parking first term, participation in Senior Class activities or meetings during first term, representation of the Senior Class in any official capacity during first term, and exemption of exams during first term.
The State of South Carolina has introduced diploma pathways. This starts with students who were freshman in the 2018-2019 school year.

**DIPLOMA PATHWAYS SEALS OF DISTINCTION OVERVIEW**

One or more Seals may be earned, but are NOT required for graduation. Consult District Program of Studies for more information regarding curriculum choices and requirements. Beginning with 2018 – 2019 freshman class and beyond – Revised September 9, 2019 – Fort Mill Schools

<table>
<thead>
<tr>
<th><strong>HONORS Seal of Distinction</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>• SC UGP GPA 3.5 or higher English: *4 Credits 2 at honors or higher level</td>
</tr>
<tr>
<td>Math: *4 Credits 3 at honors or higher level (Alg. 2 as a prerequisite for the 4th higher level credit)</td>
</tr>
<tr>
<td>Lab Science: *3 Credits 2 at honors or higher</td>
</tr>
<tr>
<td>Social Studies: *3 Credits 2 at the honors or higher level</td>
</tr>
<tr>
<td>World Languages: *2 Credits of the same language for class of 2018-19 – 9th graders</td>
</tr>
<tr>
<td>*3 credits of same language for entering 9th graders 19-20 and beyond.</td>
</tr>
<tr>
<td>Advanced Coursework: *4 credits of honors or higher in Jr/Sr. years (the last 2 years prior to graduation)</td>
</tr>
</tbody>
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<thead>
<tr>
<th><strong>COLLEGE-READY Seal of Distinction</strong></th>
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</thead>
<tbody>
<tr>
<td>• SC UGP GPA 3.0 or higher OR ACT (Composite Score) = 20 OR SAT = 1020 (combined math and evidence-based reading/writing scores)</td>
</tr>
<tr>
<td>English: *4 Credits</td>
</tr>
<tr>
<td>Math: *4 Credits</td>
</tr>
<tr>
<td>Lab Science: *3 Credits Algebra 1 or the equivalent of Alg. 1, Geometry, Algebra 2, and 4th Math (with Algebra 2 or integrated math as a prerequisite)</td>
</tr>
<tr>
<td>Social Studies: *3 Credits</td>
</tr>
<tr>
<td>World Language: *2 Credits of the same language</td>
</tr>
<tr>
<td>Fine Arts: *1 Credit</td>
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</tbody>
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<thead>
<tr>
<th><strong>CAREER Seal of Distinction</strong></th>
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<tbody>
<tr>
<td>• SC UGP GPA 2.5 or higher English: *4 Credits</td>
</tr>
<tr>
<td>Math: *4 Credits</td>
</tr>
<tr>
<td>Science: *3 Credits</td>
</tr>
<tr>
<td>Social Studies: *3 Credits AND Completion of an EEDA major AND</td>
</tr>
<tr>
<td>One of the following:</td>
</tr>
<tr>
<td>- Earn at least 1 industry-recognized credential, OR</td>
</tr>
<tr>
<td>- Silver or higher on Work Ready 2 Work assessment, OR</td>
</tr>
<tr>
<td>- A semester-long WBL placement credit</td>
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</tbody>
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<table>
<thead>
<tr>
<th><strong>SPECIALIZATION Seal of Distinction</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>• SC UGP GPA 3.0 or higher (all areas) Complete ONE area to qualify</td>
</tr>
<tr>
<td>STEM: *4 credits beyond required courses in math, science, and technology; at least 2 at honors level or higher; may be in 1 area of STEM or across 4 areas</td>
</tr>
<tr>
<td>World Language: *4 credits in the same language and/or minimum ACTFL Exam score of &quot;intermediate Low&quot; (or an equated score on STAMP or ASL assessment); OR AP exam score of 3 or higher OR IB exam score of 4 or higher before the senior year; English learners – all criteria above and Level 5 composite ACCESS test score</td>
</tr>
<tr>
<td>Military: *4 credits in JROTC; and an ASVAB score of 31 or higher</td>
</tr>
<tr>
<td>Arts: *4 credits in single or multiple areas of the Arts; 2 or more at Honors or higher level; Mastery on external exam or performance task</td>
</tr>
</tbody>
</table>
Curriculum Framework FAQ

What are the four Schools of Study?
Schools of Study help to organize the curriculum into broad program areas that are interrelated in terms of academic content and career pathways.

1. Arts and Humanities
2. Business and Information Technology
3. Engineering and Integrated Technologies
4. Health and Human Services

What is a career cluster?
A career cluster is an organizational “clustering” of common educational preparatory paths for students with similar goals, strengths, interests, and skills. Simply put, career clusters are a way of organizing and tailoring course work and work experience around specific groups of careers. Each cluster is designed to provide three exit points for students: to the workforce or military, to a two-year technical college, or to a four-year college or university.

What is the purpose of career clusters?
1. Clusters serve to focus student learning and course selection in the advisement process.
2. Clusters help students see the relevance of their high school studies to their next step (i.e. college or technical school, military, or work).
3. Clusters help create smaller learning communities within a large high school setting.
4. Clusters encourage curriculum integration at the school level.
5. Clusters help provide structure for the curriculum and advisement process.
6. Clusters enhance articulation with post-secondary institutions.

What is an EEDA major?
Each career cluster can have several career majors. Career majors involve at least four related units of study. Majors help students focus their elective courses around a more specific career path. Example:

School: Engineering and Integrated Technologies
Cluster: Science, Technology, Engineering, Math (STEM)
Majors: Math, Project Lead the Way: Pre-engineering

When do students declare a cluster (or EEDA major)?
Beginning in the 8th grade, middle school students develop an Individual Graduation Plan (IGP) where they select a School of Study and potential Career Cluster. In the 9th grade during their High School 101 class, students revise their IGP and may select a major. Beginning in the 10th grade, students declare a major to focus their elective choices.

Can students change a school, cluster and/or major on their IGP?
Absolutely! Students can change a career major if they find that this is not in their area of interest. Students are never locked into a specific cluster or major. Successful completion of four of the required courses listed in the template constitutes a major.

Do all students have to declare a major?
According to the EEDA, all students are expected to declare a major by the end of the 10th grade. However, students are not required to complete a major for graduation.

How does a student earn a cluster cord or cords?
1. A student who completes a major (four courses passed) as defined in the Program of Studies catalog may purchase and “walk” at graduation with a cord representing the School of Study.
2. Each of the four clusters will have a separate color.
3. Students may be completers in more than one major in a cluster, or more than one major in multiple clusters, and may wear cords accordingly.
<table>
<thead>
<tr>
<th>Fort Mill School District Clusters and EEDA Majors Framework</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>School of Arts and Humanities</strong></td>
</tr>
<tr>
<td>Arts Cluster:</td>
</tr>
<tr>
<td>Choral Music</td>
</tr>
<tr>
<td>Dance</td>
</tr>
<tr>
<td>Theatre</td>
</tr>
<tr>
<td>Instrumental Music</td>
</tr>
<tr>
<td>Visual Arts</td>
</tr>
<tr>
<td>Audio-Visual Technology and Communication Cluster:</td>
</tr>
<tr>
<td>Media Technology</td>
</tr>
<tr>
<td>Digital Art and Design</td>
</tr>
<tr>
<td>Graphic Communication</td>
</tr>
<tr>
<td>Journalism</td>
</tr>
<tr>
<td>Humanities Cluster:</td>
</tr>
<tr>
<td>Advanced Placement - Interdisciplinary Studies</td>
</tr>
<tr>
<td>English</td>
</tr>
<tr>
<td>International Studies</td>
</tr>
<tr>
<td>Social Studies</td>
</tr>
<tr>
<td><strong>School of Business and Information Systems</strong></td>
</tr>
<tr>
<td>Business Management and Administration Cluster:</td>
</tr>
<tr>
<td>General Management</td>
</tr>
<tr>
<td>Operations Management</td>
</tr>
<tr>
<td>Finance Cluster:</td>
</tr>
<tr>
<td>Accounting</td>
</tr>
<tr>
<td>Information Technology Cluster:</td>
</tr>
<tr>
<td>Programming and Software Development</td>
</tr>
<tr>
<td>Marketing, Sales, and Service Cluster:</td>
</tr>
<tr>
<td>Marketing Management</td>
</tr>
<tr>
<td><strong>School of Engineering and Integrated Technologies</strong></td>
</tr>
<tr>
<td>Agriculture, Food, and Natural Resources Cluster:</td>
</tr>
<tr>
<td>Animal Science</td>
</tr>
<tr>
<td>Environmental and Natural Resources</td>
</tr>
<tr>
<td>Horticulture</td>
</tr>
<tr>
<td>Architecture and Construction Cluster:</td>
</tr>
<tr>
<td>Project Lead the Way: Pre-Engineering</td>
</tr>
<tr>
<td>Science, Technology, Engineering, and Math Cluster:</td>
</tr>
<tr>
<td>Math</td>
</tr>
<tr>
<td>Project Lead the Way: Pre-Engineering</td>
</tr>
<tr>
<td>Science</td>
</tr>
<tr>
<td>Transportation, Distribution, and Logistics Cluster:</td>
</tr>
<tr>
<td>Automotive Technology</td>
</tr>
<tr>
<td><strong>School of Health and Human Services</strong></td>
</tr>
<tr>
<td>Education and Training Cluster:</td>
</tr>
<tr>
<td>Early Childhood Education</td>
</tr>
<tr>
<td>Health Science Cluster:</td>
</tr>
<tr>
<td>Biomedical Science</td>
</tr>
<tr>
<td>Health Science</td>
</tr>
<tr>
<td>Sports Medicine</td>
</tr>
<tr>
<td>Diversified Health Science</td>
</tr>
<tr>
<td>Law and Public Services Cluster:</td>
</tr>
<tr>
<td>Law and Legal Services</td>
</tr>
<tr>
<td>Military Science</td>
</tr>
<tr>
<td>Hospitality and Tourism Cluster:</td>
</tr>
<tr>
<td>Culinary Arts</td>
</tr>
</tbody>
</table>
EEDA Career Clusters and Majors

This chart shows all of the career clusters and possible majors. Students must successfully complete the courses listed under each major in order to complete that major. Do not confuse this with the Career and Technology Education (CTE) “completer program” requirements. Information specific to the CTE requirements can be found on the chart on the pages following this chart.

### School of Arts and Humanities

<table>
<thead>
<tr>
<th>Cluster: Arts</th>
<th>Required courses to complete major</th>
</tr>
</thead>
<tbody>
<tr>
<td>Majors</td>
<td>Select at least 4 from the same major</td>
</tr>
<tr>
<td>Choral Music</td>
<td>Choral Music Chorus 1, 2, 3, 4, 5, 6, Choral Rehearsal</td>
</tr>
<tr>
<td>Dance</td>
<td>Dance 1, 2, 3, 4 Theatre 1</td>
</tr>
<tr>
<td>Theatre</td>
<td>Theatre 1, 2, 3, 4 Dance, Chorus 1</td>
</tr>
<tr>
<td>Instrumental Music</td>
<td>Band 1, 2, 3, 4, 5, 6, 7, 8</td>
</tr>
<tr>
<td>Visual Arts</td>
<td>Drawing 1, 2 Painting 1,2 3-D Design/Sculpture Photography Portfolio art Ceramics 1, 2 AP Studio Art (2D, 3D, and/or Drawing) AP Art History</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Cluster: Audio Visual Technology and Communication</th>
<th>Required courses to complete major</th>
</tr>
</thead>
<tbody>
<tr>
<td>Majors</td>
<td>Select at least 4 from the same major</td>
</tr>
<tr>
<td>Media Technology</td>
<td>Media Technology 1, 2, 3, 4H</td>
</tr>
<tr>
<td>Digital Art and Design</td>
<td>Digital Art and Design 1, 2, 3, 4H</td>
</tr>
<tr>
<td>Graphic Communication</td>
<td>Graphic Communication 1, 2, 3, 4</td>
</tr>
<tr>
<td>Journalism</td>
<td>Introduction to Journalism Journalism 2 Yearbook Production or Journalism Editor Media Technology Photography Digital Art and Design, Graphic Communication</td>
</tr>
</tbody>
</table>
### School of Arts and Humanities Continued

<table>
<thead>
<tr>
<th>Cluster: Humanities</th>
<th>Required courses to complete major</th>
</tr>
</thead>
<tbody>
<tr>
<td>Majors</td>
<td>Select at least 4 from the same major</td>
</tr>
<tr>
<td>Advanced Placement – Interdisciplinary Studies</td>
<td>4 AP Courses</td>
</tr>
<tr>
<td>English</td>
<td>Film and Fiction, Public Speaking</td>
</tr>
<tr>
<td></td>
<td>Newspaper 1, 2</td>
</tr>
<tr>
<td></td>
<td>Creative Writing 1, 2</td>
</tr>
<tr>
<td></td>
<td>Introduction to Journalism</td>
</tr>
<tr>
<td></td>
<td>English 5</td>
</tr>
<tr>
<td></td>
<td>AP English Literature, AP English Language</td>
</tr>
<tr>
<td>International Studies</td>
<td>French 1, 2, 3, AP</td>
</tr>
<tr>
<td></td>
<td>(Third level of same language required for major)</td>
</tr>
<tr>
<td></td>
<td>Spanish 1, 2, 3, 4, AP</td>
</tr>
<tr>
<td></td>
<td>(Third level of same language required for major)</td>
</tr>
<tr>
<td></td>
<td>Model United Nations</td>
</tr>
<tr>
<td>Social Studies</td>
<td>Sociology, Psychology, Criminal Justice</td>
</tr>
<tr>
<td></td>
<td>Law Education, History of Sport</td>
</tr>
<tr>
<td></td>
<td>Model United Nations</td>
</tr>
<tr>
<td></td>
<td>Pre-AP/AP U.S. History</td>
</tr>
<tr>
<td></td>
<td>AP European History, AP Human Geography</td>
</tr>
<tr>
<td></td>
<td>AP Psychology, AP U.S. Gov., AP Macroeconomics</td>
</tr>
<tr>
<td></td>
<td>AP Art History</td>
</tr>
</tbody>
</table>
### School of Business and Information Systems

<table>
<thead>
<tr>
<th>Cluster: Business Management and Administration</th>
<th>Required courses to complete major</th>
</tr>
</thead>
<tbody>
<tr>
<td>Majors</td>
<td>Select at least 4 from the same major</td>
</tr>
</tbody>
</table>
| General Management                              | Required courses:  
Entrepreneurship  
Accounting 1  
**Choose 2 from following:**  
| Operations Management                           | Required Courses:  
Virtual Enterprise 1  
Virtual Enterprise 2  
**Choose 2 from following:**  
Accounting 1, 2, Business Law, Entrepreneurship, Marketing, Integrated Business Apps, Fundamentals of Computing, Virtual Enterprise 3, 4  
Work-based Learning Credit |

<table>
<thead>
<tr>
<th>Cluster: Finance</th>
<th>Required courses to complete major</th>
</tr>
</thead>
<tbody>
<tr>
<td>Major</td>
<td>Select at least 4 from the same major</td>
</tr>
</tbody>
</table>
| Accounting                                      | Required Courses:  
Accounting 1, Accounting 2  
**Choose 2 from the following:**  
Entrepreneurship, Personal Finance  
Virtual Enterprise 1, 2, 3, 4, Integrated Business Apps  
Fundamentals of Computing, Work-based Learning Credit |

<table>
<thead>
<tr>
<th>Cluster: Information Technology</th>
<th>Required courses to complete major</th>
</tr>
</thead>
<tbody>
<tr>
<td>Major</td>
<td>Select at least 4 from the same major</td>
</tr>
</tbody>
</table>
| Programming and Software Development           | Required Courses:  
Computer Programming 1, Computer Programming 2  
**Choose 2 from the following:**  
Entrepreneurship, Foundations of Animation  
Fundamentals of Computing, Integrated Business Apps  
Web Page Design, AP Computer Science, Work-based Learning Credit |

<table>
<thead>
<tr>
<th>Cluster: Marketing, Sales and Service</th>
<th>Required courses to complete major</th>
</tr>
</thead>
<tbody>
<tr>
<td>Major</td>
<td>Select at least 4 from the same major</td>
</tr>
</tbody>
</table>
| Marketing Management                           | Required Courses:  
Marketing  
Marketing Management  
**Choose 2 from the following:**  
Sports/Entertainment Mgt., Entrepreneurship  
Accounting 1, 2, Business Law, Fundamentals of Computing, Virtual Enterprise 1, 2, 3, 4, Integrated Business Apps, Work-based Learning Credit |
## School of Engineering and Integrated Technologies

<table>
<thead>
<tr>
<th>Cluster: Agriculture, Food and Natural Resources</th>
<th>Required courses to complete major</th>
</tr>
</thead>
<tbody>
<tr>
<td>Majors</td>
<td>Select at least 4 from the same major</td>
</tr>
</tbody>
</table>
| Animal Science                                  | Agricultural Sci. and Tech  
Animal Science  
Small Animal Care  
Intro to Veterinary Science  
Equine Science  
Work-based Learning Credit |
| Environmental and Natural Resources             | Agricultural Sci. & Technology  
Environmental & Natural Resource Management  
Wildlife Science  
Aquaculture  
Outdoor Recreation  
Work-based Learning Credit |
| Horticulture                                    | Agricultural Sci. & Technology  
Intro to Horticulture  
Nursery, Greenhouse and Garden Center Technology  
Agribusiness  
Agriculture Work-based Learning Credit |
| Cluster: Science, Technology, Engineering and Math | Required courses to complete major |
| Majors                                          | Select at least 4 from the same major |
| Math                                            | Pre-Calculus CP or Honors  
Calculus H, AP Calculus AB , AP Calculus BC  
Statistics CP or Honors, AP Statistics |
| Project Lead the Way: Pre-Engineering           | Required Courses:  
Introduction to Engineering  
Principles of Engineering  
Choose 2 from the following:  
Digital Electronics, Civil Engineering, Comp. Integrated Manufacturing, Engineering Design & Dev.  
Aerospace Engineering |
| Science                                         | Physics CP or Honors  
Biology 2, Pre AP/AP Biology (2 units)  
Chemistry 2, AP Chemistry, AP Physics 1, Marine Science  
Environmental Science, Forensic Science |
| Cluster: Transportation, Distribution and Logistics | Required courses to complete major |
| Majors                                          | Select at least 4 from the same major |
| Automotive Technology                           | Auto Technology 1, 2, 3, Auto Technology 4H  
Work-Based Credit |
<table>
<thead>
<tr>
<th>Cluster: Education and Training</th>
<th>Required courses to complete major</th>
</tr>
</thead>
<tbody>
<tr>
<td>Major</td>
<td>Select at least 4 from the same major</td>
</tr>
</tbody>
</table>
| Early Childhood Education       | **Required Courses:** Child Development 1  
                                 | Early Childhood Education 1  
                                 | Early Childhood Education 2  
                                 | **Choose 1 from the following:** Education and Training Internship  
                                 | Teacher Cadet |

<table>
<thead>
<tr>
<th>Cluster: Health Science</th>
<th>Required courses to complete major</th>
</tr>
</thead>
<tbody>
<tr>
<td>Majors</td>
<td>Select at least 4 from the same major</td>
</tr>
</tbody>
</table>
| Biomedical Science – PLTW | Principles of Biomedical Sciences  
                                 | Human Body Systems  
                                 | Medical Interventions  
                                 | Biomedical Innovation H |
| Health Science         | Health Science 1, 2, 3, 4H |
| Sports Medicine        | **Required Courses:** Sports Medicine 1, 2, and 3  
                                 | **Choose 1 from the following:** Health Science 1, 2, 3, or 4  
                                 | Principles of Biomedical Sci.  
                                 | Human Body Systems |
| Diversified Health Science | Sports Medicine 1, 2, 3  
                                 | Health Science 1, 2, 3, 4H  
                                 | Principles of Biomedical Sciences  
                                 | Human Body Systems  
                                 | Medical Intervention  
                                 | Biomedical Innovation H |

<table>
<thead>
<tr>
<th>Cluster: Law and Public Service</th>
<th>Required courses to complete major</th>
</tr>
</thead>
<tbody>
<tr>
<td>Majors</td>
<td>Select at least 4 from the same major</td>
</tr>
</tbody>
</table>
| Law and Legal Services          | Law Education, Criminal Justice, Business Law  
                                 | Public Speaking, U.S. Government/Economics |
| Military Science                | JROTC 1 - 8  
                                 | Leadership Lab |

<table>
<thead>
<tr>
<th>Cluster: Hospitality and Tourism</th>
<th>Required courses to complete major</th>
</tr>
</thead>
<tbody>
<tr>
<td>Majors</td>
<td>Select at least 4 from the same major</td>
</tr>
</tbody>
</table>
| Culinary Arts                   | Culinary Arts Management 1  
                                 | Culinary Arts Management 2  
                                 | **Choose 1 from the following:** Food and Nutrition 1, Accounting 1, Entrepreneurship  
                                 | IBA, Fundamentals of Computing,  
                                 | Hospitality and Tourism Internship |
Fort Mill Schools 2020-2021  
CTE Programs  
Completer Requirements (current as of printing)

<table>
<thead>
<tr>
<th>Program</th>
<th>Completer</th>
</tr>
</thead>
</table>
| **Accounting**     | Accounting 1  
                    Accounting 2  
                    And one of the following:  
                    Entrepreneurship  
                    Personal Finance  
                    IBA 1                                                      |
| (3 courses)        |                                                                           |
| **Animal Science** | Agricultural Science and Technology  
                    Animal Science  
                    Small Animal Care  
                    Introduction to Veterinary Science or Agriculture WBL        |
| (4 courses)        |                                                                           |
| **Automotive Technology** | Automotive Technology 1  
                          Automotive Technology 2  
                          Automotive Technology 3  
                          Automotive Technology 4 or Auto WBL                         |
| (4 courses)        |                                                                           |
| **Culinary Arts**  | Culinary Arts Management 1  
                    Culinary Arts Management 2  
                    And one of the following:  
                    Foods and Nutrition 1  
                    Accounting 1  
                    Entrepreneurship  
                          |
| (3 courses)        |                                                                           |
| **Digital Arts & Design** | Digital Art and Design 1  
                          Digital Art and Design 2                                         |
| (4 courses)        |                                                                           |
| Early Childhood Education (4 courses) | Child Development 1  
Early Childhood Education 1  
Early Childhood Education 2  
And one of the following:  
Education and Training Internship (or Teacher Cadet)  
Entrepreneurship  
Foods and Nutrition 1  
Teacher Cadet – CTE |
|--------------------------------------|---------------------------------------------------------------|
| Environmental & Natural Resources (4 courses) | Agricultural Science and Technology  
Environmental and Natural Resources Management  
Wildlife Management  
Outdoor Recreation or Agriculture WBL |
| General Management (3 courses) | Accounting 1  
Entrepreneurship  
And one of the following:  
Accounting 2  
Business Law  
IBA 1  
Marketing  
Virtual Enterprise 1 |
| Graphic Communication (4 courses) | Graphic Communications 1  
Graphic Communications 2  
Graphic Communications 3  
Graphic Communications 4 or WBL |
| Health Science (3 courses) | Health Science 1  
Health Science 2  
And one of the following:  |
<table>
<thead>
<tr>
<th>Program</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Health Science 3</td>
<td></td>
</tr>
<tr>
<td>Human Body Systems</td>
<td></td>
</tr>
<tr>
<td><strong>Marketing Management</strong> (3 courses)</td>
<td>Marketing</td>
</tr>
<tr>
<td></td>
<td>Marketing Management</td>
</tr>
<tr>
<td></td>
<td>And one of the following:</td>
</tr>
<tr>
<td></td>
<td>Accounting 1</td>
</tr>
<tr>
<td></td>
<td>Business Law</td>
</tr>
<tr>
<td></td>
<td>Entrepreneurship</td>
</tr>
<tr>
<td></td>
<td>Sports and Entertainment Management</td>
</tr>
<tr>
<td><strong>Media Technology</strong> (4 courses)</td>
<td>Media Technology 1</td>
</tr>
<tr>
<td></td>
<td>Media Technology 2</td>
</tr>
<tr>
<td></td>
<td>Media Technology 3</td>
</tr>
<tr>
<td></td>
<td>Media Technology 4 or WBL</td>
</tr>
<tr>
<td><strong>Operations Management</strong> (3 courses)</td>
<td>Virtual Enterprise 1</td>
</tr>
<tr>
<td></td>
<td>Virtual Enterprise 2</td>
</tr>
<tr>
<td></td>
<td>and one of the following:</td>
</tr>
<tr>
<td></td>
<td>Accounting 1</td>
</tr>
<tr>
<td></td>
<td>Business Law</td>
</tr>
<tr>
<td></td>
<td>Entrepreneurship</td>
</tr>
<tr>
<td></td>
<td>IBA I</td>
</tr>
<tr>
<td></td>
<td>Virtual Enterprise 3</td>
</tr>
<tr>
<td></td>
<td>Virtual Enterprise 4</td>
</tr>
<tr>
<td><strong>PLTW Biomedical Science</strong> (3 courses)</td>
<td>Human Body Systems</td>
</tr>
<tr>
<td></td>
<td>Principles of Biomedical Science</td>
</tr>
<tr>
<td></td>
<td>Medical Interventions</td>
</tr>
</tbody>
</table>

23
| **PLTW Pre-Engineering**  
| (4 courses) | **Introduction to Engineering Design**  
| **Principles of Engineering**  
| and two of the following:  
| Aerospace Engineering  
| Civil Engineering and Architecture  
| Computer Integrated Manufacturing  
| Digital Electronics  
| Engineering Design and Development  
| Environmental Sustainability  
| **Sports Medicine**  
| (3 courses) | **Sports Medicine 1**  
| **Sports Medicine 2**  
| And one of the following:  
| Sports Medicine 3  
| Health Science 3  
|
# Course Descriptions

## Academic Courses
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- Occupational Studies Courses: 82
- Dual Credit Courses: 83-84

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ENGLISH COURSES

Students are expected to take English each year in high school.
All required English courses carry a pre-course reading component.

English 1 - CP 302402CW
Grade: 9
English 1 CP is a course in which students learn strategies to unlock the meaning of a variety of literary genres. There is a strong focus in this course on developing study, group and presentation skills and applying them to the study of English. Weekly writing assignments and vocabulary units will be assigned. Students will study vocabulary and the mechanics and usage of the English language. Students can expect to study, read or complete homework each night, including short overnight and long-term assignments. On a regular basis, students will be required to read a book of their choice and complete a related assignment. At the end of the course, the student will complete a portfolio to demonstrate their learning and describe their goals for the next year.

English 1 – H 302405HW
Grade: 8, 9
Prerequisite: For those taking the class in 8th grade GT qualification is required, for those taking the course in the 9th grade an “A” for a final grade in 8th grade ELA or an “Exceeds Expectations” score on most recent SC Ready in Reading, Teacher Recommendation

English I Honors is a year-long (middle school) / semester-long (high school) course in which students will participate in the study of a multi-genre curriculum to prepare students for future coursework in the AP English track in high school. This course emphasizes writing composition, analytical reading, and inquiry-based learning. The Honors level course will involve a more in depth and writing intensive study of English I. Students will be expected to read and analyze a variety of texts across various genres, utilize research and writing skills to complete projects, use critical thinking skills to evaluate and make connections between texts, and to communicate clearly their thoughts and opinions with fellow classmates and the teacher.

English 2 - CP 302502CW
Grade: 10
Prerequisite: English 1
This survey course of literature incorporates the integrated study of vocabulary, grammar, analysis and composition skills through the study of multicultural short stories, poetry, fiction, nonfiction, and drama. Students will utilize textbooks, novels, work-books and parallel texts. Compositions focus on literary analysis using literary terms, as well as narrative, expository and persuasive styles. The research process will be addressed through the literature component. Students will be required to present their work to their peers using available technology. **Students are required to take an End-of-Course exam provided by the SC State Department of Education which counts 20 percent of the final grade.**

English 2 - H 302501HW
Grade: 9
Prerequisite: Student must meet state criteria for Gifted and Talented and teacher recommendation or a B or higher in English 1 Honors
This course concentrates on an advanced study of selected literary works from various genres and eras. In addition, the course develops students’ skills in expository writing, listening, speaking, critical thinking, independent research, and vocabulary. Supplementary and pre-course reading is required. **Students are required to take an End-of-Course exam provided by the SC State Department of Education which counts 20 percent of the final grade.**
ENGLISH COURSES (continued)

English 3 - CP
Grade: 11
Prerequisite: English 2 CP or English 2 Honors
This course focuses on American literature. This course involves vocabulary development related to SAT-level words, improvement of grammar and usage, and persuasive research and composition. Literature includes a survey of the major periods, themes, and techniques of American literature. Supplementary reading is required.

English 3 - H
Grade: 10
Prerequisite: Student must meet state criteria for Gifted and Talented and teacher recommendation
This English course concentrates on the study of the historical context, literary movements, and writers’ techniques of each major period in American literature. In addition to the text, the course requires considerable supplemental reading during the semester, vocabulary development related to SAT-level words, independent research and composition, and research-based expository and persuasive writing.

English 4 - CP
Grade: 12
Prerequisite: English 3 CP or H
English 4 CP is a study of applied grammar through composition. Attention is given to good writing style with special emphasis on critical analysis. In addition, a survey of British literature is provided with emphasis on some of the major works such as Beowulf, Canterbury Tales, Macbeth, and novels by British or world authors. Parallel readings and extensive vocabulary studies are required. This course is designed for students interested in a four-year post-secondary education.

English 4 - H
Grade: 11
Prerequisite: English 3 H and/or teacher recommendation
English 4 Honors is a course designed to prepare students to take AP English the following year. Throughout the semester students review the rules of grammar through the composition process. Also, students analyze the elements of good writing style in English prose and in their own compositions. Composition requirements include reader responses, expository essays, analytical essays, and a literary-based research paper. Students are engaged in extensive vocabulary studies in order to prepare for the PSAT, SAT and ACT. This course provides a survey of British literature with an emphasis on works such as Beowulf, The Canterbury Tales, Macbeth, Paradise Lost, and Gulliver’s Travels. Students are also expected to read seven other designated parallel novels and/or plays by British or world authors. Students taking this course should be planning to pursue a four-year post-secondary education.

English 5- CP
Grade: 12
Prerequisite: English 4 CP
English 5 is designed to prepare students for college-level English courses. The course emphasizes reading and composition. Students will write in a variety of modes including literary analysis and descriptive, expository, and persuasive essays. The course emphasizes critical reading alongside vocabulary, grammar, and style. Students will carefully study literary genres including twentieth-century fiction and non-fiction, world literature, and classical drama.
ENGLISH COURSES (continued)

English 5 - H
Grade: 12  Prerequisite: English 4 CP or H and teacher recommendation
English 5 Honors is designed to prepare students for college-level English courses with advanced rigor. The course emphasizes composition with regards to critical reading and problem solving. Students will write in a variety of modes including literary analysis and descriptive, expository, and persuasive essays. The course emphasizes critical reading alongside vocabulary, grammar, and style. Students will carefully study literary genres including twentieth-century fiction and non-fiction, world literature, and classical drama.

AP English Language, AP English Literature
Grade: 12  Prerequisite: English 4 CP/H and Teacher recommendation
This two semester year long course provides a college-level study of writing and of literature. Students will be involved in careful reading of representative literary works, critical analysis of reading, and practice in writing exposition and argument, especially in response to literary selections. The Advanced Placement exams are required at the conclusion of the course. Students will be prepared for the language and the literature exam; those who achieve an adequate score on the AP exam(s) can earn college credit for the course.

Transition Reading 1
Grade: 9  Prerequisite: SC Ready scores, MAP scores, grades, diagnostic tests, recommendations from 8th grade teachers, and/or IEP are used for identification of students for this course.
This course is designed to remediate and strengthen reading and writing skills. Using a multi-sensory approach and research-based strategies, teachers will provide instruction in word decoding, reading comprehension, fluency, sentence and paragraph writing, grammar, and usage. The course is integrated into the English 1 curriculum and taught over the course of a year. This will be an elective course and will not count as an English credit towards graduation.

Transition Reading 2
Grade: 10  Prerequisite: SC Ready scores, MAP scores, grades, diagnostic tests, recommendations from 9th grade teachers, and/or IEP are used for identification of students for this course.
This course is designed to remediate and strengthen reading and writing skills and is a continuation of Transition Reading. Using a multi-sensory approach and research-based strategies, teachers will provide instruction in word decoding, reading comprehension, fluency, sentence and paragraph writing, grammar, and usage. The course is integrated into the English 2 curriculum and taught over the course of a year. This will be an elective course and will not count as an English credit towards graduation.

Public Speaking
Grades: 9, 10, 11, 12
This college preparatory elective is designed to introduce students to the foundations of proper communication and to provide practice for a variety of public speaking situations. Selected units may include interpersonal skills, debate, discussion, interviewing, broadcasting, and parliamentary procedure. The course will provide instruction in the preparation and delivery of formal and informal speeches.

Film & Fiction
Grades: 10, 11, 12  Prerequisite: English 2
Film & Fiction is an English elective designed to teach students how to appreciate serious films and the literary sources for those films. The course will involve reading novels, plays, and essays about film criticism and theory. The course will require tests and quizzes on assigned reading and film, as well as writing reviews and analytical essays.

For additional English electives, see Journalism courses. Description of Journalism courses may be found under Communications on pages 52-53.
This pathway is appropriate for students who plan to attend a four year institution.

The following course progressions are recommended for two year and four year college bound students. Universities have different requirements in accordance with the Commission on Higher Education. Please check with your school counselors to determine the most appropriate pathway.

**Pathway 1A (4 Year Institution)**

- **Algebra 1 CP** → **Geometry CP** → **Algebra 2 CP** → **Calculus CP**
- **Statistics CP** → **Pre-Calculus CP** → **Calculus Honors**
- **Algebra 3 CP** → **Statistics CP** → **Precalculus CP**

**Pathway 1B (4 Year Institution)**

- **Foundations in Algebra** → **Intermediate Algebra** → **Geometry CP** → **Algebra 2**
- **Probability and Statistics CP** → **Algebra 3 CP** → **Pre-Calculus CP**

**Pathway 2 (High School Graduation/Two Year Institution)**

- **Foundations in Algebra** → **Intermediate Algebra** → **Geometry CP** → **Probability and Statistics CP**
MATHEMATICS COURSES

Algebra 1 - CP (Mastery Algebra)  
Grades: 9, 10  
Prerequisite: Teacher Recommendation  
Mastery Algebra is the first level of college preparatory math. Emphasis is placed on solving linear equations and inequalities, basic operations, factoring of polynomials, and applying these concepts to solve real world problems. In this course, students must master each unit with a minimum grade of “C.” If this mastery is not achieved, the students are provided with ongoing tutoring and test corrections of non-mastered skills until mastery is achieved. Parental support is an integral part of this course. Students are required to have a scientific or graphing calculator which is used daily in completing assignments. Students are required to take an End-of-Course exam provided by the SC State Department of Education. This exam counts 20 percent of the student’s final grade.

Algebra 1 – H  
Grades: 8, 9  
Prerequisite: For students taking the course in the 9th grade they will need to have a final grade of A in 8th grade math or “Exceeds Expectations” score on most recent SC Ready in Math, teacher recommendation. For those students taking the course in 8th grade they are required to meet GT qualifications

Algebra 1 honors requires students to complete the course content that meets all SC Algebra 1 standards plus additional lessons and concepts beyond the state requirement for Algebra 1. Algebra uses variables to generalize and extend the laws of arithmetic. The student will acquire facility in applying algebraic concepts and skills to real world problems. Students continue the study of algebraic concepts including operations with real numbers and polynomials, relations and functions, creation graphing and application of linear functions and relations and an introduction to non-linear functions. This course is the basis for all further study of secondary mathematics therefore mastery is essential. This course aligns with the South Carolina Academic Standards for Mathematics for Algebra 1 and the Mathematical Practice Standards. This course will include the study of the real number system, linear equations and inequalities, polynomials and factoring, graphing and modeling of functions and relations, quadratic and exponential relationships, as well as irrational numbers and descriptive statistics.

This course is intended to challenge the highly motivated and high-performing student desiring an advanced study of mathematics. All Algebra 1 honors students must participate in the South Carolina End-of-Course Examination Program. This exam counts for 20% of the final grade.

Foundations in Algebra  
Grades: 9, 10  
Prerequisite: Teacher Recommendation  
This course emphasizes the application of algebraic concepts and skills. Students apply problem-solving techniques, estimation skills, and measurement skills to solve contextual and mathematical problems, including applications related to geometry, data analysis, and statistics. Students work within the real number system to solve problems requiring the use of linear, quadratic, and exponential functions. Students also use graphing techniques to solve problems, including graphing calculators and/or computer software as appropriate.
MATHEMATICS COURSES (continued)

Transition Math 1 379935CW
Grade: 9
Prerequisite: SC Ready scores, MAP scores, grades, diagnostic tests, recommendations from 8th grade teachers, and/or IEP are used for identification of students for this course.
This course is designed to remediate and strengthen math skills. Using a multi-sensory approach, teachers will instruct using small steps to assure mastery of basic skills. The course is integrated into the Foundations in Algebra curriculum and taught over the course of a year. This will be an elective course and will not count as a math credit towards graduation.

Intermediate Algebra 411700CW
Grades: 9, 10
Prerequisite: Foundations in Algebra
This course emphasizes the application of algebraic concepts and skills to solve mathematical and contextual problems that can be modeled with linear, quadratic, exponential and rational functions. These problems may include scenarios related to geometry, data, statistics, direct variation, and inverse variation. Students also use graphs and tables to display and solve problems using graphing calculators and/or computer technology as appropriate. Students are required to take an End-of-Course exam provided by the SC State Department of Education. This exam counts 20 percent of the student’s final grade.

Transition Math 2 379936CW
Grade: 10
Prerequisite: Aspire scores, MAP scores, grades, diagnostic tests, recommendations from 9th grade teachers, and/or IEP are used for identification of students for this course.
This course is designed to remediate and strengthen math skills. Using a multi-sensory approach, teachers will instruct using small steps with much repetition to assure mastery of basic skills. The course is integrated into the Intermediate Algebra curriculum and taught over the course of a year. This will be an elective course and will not count as a math credit towards graduation.

Geometry - CP 412202CW
Grades: 9, 10, 11
Prerequisite: Successful completion of Algebra 1 or Intermediate Algebra
Geometry CP concepts are introduced visually, inductively, and deductively by a variety of methods. Topics include inductive and deductive reasoning (proof), properties of polygons, constructions, transformations, area, volume, right triangles, similarity, and trigonometry. Students are required to have a scientific (TI30xIIIS) or graphing calculator (TI-84).

Geometry - H 412201HW
Grades: 9, 10
Prerequisite: B average in Algebra 1 and teacher recommendation
Honors Geometry uses an inductive approach in which students perform investigations. Students analyze the results to develop rules and formulas based on patterns in their observations. Concepts are introduced visually, inductively, analytically, and finally deductively (proof). Topics are the same as studied in Geometry CP. The Honors level emphasizes deductive proof, independent thought and development of study skills. Students are required to have a scientific or graphing calculator which is used daily in completing assignments.
MATHEMATICS COURSES (continued)

Algebra 2 - CP, SAT/ACT Improvement 411202CW, 401100CW
Grades: 10, 11, 12
Prerequisite: Geometry and teacher recommendation
This program of paired courses will be offered for one class period over two semesters. Students will have the opportunity to learn and reinforce Algebra 2 concepts over two semesters. In addition, students will develop test preparation skills for SAT, ACT or other college placement tests. Students will earn one unit of Algebra 2 and one unit of SAT/ACT Improvement.

Algebra 2 - CP 411502CW
Grades: 10, 11, 12
Prerequisite: C Average in Algebra 1 CP and Geometry CP; A average in Intermediate Algebra and teacher recommendation
Algebra 2 extends the knowledge of all concepts studied in Algebra 1 and unifies them with those concepts studied in Geometry. Topics introduced are the set of complex numbers, and rational exponents. A graphing calculator (TI-84) is strongly recommended. Students are encouraged to be enrolled or have taken Algebra 2 before taking the SAT.

Algebra 2 - H 411501HW
Grades: 10, 11, 12
Prerequisite: B average in both Geometry Honors and Algebra 1
Algebra 2 extends the knowledge of all concepts studied in Algebra 1 and unifies them with those concepts studied in Geometry. Topics introduced include the set of complex numbers, rational exponents, exponential and logarithmic functions, and advanced polynomial functions. Applying concepts to real world problem solving is emphasized. Students are strongly encouraged to have a scientific and graphing calculator. TI-84 is the graphing calculator used for instruction.

Algebra 3 - CP 411302CW
Grades: 11, 12
Prerequisite: Algebra 2 and teacher recommendation
This course is intended to prepare students for pre-calculus and beyond. Algebra 3 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 mathematical concepts to solve problems. The course will include a study of polynomial, rational, exponential, logarithmic, conics, matrices and trigonometric functions. A graphing calculator (TI-84) is strongly recommended.

Pre-Calculus - CP 413102CW
Grades: 11, 12
Prerequisite: C average in Algebra 2
This course develops a firm grasp of the underlying math concepts of precalculus while using algebra as a tool. Solving real-life problems are studied through the use of discovery and exploration, integrated technology and consistent problem solving strategies. Topics found in this course include functions, exponents, logarithms, conics, matrices, graphs and trigonometry. A graphing calculator (TI-84) is strongly recommended.

Pre-Calculus - H 413103HW
Grades: 11, 12
Prerequisite: B average in Algebra 2 Honors
This course is designed for the student who successfully completed Algebra 2 Honors. Topics found in this course are functions, exponents, logarithms, matrices, polar coordinates, and trigonometry. The correlation between the topics discussed and the real world are found in problem solving activities. A graphing calculator (TI-84) is strongly recommended.
MATHEMATICS COURSES (continued)

Calculus - H 413500HW
Grade: 12
Prerequisite: C average in Honors Pre-Calculus; B average in Pre-Calc CP and teacher recommendation
Calculus is the mathematics of motion and change. The course will cover first year calculus in two parts: differential and integral calculus. A graphing calculator (TI-84) is strongly recommended.

AP Calculus AB and BC 417020AW, 417200AW
Grades: 11, 12
Prerequisite: A in Pre-Calc CP or B or better in Pre-Calc Honors and Teacher Recommendation
Two Semesters: AP Calculus AB Fall, AP Calculus BC Spring (2 units)
This course provides a study of limits and their properties; modeling and regression; differentiation; applications of differentiation, related rates, optimization and curve sketching; integration; applications of integration including area, volume, work, and force; logarithmic differentiation, differential equations, trigonometric integrals, inverse trig functions differentiation, and integration, integration by parts, and power series and polar area. Students are required to take the AP Calculus BC examination in May. Both a BC and an AB sub-scores on the AP Exam will be forwarded to selected colleges. The course content corresponds to the syllabus established by the College Board Advanced Placement Program. A graphing calculator is required.

Probability and Statistics – CP 414100CW
Grades: 11, 12
Prerequisite: Geometry CP or Algebra 2 and teacher recommendation
Data collection, description and analysis are studied as ways to report findings and build mathematical models for prediction and decision making. Statistics assess the usefulness of models. Applications to business, social science and health science are included. A graphing calculator (TI-84) is strongly recommended.

Probability and Statistics - H 414101HW
Grades: 11, 12
Prerequisite: C or better in Algebra 2H/Pre-Calculus H or B or better in Alg2 CP/Pre-Calculus CP
This advanced level math course prepares students for entering AP Prob/Stat or an introductory college course in statistics. Data collection, description and analysis are studied as ways to report findings and build mathematical models for prediction and decision making. Probability is used to assess the usefulness of models. Applications to business, social science and health science are included. Designing experiments and testing hypotheses are included in this course. Binomial and geometric distributions are introduced. A graphing calculator (TI-84) is strongly recommended.

Statistics - AP 417100AW
Grade: 11, 12
Prerequisite: Statistics H must be taken in consecutive semesters
This is an advanced level math course which prepares students for a national AP Statistics exam. An adequate score on the national exam may earn college credit for an introductory college course in statistics. Choosing data collection methods, designing experiments and testing hypotheses are included in this course with additional emphasis being given to communicating and justifying methods and conclusions. A graphing calculator (TI-84) is strongly recommended.
**FMSD High School Science Course Pathways**  
**Physical Science is not considered a lab science.**

### Honors Pathway

- Physical Science Honors
- Biology Honors
- Chemistry 1 Honors
- Physics 1 AP
- Physics Honors
- Chemistry 2 Honors/AP Chemistry
- Pre AP/AP Biology
- Biology 2 Honors
- AP Environmental Science

### College Bound Pathway

- Physical Science CP
- Biology 1 CP
- Chemistry 1 CP
- Forensic Science CP
- Physics CP
- Environmental Science CP
- Earth Science CP
- Marine Science CP
- Biology 2 Honors
- Chemistry 2 Honors

### High School Graduation Pathway

- Physical Science CP
- Biology 1 CP
- Environmental Science CP
- Chemistry CP
- Forensic Science CP
- Physics CP
- Marine Science CP

These three (3) pathways are based on the typical course progression. Actual course registration is based on grades and teacher recommendations. Students may move between pathways. Most colleges and universities require three (3) lab sciences for admission. All of our science courses are considered lab sciences except for Physical Science CP and Honors. Please consult your guidance department for more information.
Physical Science - CP  
*Grade: 9*  
This course is designed to provide a background for enrollment in Chemistry and Physics. Students will spend nine weeks studying basic chemistry: the composition of matter, how elements behave, and how elements combine to form new substances. The second nine weeks introduces topics in basic physics including the laws of motion, work and machines, and some of the different forms of energy. This course develops laboratory skills and problem solving skills.

Physical Science - H  
*Grade: 9*  
*Prerequisite: Teacher Recommendation, Algebra 1, A in 8th grade science*  
This honors level course is designed to introduce the basic scientific concepts of chemistry and physics needed for further study in the sciences. The course will challenge students to use higher level thinking skills and problem solving through laboratory investigations and data analysis. Chemistry topics include composition of matter and how elements behave and combine to form new substances. Physics topics include laws of motion, work and machines, and energy.

Biology 1 - CP  
*Grade: 10*  
*Prerequisite: Physical Science CP*  
In this course, the student explores areas of cellular biology, genetics, ecology and evolution. The course may include dissections as well as other laboratory exercises. Projects are required. Students are required to take an End-of-Course exam provided by the SC State Department of Education. This exam counts 20 percent of the student’s final grade.

Biology 1 - Honors  
*Grade: 10*  
*Prerequisite: A in Physical Science CP and Algebra 1, C or better in Physical Science H*  
This course is a rigorous college preparatory biology class for highly motivated students who have demonstrated excellent study skills and high aptitude in science, math and/or English. The course will cover basic chemistry, cellular biology, genetics, evolution, classification, and inquiry skills in greater depth than Biology CP. The course will emphasize critical thinking and writing skills, laboratory skills, calculating data, graphing and essay exam questions. Students planning on enrolling in AP Biology or AP Chemistry should take this course. Students are required to take an End-of-Course exam provided by the SC State Department of Education. This exam counts 20 percent of the student’s final grade.

Chemistry 1 - CP  
*Grade: 11, 12*  
*Prerequisite: Biology 1 CP and Algebra 2*  
Chemistry 1 is a college preparatory course designed to provide the college bound student with a well-rounded background in chemistry. The course seeks to help the student develop fundamental problem solving skills and provides the student with knowledge of chemistry and its effects on their daily lives. The student will be exposed to basic chemistry concepts, will learn how to use standard chemistry lab equipment, and will develop skills needed to enter a first year college chemistry course.
SCIENCE COURSES (continued)

Chemistry 1 - H
Grades: 10, 11
Prerequisite: C or better in Biology 1 H, Physical Science H, and Algebra 2 H; or an A or better in the CP levels of these same courses.
Chemistry 1 Honors is an accelerated college preparatory chemistry course. This course is designed for highly motivated students who have demonstrated excellent study skills and high aptitude in math and science. Chemistry topics are the same as in Chemistry 1 CP, but they are covered in much more theoretical depth and more strenuous mathematical expectations. Students planning on enrolling in AP Biology or AP Chemistry should take this course.

Chemistry 2 - H
Grades: 11, 12
Prerequisite: C or better in Chemistry 1 H and Algebra 2 H
Chemistry 2 is an advanced course designed for students who have an interest in science or who have career interests which require a strong chemistry background: medicine, engineering, or science majors. Emphasis is placed on developing good laboratory and problem solving skills especially in the areas of environmental chemistry, electrochemistry, nuclear chemistry, chemical analysis, solution chemistry, and organic. Chemistry in the "real" world is introduced on a continuing basis. Chemistry 2 provides students with the additional skills needed for chemistry courses required of science and engineering majors. Chemistry 2 Honors is the prerequisite for AP Chemistry.

Chemistry - AP
Grades: 11, 12
Prerequisite: Chemistry 2 H must be taken in consecutive semesters
This course is designed to be the equivalent of the general chemistry course usually taken during the first year in college. In this course, students will pursue a more in-depth study of topics covered in Chemistry 2 as well as other topics covered in the AP Chemistry course from The College Board. These topics include structural isomerism, organic chemistry, kinetics and thermodynamics as well as a review of topics from Chemistry CP such as gas laws and reactions. Accompanying lab work will give the students additional practice with data analysis, and expressing themselves with clarity and logic. The required AP Exam at the end of the course may lead to college credit.

Physics - CP
Grades: 11, 12
Prerequisite: C average in Intermediate Algebra or Algebra 1, Physical Science CP, or Biology CP
Physics CP is designed to provide students with a clear and logical understanding of the concepts and principles of Physics and prepare them to use Physics in their lives. To meet this objective, emphasis is placed on applications of Physics concepts and principles through hands-on learning experiences in the laboratory. The course also provides students with problem-solving methodology on a continuous basis to re-emphasize concepts. Major topics covered include: forces, motion, energy, momentum, waves and electricity. CP Physics is a science elective intended for students going to either a four year or two year institution of higher education, but Physics Honors is more appropriate for students seeking further education in an engineering or STEM major.
**Physics - H**  
*324100HW*

*Grades: 11, 12*

*Prerequisite:* C or better in Algebra 2 H, Biology H and/or Chemistry H or an A in the CP levels of these same courses

Honors Physics is designed to provide students with a clear and logical understanding of the concepts and principles of physics. Secondly, the course is designed to strengthen students’ understanding through applications to the real world. To meet these objectives, the emphasis is on sound reasoning capabilities and problem-solving methodology. The mathematical techniques include Algebra, Geometry, and Trigonometry. The laboratory experience is essential to learning and understanding physics and will play an important role. Major topics covered include forces, motion, energy, momentum, waves, optics, and electricity.

**Physics 1 – AP**  
*328200AW*

*Grades: 10, 11, 12*

*Prerequisites:* C or better in Algebra 2 H, Biology H and/or Chemistry H or an A in the CP levels of these same courses

AP Physics 1 is an algebra-based, introductory college-level physics course. Students cultivate their understanding of Physics through inquiry-based investigations as they explore these topics: kinematics; dynamics; circular motion and gravitation; energy; momentum; simple harmonic motion; torque and rotational motion; electric charge and electric force; DC circuits; and mechanical waves and sound (from the College Board).

**Biology 2 - H**  
*322200HW*

*Grade: 12*

*Prerequisite:* C or better in Biology 1 H and C or better in Chemistry 1 H; or B in the CP levels of these same courses

This course is designed for the student with an interest in biology, particularly in the medical field. It will prepare students for a college level biology course. Biology 2 includes an extensive study of molecular biology and genetics. Laboratory work and projects are an integral part of the course.

**Biology - Pre-AP Honors/AP**  
*329910HW, 327220AW*

*Grades: 11, 12*

*Prerequisite:* B in Biology 1 H and Chemistry 1 H or an A in the CP levels of these same courses and teacher recommendation

*Pre AP and AP must be taken in consecutive semesters.*

This course is modeled after a college-level biology course. This course includes an in-depth study of cell biology, genetics, animal physiology, botany, and ecology. Journal readings and extensive laboratories are incorporated within the curriculum. The required AP Exam at the end of the course may lead to college credit. The course is recommended for science majors and other students very interested in life science.

**Environmental Science - CP**  
*326100CW, 326133CW*

*Grades: 11, 12*

*Prerequisite:* Successful completion of Biology 1 CP

This course combines concepts from biology and chemistry to learn about the interaction between humans and the environment. Students explore and apply ecological concepts to environmental issues. This class consists of lab work, field studies, and school environmental projects. Students research current environmental issues so that they can form educated opinions in order to debate with their peers.
Environmental Science - AP
Grades: 11, 12
Prerequisite: Biology 1 CP, Chemistry 1 CP, Algebra 2 CP
This course is designed to be the equivalent of a one-semester introductory college course in environmental science. It is an interdisciplinary course that encompasses biology, chemistry, geology, earth science, and geography. Students will be expected to master much of the content outside of class, so ample class time is allowed for labs. Students will study the scientific principles, concepts and methodologies necessary to understand the complex relationships of the natural world, identification and analysis of environmental problems, evaluation of the relative risks associated with these problems and the examination of alternate solutions for resolving or preventing these problems.

Earth Science - CP
Grade: 12
Prerequisite: Biology 1, Chemistry 1
This course provides students with a basic knowledge of the natural world that will serve as the foundation for more advanced secondary and postsecondary courses and will also give them the science skills necessary for earth science oriented science careers. All Earth Science courses are laboratory courses (30% lab).

Marine Science - CP
Grades: 11, 12
Prerequisite: Biology 1 CP
Through laboratory activities and simulations, exciting field experiences, and integrated graphic lectures students will be exposed to the wide range of topics that are related to the marine environment. Such topics that will be covered include: marine geology; sea-floor spreading and plate tectonics; chemistry of oceans; tides, waves, oceanic circulation and currents; the ecology of pelagic and benthic organisms, including those from rocky coasts, unconsolidated shores, and coral reefs; island biology; benthic plants and phytoplankton; zooplankton and nekton; marine invertebrates, fishes, reptiles, birds and mammals; marine productivity and fisheries; marine pollution and conservation. Laboratory and field work focuses on the diverse marine ecosystem of the South Carolina coastline.

Forensic Science – CP
Grades: 11, 12
Prerequisite: Biology 1
Forensic Science is a multidisciplinary course that includes concepts of chemistry, anatomy, genetics, physics, medicine, mathematics, psychology, communications and law, in order to help solve crimes. This class will involve labs, case studies and projects. Students enrolled in this course will learn to utilize complex problem solving skills using numerical data, evidence, uncertainty and logical reasoning. This course will cover the topics of search and seizure, processing crime scenes, fingerprints, hair and fiber analysis, impressions, serology and DNA, blood spatter, toxicology, firearms and explosives, osteology and autopsy, and photography.
SOCIAL STUDIES COURSES

World Geography - CP  
Grade: 9, 10, 11, 12  
Prerequisite: Strongly recommended for all 9th graders  
In World Geography CP emphasis is placed on providing the student with an understanding of the major world regions and their relationship with the US. The course follows the guidelines established by the National Geography Standards. The first segment will focus on map skills, internal and external global forces, the earth’s structure, climate patterns and population patterns. The remaining portion of the course will involve exploring the political, cultural and physical make-up of each of the world’s major regions including North America, South America, Asia, Europe, Middle East, Africa and Australia. The ultimate goal is to stimulate interest in world events while fostering an attitude of tolerance.

World Geography - H  
Grade: 9  
Prerequisite: It is strongly recommended that students be enrolled in Honors English and/or have the recommendation of a social studies teacher.  
This course provides academically talented students an opportunity to experience a more in-depth survey of World Geography. This course emphasizes the study of the five themes of geography through research and analysis of the modern world. Students will study the physical, economic, political, social and environmental factors that shape our world today. The students will examine the world by looking at current events and global trends through the use of primary and secondary source documents, multimedia, essay writing, debates, and other assigned projects.

Human Geography - AP  
Grade: 9  
Prerequisite: A average in English 1 and Social Studies in 8th grade, teacher recommendation. Additionally, students must have the highest rating on their most recent SC Ready reading score (or equivalent from another state).

AP Human Geography presents high school students with the curricular equivalent of an introductory college-level course in human geography. Content is presented thematically rather than regionally and is organized around the discipline’s main subfields: economic geography, cultural geography, political geography, and urban geography. The approach is spatial and problem oriented. Case studies are drawn from all world regions, with an emphasis on understanding the world in which we live today. Historical information serves to enrich analysis of the impacts of phenomena such as globalization, colonialism, and human-environment relationships on places, regions, cultural landscapes, and patterns of interaction.

World History - CP  
Grades: 10, 11, 12  
Prerequisite: Strongly recommended for all 10th graders  
World History CP involves the study of major civilizations of the past and their contributions to the world as it exists today. Students will analyze why, when and where civilizations developed, declined and influenced culture in the modern world.
SOCIAL STUDIES COURSES (continued)

World History - Honors/Pre-AP 336000HW
Grades: 10, 11, 12
Prerequisite: It is strongly recommended that students be enrolled in English Honors and/or have the recommendation of a social studies teacher.
World History Honors is a comprehensive study of world history and human interaction from the Roman Empire through the problems of the present day. The course includes the development and evolution of politics, economics, and cultures in the emergence of the modern world. Students will be expected to read supplemental literary selections and to engage in critical analysis of primary sources and cultural comparisons. There is a strong analytical writing component and research skills are expected. The course helps prepare students for AP U.S. History.

European History - AP 337600AW
Grades: 10, 11, 12
Prerequisite: World Geography Honors (A or B), teacher recommendation, Pre-AP Honors World History must be taken in consecutive semesters
This course provides an opportunity for academically talented students to experience a survey history course taught at a college level. The study of European history since 1450 introduces students to cultural, economic, political, and social developments that played a fundamental role in shaping the world in which we live. The students will examine the interpretation of historical events and trends, through the use of documents, essay writing, and special projects. Students are expected to understand the themes of European history, to develop historical thinking skills and be able to express this understanding in writing. This is a college level and not a college preparatory course. Success on the AP exam may render college credit.

United States History - CP 332001CW
Grade: 11
This course provides a general survey of the major political, diplomatic, economic, and social developments in the United States since the settlement of North America. Current events in domestic and foreign policy are developed within the context of the American experience. This course emphasizes the use of historical documents and developing the analytical writing skills that are needed for college level work. U.S. History is required by the state for graduation. Students are required to take the state End-of-Course exam. This exam counts 20 percent of the student’s final grade.

United States History – H 332000HW
Grade 11
Prerequisite: B or higher World Geography Honors or World History Honors
United States History and Constitution is a semester-long course in which students will study the major people, places, events, and ideas in United States History as well as the organization and function of our government and Constitution. The course is designed to give students an understanding of the historical events that have shaped the nation and the ideas and people behind them. This course is also designed to give students the necessary information and skills to be successful on the South Carolina End of Course Examination that will be given upon completion of the course. This exam is worth 20% of the student’s overall grade for the year in the course. The Honors level course will involve a more in depth and writing intensive study of American History. Students will be expected to read and analyze primary and secondary sources, utilize research and writing skills to complete projects, use historical thinking skills to evaluate evidence relating to various events in history and be able to communicate thoughts and opinions well with fellow classmates and the teacher.
United States History - Pre-AP H/AP  
**Grade:** 11  
**Prerequisite:** Requirements set by Social Studies Department. Pre-AP and AP must be taken in consecutive semesters.  
This course provides an opportunity for academically talented students to experience a survey history course taught at a college level. An examination of political, social, economic, cultural, and foreign policy trends in America’s development is emphasized. The students will examine the interpretation of historical events and trends, through the use of documents, essay writing, and special projects. This is a college level and not a college preparatory course. Success on the AP exam may render college credit. Students are also required to take an End-of-Course exam provided by the SC Department of Education. This exam counts 20 percent of the student’s final grade.

United States Government/Economics - CP  
**Grade:** 12  
Government/Economics deals with the unique relationship between a democratic government and a capitalist economic system. Federal, state and local governments are closely examined to determine how our federal system works in the United States. Strong emphasis is placed on South Carolina government and the local government in York County. Economics takes an in-depth look into the workings of the capitalist system that is used in the United States. Supply and demand, labor, taxation, money and banking, the Federal Reserve: Investments and the markets, unemployment and inflation, and international trade are units that are covered extensively. A thorough understanding of the relationship between government and economics is conducted through each unit of study.

United States Government/Economics – H  
**Grade:** 12  
**Prerequisite:** B or higher in U.S. History Honors or U.S. History AP  
Honors Government and Economics is a semester-long course which satisfies the state graduation requirement as well as serving as a platform for college bound students. It also is the pre-requisite for students wishing to move on to AP Economics and/or AP Government. The Government portion of this course is designed to give students an understanding of the foundations of the Federal Government, individual rights, political participation, and the structure and function of the three branches of government. The Economics portion of this course is designed to give students an understanding of different Economic systems, supply, demand, pricing, and market structures. The Honors level course will involve a more in-depth and rigorous study of both subjects, preparing the students for higher level learning. Students will be expected to read and analyze political primary and secondary sources as well as create and interpret Economic graphs and charts. Students will learn higher level problem solving, critical thinking, and analytic skills in this course.
SOCIAL STUDIES COURSES (continued)

United States Government – AP 337300AW
Grade: 12
Prerequisite: Successful completion of U.S. Government/Economics Honors
AP United States Government and Politics is a one semester class taught as a college-level introduction to key political concepts, ideas, institutions, policies, interactions, roles and behaviors that characterize the constitutional system and political culture of the United States. Students will read and analyze U.S. foundational documents, Supreme Court decisions, and other texts and visuals to gain an understanding of the relationships and interactions between political institutions and behavior. They will read and interpret data, develop evidence-based arguments and engage in an applied civics or politics research-based project.

Macroeconomics - AP 337400AW
Grade: 12
Prerequisite: Government/Economics Honors successfully completed in first semester
AP Macroeconomics is a one-semester course offered during second semester. The course focuses on a college level study of Macroeconomic concepts, including international trade, currency exchange, production possibilities and trade-offs, supply and demand, measures of economic performance, the circular flow of goods and services, fiscal and monetary policy, money and banking, productivity and unemployment, budget deficits and inflation, and the supply/demand side economic policies. Students will have the opportunity to obtain possible college credit for Macroeconomics by passing the AP exam. Students will also have the opportunity to obtain possible college credit for Microeconomics if the student chooses to take and passes the Microeconomics AP exam.

Criminal Justice - CP 339991CW
Grades: 11, 12
Criminal Justice CP is the study of criminal law with an emphasis on the study of police, courts and the prison system. Criminal Justice CP involves the in-depth examination of people, institutions and important societal issues.

Psychology - CP 334000CW
Grades: 11, 12
This course is designed for the college bound student. The students are introduced to a variety of topics including the study of the physiological foundations of behavior, learning, motivation, emotions, perception, human development, personality and abnormal behavior. Projects and readings are required.

Psychology - AP 437100AW
Grades: 11, 12
Prerequisite: Teacher Recommendation, honors level English or Social Studies recommended
Advanced Placement Psychology is a general overview of the field of psychology. This rigorous college level course is designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each major subfield within psychology. Students also learn about the ethics and methods psychologists use in their science and practice. Success on the AP exam may render college credit.

Law Education 333600CW
Grades: 10, 11, 12
This is a course in general law. The emphasis is on application and understanding of basic criminal and civil law including juvenile justice and individual rights. Active involvement in group activities, discussions, mock trials and class participation is required.
SOCIAL STUDIES COURSES (continued)

Sociology - CP  
Grades: 10, 11, 12  
This course is designed for the college bound student. The students will examine the interaction of social groups within various societies. Group projects, open forum discussions, and scientific research are utilized in studying social issues and problems. Students will apply their sociological skills to understand current social issues. There are required readings and writing assignments.

The History of Sport  
Grades: 11, 12  
The History of Sport will analyze the development and impact of sport(s) in America. Students will interpret research based texts about the historical origins and development of sports in America as well as worldwide, political, social, cultural, economic, and intellectual concepts through the history of sport. Students will understand why and how sports have become a popular cultural phenomenon and be able to develop products that will exhibit higher cognitive levels in the process. Students will also learn a greater appreciation for the issues that have affected sports such as gender, discrimination, race, bias, and class economics and develop an awareness of these implications in their own lives. Last, students will also be able to communicate the influence that commercialization has within and outside the sports world.

Mock Trial - CP  
Grades: 10, 11, 12  
The Mock Trial course includes the fundamentals of arguing a case in a court of law. Students will learn how to present evidence to a jury by following rules of evidence and trial procedures as a real lawyer would in a South Carolina courtroom. Students will have the opportunity to perform the roles of witness and attorney. This course also serves as a companion to the Mock Trial Team (students in the course are not required to join the Mock Trial team), and will use the case materials from this as the primary text.

Model United Nations/Debate - H  
Grade: 11, 12  
Prerequisite: Teacher Recommendation  
This course is designed around the structure and purpose of the United Nations. It provides the student an opportunity to debate global issues from the perspective of another nation. The course introduces the students to research, writing resolutions, debating skills, global issues, and the rules of procedure used at the UN.
ARTS AND HUMANITIES ELECTIVES:

Visual Arts

Drawing 1 - CP
Grades: 9, 10, 11, 12
Students are introduced to new drawing skills; they will also improve and supplement existing drawing skills. They will practice techniques that reinforce the elements and principles of design using a variety of drawing media. Historical art periods, artists and styles will be incorporated into the studio projects. The students will begin sorting and building portfolios of their work.

Drawing 2 - CP
Grades: 10, 11, 12
Prerequisite: Drawing 1
Advanced drawing students who exhibit initiative and creativity will improve drawing skills and develop originality through both actual and conceptual subject matter using a variety of drawing media. Historical art periods, artists and styles will be incorporated into the studio projects. Portfolio building will be continued.

Painting 1 - CP
Grades: 10, 11, 12
Prerequisite: Drawing 1
Beginning painting students will learn basic painting techniques and explore color theory using tempera, watercolor, and acrylics. Historical art periods, artists and styles will be incorporated into the studio projects.

Painting 2 - CP
Grades: 10, 11, 12
Prerequisite: Drawing 1 and Painting 1
Advanced painting students who exhibit initiative and creativity will sharpen painting skills by working with more complex subject matter and advanced color theory. Historical periods, artists and styles will be incorporated into projects. Experimentation and portfolio building are emphasized.

Ceramics 1 - CP
Grades: 9, 10, 11, 12
This course is an introductory studio art course in the area of three-dimensional design of ceramics. Students will not only be introduced to the properties of clay, but will study ceramic history, develop a ceramics vocabulary and will produce work using techniques such as slab, coil and pinch. In addition, they will study sculpting and glazing techniques, thus producing numerous clay projects.

Ceramics 2 - CP
Grades: 10, 11, 12
Prerequisite: Ceramics 1
This course is designed to provide students with more advanced techniques in Ceramics such as thrown and altered forms, slip casting, glaze chemistry, alternative firing processes, and advanced hand-building. Students will continue to develop their skills and knowledge in the history of ceramic arts, art aesthetics, and art criticism.
ARTS AND HUMANITIES ELECTIVES: Visual Arts (cont.)

3-D Design/Sculpture - CP 350300CW
Grades: 10, 11, 12
Prerequisite: Drawing 1 or Ceramics 1
Students will explore three dimensions in a variety of materials. Historical art periods, artists and styles will be incorporated into the studio projects. Sculpting techniques based on historical styles and artists will be practiced.

Photography - CP 351400CW
Grades: 10, 11, 12
Prerequisite: Drawing 1 or Portfolio Review
Photography is a course designed to teach students the basics of correct camera use, photo alteration, and experimental uses of the digital camera with the computer software. The class will explore these basics with a carefully thought out program of appropriate assignments, the keeping of a photo journal and written assignments.

Portfolio Art - H 350420HW
Grades: 11, 12
Prerequisite: 3 prior Art Courses, Teacher Recommendation, Portfolio Review
This honors art course is designed for 4th level advanced art students and prospective Advanced Placement Studio Art students. Students will build a portfolio of excellent art work to be presented for scholarship, college entrance, and for Advanced Placement studio art. Focus areas will be: research, critique, developing artistic style, advancing proficiency with a variety of 2 and 3 dimensional media, art display, and competition.

Studio Art - AP - 2D Design, Drawing, or 3D Design 357400AW, 357401AW, 357402AW
Grades: 11, 12
Prerequisite: Portfolio Art - H should be taken the semester prior to AP Art
The advanced, serious, self-motivated students will demonstrate creativity, expressiveness, and initiative through a study of AP curriculum in studio art. The students will compile a portfolio to be judged by the College Board for credit. Students may take any of the AP choices.

Art History - AP 357100AW
Grades: 10, 11, 12
Prerequisite: It is strongly recommended that a student be enrolled in an AP History or AP Fine Arts course and have recommendation from a teacher.
AP Art History is designed to be the equivalent of a two-semester introductory college or university art history survey course. The AP Art History course explores such topics as the nature of art, its uses, its meanings, art making, and responses to art. Through investigation of diverse artistic traditions of cultures and prehistory to the present, the course fosters in-depth and holistic understanding of the history of art from a global perspective. Students learn and apply skills of visual, contextual, and comparative analysis to engage with a variety of art forms, constructing understanding of individual works and interconnections of art-making processes and products throughout history.

Flow Chart for Visual Arts Classes

<table>
<thead>
<tr>
<th>Drawing 1</th>
<th>Drawing 2</th>
<th>Painting 1</th>
<th>Painting 2</th>
<th>Ceramics 1</th>
<th>Ceramics 2</th>
<th>3-D Design</th>
</tr>
</thead>
</table>

Senior Classes (taken after 3 previous art classes are successfully completed):
Portfolio - Fall Semester Senior Year; AP Studio Art - Spring Semester Senior Year
ARTS AND HUMANITIES ELECTIVES:

Performing Arts

(Note: Band is a year-long course. Freshmen and sophomore band students are required to take band both semesters. It is understood that juniors and seniors may encounter scheduling conflicts, in which case the director and school administration will review these conflicts on an individual basis. The option for taking one semester of band to resolve a scheduling conflict will be considered with preference for students taking spring band.)

Band 1, 2, 3, 4, 5, 7 - CP

Grades: 9, 10, 11, 12
Prerequisite: Audition by the instructors
Marching Band 1-8 is a progression of courses in instrumental music. This includes marching band and wind symphony. It allows students who play instruments, the performance opportunity of marching. Students will attend summer rehearsals, band camp and other rehearsals as scheduled. Much emphasis is placed on rehearsals and contests as an extension of the class requirement.

Band 6 Honors and Band 8 Honors

Grades: 11, 12
Prerequisite: Audition by instructors
This course is a performing band for students in grades 11 and 12 only at a first year college level of proficiency. This course provides performance opportunities and requirements at the college level. Much emphasis is placed on rehearsals, concerts, and competitions during and after schools days as an extension of the class requirement. Students must participate in small ensembles, solos, concerts, festivals, all-region bands, and all-state bands. Student must select a topic and complete a music history portfolio approved by the instructor. Students must have their own instruments or contract with the individual high school for a school instrument if one is available. These classes meet all of the requirements set forth by the state department of South Carolina for honors courses.

Marching Band with Physical Education Standards - CP

Grades: 9, 10, 11, 12
Prerequisite: Auditions by the instructors
Marching Band (with physical education waiver option) is a course that will incorporate the Physical Education standards into the Marching Band curriculum. In addition to all marching band course requirements, students in this course will have to complete a pre and post Fitness gram (or equivalent), a Personal Fitness Plan (PFP), and additional course work aligned to the SC Physical Education Standards to be eligible to receive the Physical Education Credit.

<table>
<thead>
<tr>
<th>Grade</th>
<th>Fall</th>
<th>Spring</th>
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</thead>
<tbody>
<tr>
<td>9th</td>
<td>Band 1 - Band PE 450800 CW or 353100CW</td>
<td>Band 2 (Wind Symphony 1) – 353200CW</td>
</tr>
<tr>
<td>10th</td>
<td>Band 3 – 353300CW</td>
<td>Band 4 (Wind Symphony 2) – 353400CW</td>
</tr>
<tr>
<td>11th</td>
<td>Band 5 – 353500CW</td>
<td>Band 6 (Wind Symphony 3) –353600HW H</td>
</tr>
<tr>
<td>12th</td>
<td>Band 7 – 357800CW</td>
<td>Band 8 (Wind Symphony 4)– 357900HW H</td>
</tr>
</tbody>
</table>

450800CW
ARTS AND HUMANITIES ELECTIVES: Performing Arts (cont.)

Guitar 1  
Grades: 9, 10, 11, 12  
This course is designed to accommodate the beginner or intermediate guitarist. Students will learn to read music and play both traditional and popular styles, as well as basic care of the instrument (tuning, cleaning, proper storage, etc.). Students will play in class daily and will learn exercises, scales, arpeggios, chords, and songs in order to build technique and expand their repertoire. Students will also learn music theory and history and apply that knowledge in performance situations. Each student must provide his or her instrument and materials such as strings and picks.

Guitar 2  
Grades: 9, 10, 11, 12  
Prerequisite: Guitar 1 or audition  
This course is designed to increase each student’s technical ability, skill and knowledge of the guitar. Students will primarily learn to play songs (in a variety of styles including, but not limited to, jazz standards and popular music) in a variety of settings including solos, small ensembles and as a class. As students learn to play these songs they will learn chords, scales, arpeggios, sight-reading, music theory and history, musicality and professionalism.

Choral Music  
Grades: 9, 10  
Choral music introduces the fundamentals of vocal music, sight-reading, and music appreciation. A variety of musical literature will be studied and performed.

Chorus 1, 2, 3, 4, 5, 6, and Chorus Rehearsal  
Grades: 9, 10, 11, 12  
Prerequisite: Choral Music and audition  
These courses are for the more advanced choral student. They are performance oriented with solo and ensemble opportunities available. Along with the music, there is an extensive study in sight-reading music. Students are required to participate in all concerts and choral competitions.

<table>
<thead>
<tr>
<th>Grade</th>
<th>Fall</th>
<th>Spring</th>
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<tbody>
<tr>
<td>9th</td>
<td>Choral Music 353900CW</td>
<td>Chorus 1 (Concert) 354100CW</td>
</tr>
<tr>
<td>10th</td>
<td>Chorus 2 (Concert) 354200CW</td>
<td>Chorus 3 (Concert) 354300CW</td>
</tr>
<tr>
<td>11th</td>
<td>Chorus 4 (Concert) 354400CW</td>
<td>Chorus 5 (Concert) 354500CW</td>
</tr>
<tr>
<td>12th</td>
<td>Chorus 6 (Concert) 354600CW</td>
<td>Chorus Rehearsal 354000CW</td>
</tr>
</tbody>
</table>

AP Music Theory  
Grades: 10, 11, 12  
Prerequisite: Basic Performance skills along with music reading skills are expected but not required  
AP Music Theory is designed to develop a student’s ability to recognize, understand, and describe the basic materials and processes of music that are heard or presented in a score.
ARTS AND HUMANITIES ELECTIVES: Performing Arts (cont.)

Theatre 1 - CP 452100CW
Grades: 9, 10, 11, 12
This course introduces the fundamentals of theatre, combining traditional acting with technical theatre. Students will learn improvisation, pantomime, voice and diction, acting, and production. Daily class participation is a requirement for success in this course.

Theatre 2 - CP 452200CW
Grades: 10, 11, 12
Prerequisite: Theatre 1 and teacher recommendation
This class is for the more advanced drama student. For the student who plans to major or minor in drama, this course will provide specialized instruction. Emphasis will be placed on acting and the technical aspects of theater, such as lighting, sound, set design, costumes, make-up, etc.

Advanced Theatre 3 - Directing and Acting - CP 452300CW
Grades: 11, 12
Prerequisite: C average in Theatre 2
Theatre 3 will provide the student with a more complete experience in drama. Students will be exposed to directing and acting experiences in both stage and film providing the student with a wider range of career options. Participation in school productions will be required.

Theatre 4 - Production - CP 452400CW
Grades: 11, 12
Prerequisite: C average in Theatre 3
This course will enable students to complete a four year program in drama that will effectively prepare them for a number of careers in the arts. Students will have had exposure to and experience with all aspects regarding production work and basic costume construction.

Dance 1 - CP 450100CW
Grades: 9, 10, 11, 12
This is the first class in the dance major and no previous dance experience is necessary. Familiar dances such as shag, swing, waltz, as well as unfamiliar dances from other countries will be studied. There is not a performance requirement for this introductory class. Grades will be determined by class participation as well as class projects and tests. Students will be required to dance every day and will be required to dress out as necessary.

Dance 2 - Technique - CP 450110CW
Grades: 9, 10, 11, 12
Prerequisite: Dance 1
This class focuses on the history and technique of ballet, modern, jazz, and tap. Students will be required to dress out and participate daily. A dance recital at the end of the semester is required for the final exam. Dance 2 students are graded on class participation, tests, and projects. Students with previous dance experience may submit a teacher recommendation to pass Dance 1 and begin with Dance 2.
Dance 3 - Choreography - CP  
*Grades: 9, 10, 11, 12*  
*Prerequisite: Dance 2*  
Students in this advanced Dance 3 will study ballet, modern, jazz, and technique and history. Students will also study improvisation and choreography. Students will be required to dress out, participate every day, and keep a journal. The focus of this class is for students to learn how to create and perform their own movements. Students will be required to perform in a dance recital at the end of the semester in which their work will be displayed. Dance students are graded on performance, class participation, choreography projects, and tests.

Dance 4 - Performance - CP  
*Grades: 9, 10, 11, 12*  
*Prerequisite: Recommendation of teacher or audition ONLY.*  
These students have already completed technique (Dance 2) and choreography (Dance 3) classes. Students are required to learn a variety of dances and be able to perform in a short amount of rehearsal time. This class will perform within the community. They must be able to represent the Fort Mill School District in a positive way and relay their dance knowledge to younger students in the Fort Mill community.
ARTS AND HUMANITIES ELECTIVES:

Audio-Visual Technology and Communications

Digital Art and Design 1 612000CW
Grades: 9, 10, 11, 12 (Priority order given to 10, 11, 9, 12 graders and to students who have chosen Digital Art and Design as a major.)
This is an introductory class on the world of design. This class will apply a student’s creativity to produce projects/assignments for the design industry. Students will design logos, brochures, tee shirts, buttons, embroidery, vinyl decals, business cards, promotional products, digital photography, posters, and advertisements with a focus on design principles. The subject matter will be taught by a hands-on approach. Students will have access to their own Mac/PC computer workstation to prepare their art for output. Software will include Adobe Illustrator, Photoshop, InDesign, Design Shop, Flexi Sign.
*Meets the SC fine arts requirement.

Digital Art and Design 2 612100CW
Grades: 10, 11, 12
Prerequisite: Digital Art and Design 1 or Graphic Communication 1
This second level class on the world of design will take students a step further. Students will begin producing some products for the school. This class will apply a student’s creativity to produce projects/assignments for the design industry. Students will design logos, brochures, tee shirts, buttons, embroidery, vinyl decals, business cards, promotional products, digital photography, posters, and advertisements with a focus on design principles. Students will have the use of a Mac/PC workstation to prepare their art for output. Software will include Adobe Illustrator, Photoshop, InDesign, Design Shop, and Flexi.

Digital Art and Design 3 (CP and Dual Credit) 612200CW/EW
Grades: 10, 11, 12
Prerequisite: Digital Art and Design 2
Level Three is a Dual Credit with Winthrop University and will give students the opportunity to earn three credit hours from the University. Students will be required to pay Winthrop tuition for this course. This class will apply a student’s creativity to produce projects/assignments for the design industry. Students will design logos, brochures, tee shirts, buttons, embroidery, vinyl decals, business cards, promotional products, digital photography, posters, and advertisements with a focus on design principles. In this class students will produce products for the school and prepare for an internship in the design industry. During this class students will be expected to participate in two half day job shadowing experiences. Students will have the use of a student Mac/PC workstation to prepare their art for output. Software will include Adobe Illustrator (6 weeks), Photoshop (6 weeks), and InDesign (6 weeks).

Digital Art and Design 4 CP and Honors 612300CW or HW
Grades: 11, 12
Prerequisite: Digital Art and Design 3
This final level design class continues building skills. Students will be required to do an internship or work-based learning experience to apply the skills learned in Digital Art and Design. Upon completion, students will have the skills to enter the workplace or continue further education at the university level. Students will provide their own transportation to the internship site where possible. Alternative options for students without transportation will be determined on an individual basis.
ARTS AND HUMANITIES ELECTIVES: Audio-Visual Technology and Communications (cont.)

Graphic Communication 1, 2, 3, 4 - CP
Grades: 10, 11, 12
620000CW, 620100CW
620200CW, 620300CW
Prerequisite: None for Graphics 1; Graphics 2, 3, 4 are sequential
This is an introduction to the world of printing. Students will learn the terminology used in the printing industry and gain a hands-on experience in prepress, printing and finishing equipment used in the printing industry. Students will have the opportunity to gain a hands-on experience in three of the major printing processes used in the industry: screen printing, offset lithography and flexography. Topics include design, typography, color, prepress software, computer operations, printing equipment operations, finishing operations, ink and substrates used in industry and working in a service oriented industry.

Media Technology (TV) 1, 2, 3 - CP
Grades: 9, 10, 11, 12
612400CW, 612500CW, 612600CW
These courses include the basic production techniques needed for creating a television program. Through practical studio experience, students will first execute program ideas to produce videotapes. Students will become familiar with TV, video, audio, lighting, and computer equipment. These courses are also designed to give students the opportunity for hands-on experience in front of the television camera. In the advanced courses, students will work as teams to cooperatively write, produce and present a weekly news magazine for the student body.

Media Technology (Television Production) 4 - Honors
Grade: 12
612705HW
Prerequisite: Media Technology 1, 2, 3
This capstone course is designed to provide students an introduction to the executive producer level of live television, filmmaking and videography including development, pre-production, production and post-production. The course covers higher level critical and problem solving skills with an emphasis in digital production, managing a production team, delegating staff responsibilities, directing, post production and product marketing as well as creating a digital portfolio for college submission. Student will write, produce, direct, shoot and edit their own packages, oversee underclassmen packages and will be required to work with at least one outside client to produce a commercial, PSA or other video project (ex. Fort Mill School district Golf Tournament Video, Dancing with the Stars Promo Video, New District Elementary School line informational video) to client specifications and within client timeline. These works will be screened in a public venue.
ARTS AND HUMANITIES ELECTIVES:

Journalism

Journalism 1 (Introduction to Journalism) - CP 305000CW
Grades: 9, 10, 11, 12
This course offers students an intensive exploration of the field of newspaper journalism. This study is designed to prepare students for work on the school’s newspaper or yearbook. This class involves the study and application of topics such as the history of journalism, journalism law and ethics, newspaper style, and various forms of journalistic writing including the following: news, features, sports, opinion, briefs and reviews. Students also learn the fundamentals of layout and design, photojournalism, advertising and newspaper staff roles. Students may be required to sell ads and obtain patrons as well.

Journalism 2 Newspaper - CP 305101CW
Grades: 10, 11, 12
Prerequisites: Recommendation of instructor and/or successful completion of Journalism 1
This CP-level course is designed for students who produce the school’s newspaper. Students in this class will write journalistic articles in several of the following areas for publication: news, news-features, features, sports, editorials, column reviews and critiques. Students will also be responsible for taking photographs, designing pages, and selling advertisements, as well as using desktop publishing to produce the school’s newspaper. Completion of assigned staff roles/duties and some participation after school are computed as part of the student’s grade.

Journalism 2 Yearbook 2 - CP 305102CW
Grades: 10, 11, 12
Prerequisite: Journalism 1, Application/Interview Process, Recommendation of English teacher
This course offers one unit of credit to students who have completed Journalism 1 and have been approved by the sponsor. This course offers students an intensive exploration of the field of photojournalism. This study is designed to prepare students for work on the school’s annual yearbook. This class involves the study and application of photojournalism through various forms of journalistic writing, photography, interviewing, and design including the following: features, sports, student life, academics, clubs and extracurriculars. Students may be required to sell ads and obtain patrons or sponsors as well.

Newspaper Production 376800CW
Grades: 11, 12
Prerequisites: Journalism 1, 2
This CP-level course is for those students who as newspaper staff members have demonstrated talent and responsibility in leadership, writing, editing, and layout during Journalism 2. Newspaper Production 3 students will serve as mentors for less-experienced staff members and will be responsible for the entire content and layout of all newspaper editions. These students must be proficient in the use of computer technology as well as in desktop publishing. Completion of assigned staff roles/duties and some participation after school are computed as part of the students’ grades. Staff members may be required to sell ads and obtain patrons or sponsors.
ARTS AND HUMANITIES ELECTIVES:

Journalism

Yearbook Production 376900CW
Grades: 11, 12
Prerequisites: Journalism 1, 2
Students will learn advanced yearbook layout and design, advertising and staff roles. These students will work with detailed layout and the use of computer technology while overseeing other staff members in producing the yearbook. Students may be required to sell ads and obtain patrons as well. These students have increased responsibility in managing spreads, design and layout, photo editing, story and caption editing, and overall production. These students are entrusted with access to all pages, sales, and ads.

Journalism Editor 4 - Yearbook 309902CW
Grades: 11, 12
Prerequisites: Introduction to Journalism, Journalism 2 Newspaper or Yearbook, and Newspaper or Yearbook Production
This CP-level course is limited to those students who are interested in pursuing a career in the field of journalism and have demonstrated leadership, talent, and responsibility in previous courses. Journalism Editor 4 students will serve as mentors for all staff members and be responsible for overseeing the entire operation of producing the school's newspaper or yearbook. These students must be able to lead staff meetings and help less-experienced staff members write and edit articles and design pages. Completion of assigned staff roles/duties and some participation after school are computed as part of the students’ grades. Staff members may be required to sell ads and obtain patrons or sponsors.

Journalism Editor 4 - Newspaper 309902CW
Grades: 11, 12
Prerequisites: Introduction to Journalism, Journalism 2, and Newspaper Production
This CP-level course is limited to those students who are interested in pursuing a career in the field of journalism and have demonstrated leadership, talent, and responsibility in Newspaper Production 3. Journalism Editor 4 students will serve as mentors for all newspaper staff members and be responsible for overseeing the entire operation of producing the school's newspaper. These students must be able to lead staff meetings and help less-experienced staff members write and edit articles and design pages. Completion of assigned staff roles/duties and some participation after school are computed as part of the students’ grades. Staff members may be required to sell ads and obtain patrons or sponsors.

Creative Writing 1 - CP 303200CW
Grades: 10, 11, 12
Prerequisite: C average or above in English 1 or teacher recommendation
This CP-level course is aimed at developing the evaluative and creative writing talents of students who are interested in learning to write and evaluate poetry, essays, human interest stories, and short stories. Computer word processing skills are reinforced in the computer lab. Students will be involved in helping to produce the school's literary magazine.

Creative Writing 2 - CP 309902CW
Grades: 10, 11, 12
Prerequisite: Creative Writing 1 and teacher recommendation
This college-preparatory level course furthers the creative writing, publishing and editing skills of selected students who will help produce the school’s literary magazine.
ARTS AND HUMANITIES ELECTIVES:

International Studies

French 1 - CP 361100CW
Grades: 9, 10, 11, 12 (This level is not recommended for heritage speakers. Heritage speakers will be evaluated for appropriate level placement.)
This course is designed as an introduction to the French language and the Francophone cultures. Based upon the S.C. Standards for World Language Proficiency, all communicative skills will be emphasized: Interpersonal, Interpretive and Presentational. Students will be engaged daily in a variety of activities that promote critical thinking and will strengthen their ability to read, write, and speak French. Throughout the language-learning process, students will also improve their understanding of other cultures and benefit from comparing the language with their own.

French 2 - CP 361200CW
Grades: 10, 11, 12
Prerequisite: French 1 and teacher recommendation
This course is designed to build on and reinforce French 1. Based upon the S.C. Standards for World Language Proficiency, all communicative skills will continue to be emphasized: Interpersonal, Interpretive and Presentational. Students will continue to be engaged daily in a variety of activities that promote critical thinking and will strengthen their ability to read, write, and speak French. Throughout the language-learning process, students will also continue to improve their understanding of and appreciation for other cultures.

French 3 - CP (CRHS/NFHS) 361300CW
Grades: 10, 11, 12
Prerequisite: French 2 and teacher recommendation
French 3 CP is designed for students who do not plan on continuing into French 4 H and 5 H. This course is designed to build on and reinforce French 1 and 2. Based upon the S. C. Standards for World Language Proficiency, all communicative skills will continue to be emphasized: Interpersonal, Interpretive and Presentational. Students will continue to be engaged daily in a variety of activities that promote critical thinking and will strengthen their ability to read, write, and speak French. Throughout the language-learning process, students will also continue to improve their understanding of and appreciation for other cultures.

French 3 - H 361300HW
Grades: 11, 12
Prerequisite: French 2 and teacher recommendation
This course expands on previously studied themes from French 1 and 2. Based upon the S. C. Standards for World Language Proficiency, all communicative skills will continue to be emphasized: Interpersonal, Interpretive and Presentational. Students will continue to be engaged daily in a variety of activities that promote critical thinking and will strengthen their ability to read, write, and speak French. Throughout the language-learning process, students will also continue to improve their understanding of and appreciation for other cultures.
ARTS AND HUMANITIES ELECTIVES: International Studies (cont.)

French 4 - H 361400HW

Grades: 11, 12
Prerequisite: French 3 H and teacher recommendation
This course is designed to build on and reinforce French 1, 2, and 3. Based upon the S. C. Standards for World Language Proficiency, all communicative skills will continue to be emphasized: Interpersonal, Interpretive and Presentational. Students will continue to be engaged daily in a variety of activities that promote critical thinking and will strengthen their ability to read, write, and speak French. Throughout the language-learning process, students will also continue to improve their understanding of and appreciation for other cultures.

French - AP 367100AW

Grades: 11, 12
Prerequisite: French 3 H and teacher recommendation
The AP French Language and Culture course takes a holistic approach to language proficiency and recognizes the complex interrelatedness of comprehension and comprehensibility, vocabulary usage, language control, communication strategies, and cultural awareness. Students should learn language structures in context and use them to convey meaning. The AP French Language and Culture course strives to promote both fluency and accuracy in language use and not to overemphasize grammatical accuracy at the expense of communication. In order to best facilitate the study of language and culture, the course is taught in the target language. The AP French Language and Culture course engages students in an exploration of culture in both contemporary and historical contexts.

French 5 - H 361500HW

Grade: 12
Prerequisite: French 4 H and teacher recommendation
The purpose of this course is to refine skills previously learned and to prepare students for advanced studies in French at the college level. Based upon the S. C. Standards for World Language Proficiency, all communicative skills will continue to be emphasized: Interpersonal, Interpretive and Presentational. Students will continue to be engaged daily in a variety of activities that promote critical thinking and will strengthen their ability to read, write, and speak French. Throughout the language-learning process, students will also continue to improve their understanding of and appreciation for other cultures.

Spanish 1 - CP 365100CW

Grades: 9, 10, 11, 12 (This level is not recommended for heritage speakers. Heritage speakers will be evaluated for appropriate level placement.)
This course is designed as an introduction to the Spanish language and the Hispanic cultures. Based upon the S. C. Standards for World Language Proficiency, all communicative skills will continue to be emphasized: Interpersonal, Interpretive and Presentational. Students will continue to be engaged daily in a variety of activities that promote critical thinking and will strengthen their ability to read, write, and speak Spanish. Throughout the language-learning process, students will also continue to improve their understanding of and appreciation for other cultures.

Spanish 2 - CP 365200CW

Grades: 10, 11, 12
Prerequisite: Spanish 1 and teacher recommendation
This course is designed to build on and reinforce Spanish 1. Based upon the S. C. Standards for World Language Proficiency, all communicative skills will continue to be emphasized: Interpersonal, Interpretive and Presentational. Students will continue to be engaged daily in a variety of activities that promote critical thinking and will strengthen their ability to read, write, and speak Spanish. Throughout the language-learning process, students will also continue to improve their understanding of and appreciation for other cultures.
Spanish 3 - CP (NFHS/CRHS) 365300CW
Grades: 10, 11, 12
Prerequisite: Spanish 2 and teacher recommendation
Spanish 3 CP is designed to build on and reinforce Spanish 1 and 2. Based upon the S. C. Standards for World Language Proficiency, all communicative skills will continue to be emphasized: Interpersonal, Interpretive and Presentational. Students will continue to be engaged daily in a variety of activities that promote critical thinking and will strengthen their ability to read, write, and speak Spanish. Throughout the language-learning process, students will also continue to improve their understanding of and appreciation for other cultures.

Spanish 3 - H 365300HW
Grades: 11, 12
Prerequisite: Spanish 2 and teacher recommendation.
This course expands on previously studied themes from Spanish 1 and 2. Based upon the S. C. Standards for World Language Proficiency, all communicative skills will continue to be emphasized: Interpersonal, Interpretive and Presentational. Students will continue to be engaged daily in a variety of activities that promote critical thinking and will strengthen their ability to read, write, and speak Spanish. Throughout the language-learning process, students will also continue to improve their understanding of and appreciation for other cultures.

Spanish 4 - H 365400HW
Grades: 11, 12
Prerequisite: Spanish 3 H and teacher recommendation
This course expands on previously studied themes from Spanish 1, 2, and 3. Based upon the S. C. Standards for World Language Proficiency, all communicative skills will continue to be emphasized: Interpersonal, Interpretive and Presentational. Students will continue to be engaged daily in a variety of activities that promote critical thinking and will strengthen their ability to read, write, and speak Spanish. Throughout the language-learning process, students will also continue to improve their understanding of and appreciation for other cultures.

Spanish - AP 367500AW
Grades: 11, 12
Prerequisite: Spanish 3 H and teacher recommendation
AP Spanish Language and Culture is a college-level course for students in the fourth semester of study. The course is conducted in Spanish and students are expected to communicate in Spanish at all times. Students have the opportunity to demonstrate proficiency by engaging in daily activities that require the three modes of communication (Interpersonal, Interpretive, and Presentational). The course is designed around six themes: Global Challenges, Science and Technology, Contemporary Life, Personal and Public Identities, Families and Communities, Beauty and Aesthetics. These themes provide a basis for an in-depth study of the Spanish language and its many cultures. Students will use a variety of authentic resources and materials to hone their speaking, listening, reading and writing skills. Students will take the AP Spanish Language and Culture exam at the end of this course.

Spanish 5 - H 365500HW
Grade: 12
Prerequisite: Spanish 4 H
This course expands on previously studied themes from Spanish 1, 2, 3 and 4. Based upon the S. C. Standards for World Language Proficiency, all communicative skills will continue to be emphasized: Interpersonal, Interpretive and Presentational. Students will continue to be engaged daily in a variety of activities that promote critical thinking and will strengthen their ability to read, write, and speak Spanish. Throughout the language-learning process, students will also continue to improve their understanding of and appreciation for other cultures.
BUSINESS AND INFORMATION
SYSTEMS ELECTIVES:

Business Management and Administration

*Courses noted with an asterisk meet the SC Computer Science graduation requirement.

Integrated Business Applications 1 - CP 502000CW
Grades: 9, 10, 11, 12
Is college in your future? Need computer skills to find a job? IBA 1 prepares you for college and the workplace by helping you develop and maintain essential computer skills necessary to live and work in a technologically based society. Microsoft Office is the industry standard for word processing, database, spreadsheet, and presentation software (Word, Access, Excel and PowerPoint) and represents the dominant instructional emphasis. Students who master the Microsoft Word curriculum and achieve a passing score on the Certiport MOS Word Certification Test are designated as Microsoft Office Specialist (MOS) Word Certified Associate.

Integrated Business Applications 2 - CP 502100CW/EW
Grades: 11, 12
Prerequisite: C or above in IBA 1 or Teacher Recommendation
Earn transferrable college credit as you go beyond the basics to master Microsoft Word, Excel, PowerPoint, Outlook, Publisher and Access. Students who master the Microsoft Excel curriculum and achieve a passing score on the Certiport MOS Excel Certification Test are designated as Microsoft Office Specialist (MOS) Excel Certified Associate.

*Web Page Design & Development - CP 503100CW
Grades: 10, 11, 12
Prerequisite: Completion of state required Computer Science graduation credit
Want to learn how to build eye-catching websites and beginner mobile applications from the ground up? The course provides a solid introduction to the basics of designing web pages using Dreamweaver, Fireworks and Flash. The main topics discussed are: web design “best practices;” Dreamweaver Design Basics; Fireworks Buttons and Banners; and Flash Text, Button, and Graphics Animations. Want to become Adobe Certified? The Web Communication using Adobe Dreamweaver Exam is administered to all students; students achieving a passing score earn coveted industry-standard certification while still in high school.

Digital Desktop Publishing - CP 517600CW
Grades: 10, 11, 12
Prerequisite: IBA 1
Want to learn how to combine typography, color, illustrations, and images to produce professional web-based and printed materials? This course utilizes Adobe InDesign, Adobe Photoshop and other software applications to design, format, illustrate, revise, and print publications such as: newsletters, bulletins, calendars, brochures, business forms, business cards, flyers, and announcements. Want to be Adobe Certified? The Print & Digital Media Using Adobe InDesign Exam and the Visual Communication Using Adobe Photoshop Exam is administered to all students; students achieving a passing score earn coveted industry-standard certification while still in high school.
BUSINESS AND INFORMATION SYSTEMS ELECTIVES: Business Management and Administration (cont.)

Entrepreneurship - CP  
Grades: 10, 11, 12  
Learn how to start and run your very own business. You will develop a foundation of knowledge for all parts of business planning, operations and management including: advertising, market research, resource management, business policies & procedures, financial management, inventory management, and communication skills. Be the owner of your own virtual store on a computerized simulation where you will learn to: define products and services, design a floor plan, perform market analysis, develop marketing strategies, create advertisements, and identify business goals.

Business Law - CP  
Grades: 10, 11, 12  
Business Law will help students make smart and informed decisions in the following areas: fundamentals of contracts, property rights, forms of ownership, workplace law, and civil law. Students will review case files and participate in a mock trial.

Virtual Enterprise 1, 2, 3, 4 - CP  
Grades: 10, 11, 12  
Prerequisite: One of the following: Accounting 1, Marketing, or Entrepreneurship  
Students are transformed into business executives and work in a “real world” corporate setting. In VE, students will: create a service/product to sell to other virtual enterprise programs. Develop a business plan to get start-up money for the business. Interview for positions within the company with actual business leaders. Work in specific departments, such as accounting, administration, human resources, sales, advertising, marketing, and information technology. Conduct market research. Prepare grand opening of business and trade fair show. Buy and sell from other virtual enterprises, both nationally and internationally.
BUSINESS AND INFORMATION SYSTEMS ELECTIVES:

**Marketing**

**Marketing - CP**

*Grades: 10, 11, 12*

What makes people buy a product? How do salespeople talk people into buying stuff? Learn how everything around us is affected by marketing decisions. Specific topics will include: sales strategies, pricing decisions, and marketing research; design choices (graphics, colors, lighting, etc.); promotional strategies (commercials, billboards, sponsorships, etc.); and product choices (packaging, store locations, ingredients, etc.). Students gain experience by: making marketing decisions for their own business; writing press releases and creating commercials/advertisements; and developing marketing solutions for “real world” situations/partnerships with local businesses.

**Marketing Management - CP**

*Grades: 10, 11, 12*

*Prerequisite: Marketing*

Be the boss and get to say “You’re hired” or “You’re fired!” Learn about leadership skills to help you climb the corporate ladder; laws protecting employers and employees and labor issues; human resource needs like employee interviews, training, and evaluations; and ethical behavior and the workplace. Students will complete activities such as: management decision making simulations; human resource department scenarios; a personal resume and job interview and job shadow experience.

**Sports and Entertainment Management - CP**

*Grades: 11, 12*

*Prerequisite: Marketing*

Want to be the boss? Love sports? Love movies, TV, or music? Get a job in these areas running the “business” side of things. Students will learn about: managing people and leadership positions in the sports or entertainment industry; finance and legal issues; dealing with management/player changes; box office and group sales; work with school and local businesses on event management projects; and have the chance to job shadow in the industry.
BUSINESS AND INFORMATION SYSTEMS ELECTIVES:
Accounting/Finance

**Accounting 1 and 2 - CP**

*Grades: 10, 11, 12*

Accountants are the highly valued backbone of virtually every business entity. Their understanding of the organization’s financial health helps business owners and company executives make crucial management decisions. Accounting is the specialized business language system used by accountants to produce the financial information that guides the business decision-making process. In Accounting 1, you will learn how to: classify and interpret financial data; create and analyze financial statements; utilize computerized accounting software; understand business ethics; and learn basic managerial accounting fluency.

Accounting 2 expands upon Accounting 1’s learning topics and adds these new topics: introductory cost accounting concepts; investment and financial analysis; cash flow analysis; depreciation; inventory controls; and budgeting.

**Personal Finance - CP**

*Grades: 10, 11, 12*

Do you know how to become a millionaire before you turn 30? This course will help you acquire the financial tools necessary to plot your financial pathway. You will learn how to manage and solve common financial problems and make your money work for you. Topics include: savings and budgeting; personal taxes; housing decisions; automobile decisions; educational decisions; loans; insurance needs; investments; and retirement planning.
BUSINESS AND INFORMATION SYSTEMS ELECTIVES:

Information Technology

*Courses noted with an asterisk meet the SC Computer Science graduation requirement

*Fundamentals of Computing (counts as computer science graduation requirement)  502300CW

Grades: 9, 10, 11, 12
Fundamentals of Computing is designed to introduce students to the field of computer science through an exploration of engaging and accessible topics. Rather than focusing the entire course on learning particular software tools or programming languages, the course is designed to focus on the conceptual ideas of computing and help students understand the tools and languages that might be used to solve particular problems. The goal of Fundamentals of Computing is to develop problem solving and critical thinking skills within the context of problems that are relevant to the lives of today’s students. Students will also be introduced to topics such as interface design, limits of computers, and societal and ethical issues.

*Computer Programming 1 - CP  505000CW

Grades: 9, 10, 11, 12
Prerequisite: IBA 1 or state required Computer Science course and C or better in Algebra 1
This course is designed to introduce the concepts of programming and application development in the Visual Basic environment. Emphasis is placed on the software development process, principles of user interface design, and the writing of a complete Visual Basic program including event-driven input, logical decision-making and processing, and useful output. Independent problem solving and critical thinking skills are emphasized daily. Career and Technology student organizations competitive events, community service, and leadership activities provide the opportunity to apply standards and workplace readiness skills through authentic experiences.

*Computer Programming 2 - CP  505100CW

Grades: 10, 11, 12
Prerequisite: Computer Programming 1 or AP Computer Science Principles
This course is designed to teach students advanced programming concepts through the development of computer video games. Concepts to be explored include classes and structures, multimedia programming, advanced arrays, and file structures. Critical thinking and problem solving skills are reinforced through the continued use of Visual Basic and the C+ programming languages. Future Business Leaders of America (FBLA) competitive events, community service, and leadership activities provide the opportunity to apply standards and workplace readiness skills through authentic experiences.

*Foundations of Animation Using Adobe Flash - CP  535000CW

Grades: 10, 11, 12
Prerequisite: Completion of state required Computer Science graduation credit
Want to learn how to created animated cartoons, web page banner ads, introductory animated sequences, and animated logos? This course provides an introduction to basic 2D animation concepts such as: storyboard creation; basic drawing; frame-by-frame animation; tween animation; basic action script; and timelines. Want to become Adobe Certified? The Interactive Media Using Adobe Flash Professional Exam is administered to all students; students achieving a passing score earn coveted industry-standard certification while still in high school.
BUSINESS AND INFORMATION SYSTEMS ELECTIVES:

Information Technology

*Computer Science Principles - AP 477500AW

Grades: 10, 11, 12

Prerequisite: B or above in Algebra 1 or Computer Programming 1

AP Computer Science Principles offers a multidisciplinary approach to teaching the underlying principles of computation. The course will introduce students to the creative aspects of programming, abstractions, algorithms, large data sets, the Internet, cybersecurity concerns, and computing impacts. AP Computer Science Principles will give students the opportunity to use technology to address real world problems and build relevant solutions. Together, these aspects of the course make up a rigorous and rich curriculum that aims to broaden participation in computer science.
ENGINEERING AND INTEGRATED TECHNOLOGIES ELECTIVES:

Environmental and Natural Resources

Agricultural Science and Technology - CP 562400CW
Grades: 9, 10, 11, 12
Agricultural Science and Technology is designed to teach essential concepts and understanding related to plant and animal life including biotechnology, the conservation of natural resources, and the impact of agriculture and natural resource utilization on the environment. Emphasis is placed on the role of agriculture in our society and its importance to the welfare of the world. Typical learning activities include hands-on experience with performing basic principles of plant, soil, and animal science; studying and modeling the significance of humankind’s interrelationship with soil, water, and air; and participating in FFA activities.

Environmental and Natural Resources Management - CP 562600CW
Grades: 9, 10
Prerequisite: Agricultural Science and Technology
The Environmental and Natural Resource Management course is designed to be the introductory course for the Environmental and Natural Resources pathway. The course is a combination of subject matter and planned learning experiences on the principles involved in the conservation and/or improvement of natural resources such as air, soil, water, land, forest, and wildlife for economic and recreational purposes. Instruction also emphasizes such factors as the establishment, management, and operation of land for recreational purposes. Typical learning activities include constructing a model watershed; identifying and/or measuring the levels of air, water, noise, and solid waste pollution in a selected site; hands-on experiences with site analysis; evaluation of competing interests; analysis of biological and physical aspects of the environment and environment-related issues including methods of abating and controlling pollution; participating in personal and community leadership development activities; planning and implementing a relevant school-to-work transition experience; and participating in FFA activities.

Wildlife Science 567400CW
Grades: 11, 12
Prerequisite: Agricultural Science and Environmental and Natural Resource
The Wildlife Science course is designed to teach technical knowledge and skills for entry-level position in the conservation and/or management of wildlife enterprises. Typical instructional activities include hands-on experiences with food plot construction, analyzing aquatic plants and animals, classifying reptiles and amphibians, and raising game birds and/or fish. Participation in personal and community leadership development activities and planning and implementing a relevant supervised agricultural experience are requirements for this course. In addition, participating in Future Farmers of America (FFA) activities and competitions further enhance the coursework.

Outdoor Recreation 560200CW
Grades: 11, 12
Prerequisite: Agricultural Science, Environmental and Natural Resource Management, Wildlife Science
The Outdoor Recreation course is a combination of subject matter and planned learning experiences on the principles involved in outdoor safety, planning outdoor recreational activities, designing parks and special use areas, and outdoor recreational resources on public lands. Instruction also emphasizes such factors as the establishment, management, and operation of land for recreational purposes.
Note: Animal Science courses are electives and do not meet the graduation requirement for “science.”

**Agricultural Science and Technology - CP**

*Grades: 9, 10, 11, 12*

The course is designed to provide an introduction and is a prerequisite for all Agriculture classes which follow in the career pathway. The course is designed to teach essential concepts and understanding related to plant and animal life including biotechnology, the conservation of natural resources, and the impact of agriculture and natural resource utilization on the environment. Emphasis is placed on the role of agriculture in our society and the importance of agriculture to the welfare of the world. Typical learning activities include hands-on experiences with performing basic principles of plant, soil, and animal science; studying and modeling the significance of humankind’s interrelationship with soil, water, and air; and participating in FFA activities.

**Small Animal Care - CP**

*Grades: 10, 11, 12*

*Prerequisite: Agricultural Science and Technology*

Small Animal Care is designed to teach technical knowledge and skills for occupations in the pet industry or the companion animal industry. Skills also relate to the veterinarian or veterinarian technician career field. Typical instructional activities include hands-on experiences with cats, dogs, rabbits, fish, etc. participating in personal and community leadership development activities; and planning a relevant Supervised Agricultural Experience (SAE); and opportunities for participating in FFA activities.

**Animal Science - CP**

*Grades: 10, 11, 12*

*Prerequisite: Agricultural Science and Small Animal Care*

Animal Science provides an overview of the animal science industry, including information on the biological make-up of various species of agricultural livestock. It also provides students with beneficial information on animal behavior before they decide to embark on a career in Animal Science. Animal Science is recommended as a prerequisite for other courses in Animal Science. Typical instructional activities include hands-on experiences with the principles and practices essential in the production and management of farm animals and farm animal products for economic, recreational, and therapeutic uses; participating in personal and community leadership development activities; planning and implementing a relevant school-to-work transition experience; and participating in FFA activities.

**Introduction to Veterinary Science - H**

*Grades: 11, 12*

*Prerequisite: Ag. Science, Small Animal Care, Animal Science, and Teacher Recommendation*

In this advanced animal science course, students will explore the field of veterinary medicine. Students will study the role of a veterinarian and veterinary technician in the diagnosis and treatment of animal diseases. Topics to be discussed include: veterinary terminology, anatomy and physiology, pathology, genetics, handling and restraint, and physical examinations along with common surgical skills. Students will engage in a variety of laboratory activities and will participate in work based learning experiences. In addition to a portfolio, honor students will be required to conduct independent research on a selected small and large animal disease, write an extensive research document and present findings in a public venue.
**Introduction to Horticulture – CP**  
*Grades: 9, 10, 11, 12*

The Introduction to Horticulture course is designed to be an introduction to the Horticulture pathway. It is recommended as a prerequisite for all other horticulture courses. This course includes organized subject matter and practical experiences related to the culture of plants used principally for ornamental or aesthetic purposes. Instruction emphasizes knowledge and understanding of the importance of establishing, maintaining, and managing ornamental horticulture enterprises.

Typical instructional activities include hands-on experiences with propagating, growing, establishing, and maintaining nursery plants and greenhouse crops; tissue culture techniques; designing landscapes; preparing designs; sales analysis and management; participating in personal and community leadership development activities; planning and implementing a relevant school-to-work transition experience; and participating in FFA activities.

**Nursery Greenhouse and Garden Center Technology – CP**  
*Grades: 9, 10, 11, 12*  
*Prerequisite:* – Introduction to Horticulture or Agricultural Science and Technology

The course in Nursery, Greenhouse and Garden Center Technology includes organized subject matter and practical experiences related to the operation and management of nursery, greenhouse or a garden center. Instruction emphasizes knowledge and understanding of the importance of establishing, maintaining, and managing “green industry” enterprises.

Typical instructional activities include hands-on experiences with propagating, growing, establishing, and maintaining nursery plants and greenhouse crops; tissue culture techniques; designing landscapes; preparing designs; sales analysis and management; participating in personal and community leadership development activities; planning and implementing a relevant school-to-work transition experience; and participating in FFA activities.

**Agribusiness and Marketing**  
*Grades: 10, 11, 12*  
*Prerequisite: Introduction to Horticulture or Agricultural Science and Technology, and Nursery Greenhouse and Garden Center Technology*

The course in Agricultural Business Management is designed for the student who plans to seek employment on, manage, or own a farm; or seek employment in an agribusiness field. Students will be involved in learning activities that generally prepare him/her to apply the economic and business principles involved in the organization, operation, and management of the farm, ranch, or agribusiness.

Typical instructional activities include hands-on experiences with applying modern economic and business principles involved in the organization, operation, and management of agricultural businesses including the production and marketing of agricultural products and services; applying computer application models; participating in personal and community leadership development activities; planning and implementing a relevant school-to-work transition experience; and participating in FFA activities.
ENGINEERING AND INTEGRATED TECHNOLOGIES ELECTIVES:

Automotive Technology

Automotive Technology 1 - CP 603000CW

Grades: 10, 11, 12 (Placement preference will be given to students who have chosen and can complete the Auto Tech major.)

This course is the first of four semester courses and will provide the foundation for the automotive major. Topics and labs include shop and personal safety as well as environmental concerns. Students will be introduced and trained in the proper use of hand tools, power tools, and lifts. This course will cover a basic introduction to the eight Automotive Service Excellence (ASE) skills which are Electrical and Electronic components, Steering/Suspension and Alignment, Brakes, Engine Performance, Engine Repair, Heating and Air Conditioning, Automatic Transmission and transaxles, and Manual Transmissions and Differentials. Students will be given the opportunity to change their own oil; check, balance and change their own tires as needed; and take apart and re-assemble a small engine. This class has a “hands-on” instruction ratio of 70% classroom to 30% hands-on labs. All competencies and components of this course comply with the National Automotive Technician Education Foundation (NATEF), Automotive Service Excellence (ASE), and the standards set forth by the State Department of Education. Safety glasses and proper dress are required in the lab at all times. A student must successfully pass a required safety course before entering the lab area.

Automotive Technology 2, 3 - CP 603100CW, 603200CW

Grades: 10, 11, 12 (Placement preference will be given to students who have chosen and can complete the Auto Tech major.)

Prerequisite: C or better in Auto Tech 1 and teacher recommendation

Auto Tech 2 and 3 emphasize the advanced skills necessary in today’s automotive field. Problem solving and advanced researching techniques will be used. Students will have the opportunity to work and perfect their skills. Hands-on experiences and classroom content instruction will be used at about a 50/50 ratio. Auto Tech 3 covers brakes, steering/suspension, and electrical. These courses will cover the eight Automotive Service Excellence (ASE) skills which are Electrical and Electronic Components, Steering/Suspension and Alignment, Brakes, Engine Performance, Engine Repair, Heating and Air Conditioning, Automatic Transmission and transaxles, and Manual Transmissions and Differentials. All competencies and components of this course comply with the National Automotive Technician Education Foundation (NATEF), Automotive Service Excellence (ASE), and the standards set forth by the State Department of Education. Safety glasses and proper dress are required in the lab at all times.

Automotive Technology 4 Honors (Work-Based Credit) 679000HW

Grades: 11, 12

Prerequisite: B or better in Auto Tech 2 and 3, and teacher recommendation

Auto Tech 4 is the final course in the Automotive Technology major. This course is primarily work-based and places the student in a shop to work side-by-side with a certified technician. The student will attend their intern establishment each day. Student supplied safety glasses and proper dress are required in the lab at all times. Students will provide their own transportation to the internship site where possible. Alternative options for students without transportation will be determined on an individual basis.
**ENGINEERING AND INTEGRATED TECHNOLOGIES ELECTIVES:**

*Project Lead the Way (PLTW)*

PLTW Principles of Engineering can be used to fulfill the Computer Science graduation requirement.

Students who pass a PLTW course in this section (except Engineering Design and Development) AND meet the cut score determined by PLTW on the final exam will be given Dual Credit weighting for the course.

*Project Lead the Way (PLTW)* is a series of courses which introduces students to the scope, rigor and discipline of engineering and engineering technology prior to entering college. Introduction at this level will attract more students to engineering and will allow students, while still in high school, to determine if engineering is the career they desire. Students participating in PLTW courses are better prepared for college engineering programs and more likely to be successful thus reducing the attrition rate which currently exceeds 50% nationally in the college level programs.

**Introduction to Engineering Design – CP or possible Dual Credit weighting for GPA**

*Grades: 9, 10, 11, 12*

Introduction to Engineering Design (IED) is an introductory course which develops student problem solving skills with emphasis placed on the development of three-dimensional solid models. Students will work from sketching simple geometric shapes to applying a solid modeling computer software package. They will learn a problem solving design process and how it is used in industry to manufacture a product. The Computer Aided Design System (CAD) will also be used to analyze and evaluate the product design. The techniques and equipment are state of the art and are currently being used by engineers throughout the United States. Undergraduate credit may be earned through the College of Engineering and Computing at USC or the Rochester Institute of Technology. Specific course requirements must be met.

**Principles of Engineering - CP or possible Dual Credit weighting for GPA**

*Grades: 10, 11, 12*

*Prerequisite: Algebra 1 or Intermediate Algebra*

Principles of Engineering (PoE) is a foundation course in the PLTW Engineering curriculum. Through problems that engage and challenge, students explore a broad range of engineering topics including mechanisms, energy, the strength of structures and materials, automation and programming. Students will develop skills in design and problem-solving while learning collaboration and presentation. This course applies and concurrently develops secondary level knowledge and skills in mathematics, science and technology. Undergraduate credit may be earned through the College of Engineering and Computing at USC or the Rochester Institute of Technology. Specific course requirements must be met.

**Digital Electronics – CP or possible Dual Credit weighting for GPA**

*Grades: 10, 11, 12*

*Prerequisite: Algebra 1 or Intermediate Algebra*

Digital Electronics (DE) is a course of study in applied digital logic. Students will be introduced to digital circuits found in video games, watches, calculators, digital cameras, and thousands of other devices. Students will study the application of digital logic and how digital devices are used to control automated equipment. The use of digital circuitry is present in virtually all aspects of our lives and its use is increasing rapidly. Computer simulation software will be used to design and test digital circuitry prior to the actual construction of circuits and devices. Undergraduate credit may be earned through the College of Engineering and Computing at USC or the Rochester Institute of Technology. Specific course requirements must be met.
ENGINEERING AND INTEGRATED TECHNOLOGIES ELECTIVES:  
*Project Lead the Way (cont.)*

**Computer Integrated Manufacturing – CP or possible Dual Credit weighting for GPA**  
Grades: 10, 11, 12  
Prerequisite: Any 2 of the 3 foundation PLTW courses (IED, POE, DE)

Computer Integrated Manufacturing (CIM) is a course that applies principles of robotics and automation. The course builds on computer solid modeling skills developed in Introduction to Engineering Design and Design and Drawing for Production. Students use CNC equipment to produce actual models of their three-dimensional designs. Fundamental concepts of robotics used in automated manufacturing and design analysis are included. Undergraduate credit may be earned through the College of Engineering and Computing at USC or the Rochester Institute of Technology. Specific course requirements must be met.

**Civil Engineering and Architecture – CP or possible Dual Credit weighting for GPA**  
Grades: 10, 11, 12  
Prerequisite: Any 2 of the 3 foundation PLTW courses (IED, POE, DE)

Civil Engineering and Architecture (CEA) introduces students to the fundamental design and development aspects of architectural and civil engineering activities. Application and design principles will be used in conjunction with mathematical and scientific knowledge. Computer software programs will provide students with opportunities to design, simulate, and evaluate the construction of buildings and communities. During the planning and design phases, instructional emphasis will be placed on related transportation, water resource, and environmental issues. Undergraduate credit may be earned through the College of Engineering and Computing at USC or the Rochester Institute of Technology. Specific course requirements must be met.

**Aerospace Engineering CP / possible Dual Credit weighting for GPA**  
Grades: 10, 11, 12  
Prerequisite: Any 2 of the 3 foundation PLTW courses (IED, POE, DE)

Aerospace Engineering (AE) explores the evolution of flight, navigation and control, flight fundamentals, aerospace materials, propulsion, space travel, and orbital mechanics. In addition, this course presents alternative applications for aerospace engineering concepts. Students analyze, design, and build aerospace systems. They apply knowledge gained throughout the course in a final presentation about the future of the industry and their professional goals. This course is designed for 10th, 11th or 12th grade students.

**Environmental Sustainability - CP / possible Dual Credit weighting for GPA**  
Grades: 10, 11, 12

Environmental Sustainability (ES) is an interdisciplinary engineering course in which students investigate and design solutions to solve real-world challenges related to clean and abundant drinking water, food supply enhancement, and renewable energy. This course has the potential to bring together a diverse group of students with interests in biology, chemistry, and/or environmental studies, and it gives students the opportunity to lead their own learning, collaborate, and gain skills needed to communicate their creative solutions. In ES, students also gain insights into the future career opportunities that exist in the areas they are exploring.

**Engineering Design and Development - CP**  
Grades: 11, 12  
Prerequisite: 3 prior PLTW courses and teacher recommendation

Engineering Design and Development (EDD) is an engineering research course in which students work in teams to research, design and construct a solution to an open-ended engineering problem. Students apply principles developed in the four preceding courses and are guided by a community mentor. They must present progress reports, submit a final written report and defend their solutions to a panel of outside reviewers at the end of the course. This course is considered to be the senior capstone course in the PLTW curriculum.
HEALTH AND HUMAN SERVICES ELECTIVES:

Early Childhood Education

Child Development 1 – CP
Grades 10, 11, 12
Child Development 1 focuses on the physical, social, emotional, and cognitive growth and development of children. Emphasis is placed on helping students acquire knowledge and skills essential to the care and guidance of children. Students learn to create environments that promote optimal development. Factors influencing a child’s development from conception through childhood are explored. Opportunities for service and project-based learning are incorporated throughout the course. Integration of the Family and Consumer Sciences student organization, Family Careers, and Community Leaders of America (FCCLA), greatly enhances this curriculum.

Early Childhood Education 1 – CP
Grades 10, 11, 12
Prerequisites: Child Development 1 and teacher recommendation
Early Childhood Education 1 is designed to provide students with hands-on opportunities to actively explore and observe the world of children and prepare them for educational and administrative careers in the field. This course provides an in-depth study of career paths, developmentally appropriate practices, curriculum development, safe and healthy learning environments, and collaborative relationships. Integration of the Family and Consumer Sciences student organization, Family Careers, and Community Leaders of America (FCCLA), enhances this curriculum

Early Childhood Education 2 – CP
Grades 11, 12
Prerequisites: “C” average Early Childhood Education 1, teacher recommendation
Early Childhood Education 2 is an advanced course focusing on the competencies needed to plan, guide, and care for young children in a safe, healthy, and developmentally appropriate environment. Students can acquire certification in pediatric safety, CPR, and first aid. Students interact with professionals in the field and participate in various school-to-work activities. Student laboratory/field experiences may be school based or in the community and include job shadowing and internships.

Education and Training Internship – CP
Grades 11, 12
Prerequisites: Child Development 1, ECE 1, “C” average in ECE 2, teacher recommendation
Continuation of work based learning is provided through local schools and child development centers to provide a strong work based learning experience. Employability skills are highly referenced and students are provided with guidance to prepare them for their college or career choice.

Teacher Cadet - Dual Credit
Grade: 12
(for ECE Completers) 570500EW
Prerequisite: Teacher Invitation and State Criteria
This course is taught in conjunction with Winthrop University and will give students the opportunity to earn three credit hours from the University (EDUC 175). Teacher Cadet is designed for students interested in learning more about education. The course includes activities, projects and observations, planning and teaching lessons. A field experience is an integral part of the course.
Note: Health Science courses are electives and do not meet the graduation requirement for “science.”

Health Science 1 - CP  
Grades: 10, 11, 12  
Health Science 1 is the first of four courses offered to students interested in pursuing a career in the healthcare field. In this first course students are provided an overview of healthcare history, cultural diversity, medical terminology, medical math, infection control, basics of the organization of healthcare facilities, and personal health and lifestyle choices. A major focus is placed on introduction to health careers, professionalism and employability skills. Students achieve an understanding of where healthcare has been, where it is going and how professionalism and personal characteristics impact their success. As students are guided through healthcare career exploration, they will discuss education levels, and requirements needed to be successful. Students will participate in a career project, and will learn from guest speakers in the healthcare field. The skills and knowledge that students learn in Health Science 1 serve to prepare them for future clinical experiences as they advance through the Health Science courses.

Health Science 2 - CP  
Grades: 10, 11, 12  
Prerequisite: Health Science 1 and Teacher Recommendation.  
Health Science 2 applies the knowledge and skills that were learned in Health Science 1 while further challenging the students to learn more about the healthcare field. Health Science 2 will continue teaching, in more detail, the units of study that include advanced study of infection control. Students in Health Science 2 will learn how to take vital signs, record them and learn what the data means. This course will introduce students to basic patient care skills. Students will have the opportunity to become certified in First Aid and CPR which is a requirement for Health Science 4 (H). Career pathways and scenarios are introduced through each section.

Health Science 3 - CP  
Grades: 11, 12  
Prerequisite: Health Science 2 and Teacher Recommendation  
Health Science 3 focuses on basic anatomy and physiology of the human body. Students learn how the human body is structured and the function of each of the 12 body systems. Students will study the relationship that body systems have with disease from the healthcare point of view. Students will learn through projects and activities in the classroom. Students are recommended to be First Aid and CPR certified prior to this course. Medical terminology is incorporated into each unit of study.  
C average in Health Science 3 and teacher recommendation is required before advancing to Health Science 4H.
Health Science Clinical Studies (H) is a course that guides students to make connections from the classroom to the healthcare industry through clinical experiences/activities. This course is designed to provide for further development and application of knowledge and skills common to a wide variety of healthcare professions. The students in this course will build on all information and skills presented in the previous required course foundation standards. The students will relay these skills into real life experiences. Students must demonstrate advanced knowledge of anatomy, physiology, and pathophysiology in order to be successful in this course.

Students will have the option of focusing on Pharmacology for Medical Careers (Pharmacy Technician Training Program). This is a program designed to inform senior level students about pharmacology in the medical field and to train future pharmacy technicians for success in this career. At the high school level, students are exposed to pharmacy careers and benefit from pharmacology, math, and science standards included in this course. Students must be a three unit completer in Health Science to enroll in this course. Students may choose the clinical rotation OR the pharmacology option for field experiences. There may be a cost associated with the pharmacology option.
# HEALTH AND HUMAN SERVICES

## ELECTIVES:

### Sports Medicine

<table>
<thead>
<tr>
<th>Course</th>
<th>Code</th>
<th>Grades</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Sports Medicine 1 - CP</strong></td>
<td>555501CW</td>
<td>9, 10, 11, 12</td>
<td>This course is a basic introduction to sports medicine. Topics covered are first aid, emergency procedures, prevention of athletic injuries, basic sports nutrition, anatomy, recognition of injuries, organizational skills, and careers in sports medicine.</td>
</tr>
<tr>
<td><strong>Sports Medicine 2 - CP</strong></td>
<td>555502CW</td>
<td>10, 11, 12</td>
<td>Prerequisite: Sports Medicine 1 and Teacher Recommendation. This course will take an in-depth look at the prevention, recognition, and treatment of athletic injuries including modalities. Human anatomy, kinesiology, exercise physiology, taping skills, sports nutrition, and rehabilitation techniques concerned with athletic injuries will be studied.</td>
</tr>
<tr>
<td><strong>Sports Medicine 3 - CP</strong></td>
<td>555603CW</td>
<td>11, 12</td>
<td>Prerequisite: C average in Sports Medicine 2 and teacher recommendation. Sports Medicine 3 is required to for the Sports Medicine major along with a fourth course such as Health Science 1, Health Science 3, or Biomedical Science. Students will evaluate injuries, the body’s response to injury and purposes and practices in rehabilitation. They will participate in an internship with a medical related professional. Students will be able to earn certifications in CPR and First Aid.</td>
</tr>
</tbody>
</table>
HEALTH AND HUMAN SERVICES
ELECTIVES:

Biomedical Science (PLTW)

Note: Biomed. Science courses are electives and do not meet the graduation requirement for “science.” Students who pass a Biomed PLTW course (except Biomedical Innovation) AND meet the cut score determined by PLTW on the final exam will be given Dual Credit weighting for the course.

Principles of Biomedical Science – CP or possible Dual Credit weighting for GPA 558000CW
Grades: 9, 10, 11, 12
Prerequisite: Successful completion of math and science courses
This course provides an introduction to the biomedical sciences through exciting “hands-on” projects and problems. Students investigate the human body systems and various health conditions including heart disease, diabetes, sickle-cell disease, hypercholesterolemia, and infectious diseases. Key biological concepts include: homeostasis, metabolism, inheritance of traits, feedback systems, and defense against disease. These concepts are explored through lab based activities incorporating engineering principles. The course provides an overview of all biomedical courses in the program.

Human Body Systems (Biomed. Science 2) – CP or possible Dual Credit weighting for GPA 558100CW
Grades: 10, 11, 12
Prerequisite: Principles of Biomedical Science
In this challenging hands-on course, students work through interesting real world cases and often play the role of biomedical professionals to solve medical mysteries. Students engage in the study of the processes, structures, and interactions of the human body systems. Important concepts in the course include: communication, transport of substances, locomotion, metabolic processes, defense, and protection. The central theme is how the body systems work together to maintain homeostasis and good health. The systems are studied as “parts of the whole,” working together to keep the amazing human machine functioning at an optimal level. Students will design experiments, investigate the structures and functions of body systems, and use data acquisition software to monitor body functions.

Medical Intervention (Biomed. Science 3) – CP or possible Dual Credit weighting for GPA 558200CW
Grades: 10, 11, 12
Prerequisite: Principles of Biomedical Science and Human Body Systems
Throughout the Medical Intervention course, 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.

Biomedical Innovation (Biomedical Science 4) - H 558300HW
Grades: 10, 11, 12
Prerequisite: Medical Intervention and Teacher Recommendation
In this capstone course, students apply their knowledge and skills to answer questions or to solve problems related to the biomedical sciences. Students design innovative solutions for the health challenges of the 21st century as they work through progressively challenging open-ended problems, addressing topics such as clinical medicine, physiology, biomedical engineering, and public health. They have the opportunity to work on an independent project and may consult with a mentor or advisor from a university, hospital, physician’s office, or industry. Throughout the courses, students are expected to present the results of their work to an adult audience, which may include representatives from the local business or healthcare community.
HEALTH AND HUMAN SERVICES

ELECTIVES:

Culinary Arts

Foods and Nutrition - CP
Grades: 9, 10, 11, 12
Course Description: Are you aware of what foods to eat to maintain a healthy lifestyle? Can you select and prepare healthy foods? If not, this is the course for you! Food and Nutrition 1 will allow students to evaluate food choices, practice a variety of food preparation techniques, demonstrate table service and etiquette, and explore nutrition related careers. Critical thinking and practical problem-solving are emphasized in a co-curricular approach that incorporates principles of mathematics, science, writing, communications, and economics. The ServSafe® employee certification provides increased marketability.

Inclusion of the Family and Consumer Sciences student organization, Family Careers, and Community Leaders of America (FCCLA), greatly enhances this curriculum.

Culinary Arts Management 1 – CP
Grades: 10, 11, 12
Prerequisite: Foods and Nutrition
This course emphasizes skills in the following areas: cuisines, culinary basics, culinary mathematics, dining room operations, food production techniques, food service management, menus nutrition, professionalism, recipes, safety and sanitation, and sustainability. Integration of the Family and Consumer Sciences co-curricular student organization, Family Careers, and Community Leaders of America (FCCLA) and SkillsUSA, greatly enhances the learning experience. Employment opportunities and qualifications are explored as well as industry certifications. Closed-toed shoes and chef’s jacket and hat are required.

Culinary Arts Management 2 – CP
Grades: 10, 11, 12
Prerequisites: Culinary Arts Management 1
This course applies and expands upon the skills learned in Culinary Arts 1. Students will gain valuable experiences in the following: cuisines, culinary basics, culinary mathematics, dining room operations, food production techniques, food service management, menus, nutrition, professionalism, recipes, safety and sanitation, and sustainability. Integration of the Family and Consumer Sciences co-curricular student organization, Family Careers, and Community Leaders of America (FCCLA), greatly enhances the learning experience. Students are strongly encouraged to achieve appropriate workplace certification. Closed-toed shoes and chef’s jacket and hat are required.
HEALTH AND HUMAN SERVICES
ELECTIVES:
Law and Legal Services

Law Related Education - CP
Grades: 10, 11, 12
This is a course in general law. Law Related education involves teaching students about the rights and responsibilities of citizenship. It provides students with active learning opportunities that foster their understanding of the role of law in a democratic society. Students learn about laws and the legal system and how it affects their lives.

Criminal Justice - CP
Grades: 11, 12
Prerequisite: It is highly recommended students complete US History CP and teacher recommendation
Criminal Justice CP is the study of criminal law with an emphasis on the study of police, courts and the prison system. Criminal Justice CP involves the in-depth examination of people, institutions and important societal issues.

Mock Trial - CP
Grades: 10, 11, 12
The Mock Trial course includes an introduction to legal argument, organization, preparation, and oral presentation of arguments such as opening and closing statements, direct questions, and cross examinations. Classes will include substantive lectures, student performances of assigned problems, written assignments, and demonstrations of trial skills. Some independent research will be necessary. Projects will involve both individual and group assignments.

Business Law - CP
Grades: 10, 11, 12
Business Law will help students make smart and informed decisions in the following areas: Fundamentals of Contracts, Property Rights, Forms of Ownership, Workplace Law and Civil Law. Students will review case files and participate in a mock trial.

Public Speaking - CP
Grades: 9, 10, 11, 12
This college preparatory course is designed to introduce students to the foundations of proper communication. Selected units may include interpersonal skills, debate, discussion, interviewing, broadcasting, oral interpretation, and parliamentary procedure. Students will prepare and perform formal and informal speeches.
Physical Education - CP  
Grade: 9

PE Option 1: Volleyball/Tennis/Aerobics or Softball (CR/FM)  
PE Option 1: Volleyball/Tennis/Social Dance (NF)

PE Option 2: Basketball/Track and Field/Tennis

PE Option 3: Badminton/Flag Football/Outdoor Activities  
such as Ultimate Frisbee and Geocaching

PE Option 4: Flag Football/Wrestling/Recreational Games (CR/FM)  
PE Option 4: Flag Football/Baseball/Recreational Games (NF)

PE Option 5: Marching Band with PE Standards

There is a daily emphasis on physical exercise and the student is required to dress in PE uniforms.

Physical Education 2 (Physical Conditioning) - CP  
Grades: 10, 11, 12
This course is designed as an introductory fitness and exercise class. It is intended to aid students in making important decisions about their personal exercise program and in developing a healthy lifestyle. The course includes a vigorous weight lifting component and instruction in muscle groups and cardiovascular fitness. Finding the student’s target fitness zone and working to achieve an optimum fitness level is emphasized.

Physical Education 3 (Physical Conditioning 2) - CP  
Grades: 10, 11, 12  
Prerequisite: Physical Conditioning 1
This course is a continuation of Physical Conditioning 1. Extensive lab work is required.

Personal Health and Wellness (Sports and Fitness) - CP  
Grades: 10, 11, 12  
Prerequisite: Physical Education 1
This course will help students achieve higher levels of fitness and health through a variety of competitive sports. Students will participate in team and individual sports through tournament formats such as double elimination and round robin. Examples of activities include flag football, softball, basketball, ping pong, badminton, and ultimate Frisbee.

Physical Education 4, 5, 6, (Physical Conditioning 4, 5, 6)  
Grades: 10, 11, 12  
Prerequisite: Previous level of physical education
These courses are a continuation of Physical Conditioning. Extensive lab work is required.
Leadership Education is based upon the tenants of leadership: to teach and develop a sense of citizenship, responsibility, discipline and character. Throughout the program, the Leadership Education curriculum is presented by way of five different categories of instruction. Those categories are: 1) Leadership, 2) Citizenship, 3) Personal Growth and Responsibility, 4) Public Service and Career Exploration, and 5) General Military Subjects. The curriculum reflects two fundamental aspects: Leadership Studies which teach leadership and citizenship; and the Leadership Labs which allow the student to apply that knowledge.

<table>
<thead>
<tr>
<th>Grade</th>
<th>Fall</th>
<th>Spring</th>
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<tbody>
<tr>
<td>9</td>
<td>JROTC 1 375100CW</td>
<td>JROTC 2 375200CW</td>
</tr>
<tr>
<td>10</td>
<td>JROTC 3 375300CW</td>
<td>JROTC 4 375400CW</td>
</tr>
<tr>
<td>11</td>
<td>JROTC 5 375500CW</td>
<td>JROTC 6 375600CW</td>
</tr>
<tr>
<td>12</td>
<td>JROTC 7 CP and Honors 375700CW or 375700HW</td>
<td>JROTC 8 CP and Honors 375800CW or 375700HW</td>
</tr>
</tbody>
</table>

**JROTC 1, 2 CP (two separate courses)**  
375100CW and 375200CW  
*Grades: 9, 10, 11, 12*

The first unit of the Leadership Education program provides an introduction to both leadership and citizenship. It also exposes new cadets to personal growth and responsibility and establishes a foundation in military structure and tradition. Additionally, cadets participate in a healthy physical education program and are first exposed to the teamwork required in organized drill. This course will serve as the student’s graduation requirement for physical education (JROTC 1) and High School 101 (JROTC 2).

**JROTC 3, 4 CP (two separate courses)**  
375300CW and 375400CW  
*Grades: 9, 10, 11, 12*

*Prerequisite:* Previous JROTC courses and approval from the Senior Instructor  
Leadership Education II continues the leadership and citizenship classes of JROTC 1 and 2. During this course students receive instruction in General Military Subjects with more structure and tradition than in previous classes. Cadets also receive an introduction to the exciting sport of marksmanship, and orienteering training with map and compass. This unit also provides additional learning experiences in personal growth and responsibility, as well as citizenship.

**JROTC 5, 6 CP (two separate courses)**  
375500CW and 375600CW  
*Grades: 10, 11, 12*

*Prerequisite:* Previous JROTC courses and approval from the Senior Instructor  
In JROTC 5 and 6, cadets resume building upon the subjects they studied in previous JROTC courses, including various career options by beginning to learn more about public service and other possible careers for life after high school. Cadets also learn about job seeking and the interview process as well as receiving instruction in personal finances.
HEALTH AND HUMAN SERVICES ELECTIVES: JROTC
Leadership Education (cont.)

JROTC 7 CP or H, 8 CP or H (two separate courses)  375700CW or HW and 375800CW or HW
Grades: 10, 11, 12
Prerequisite: Approval from the Senior Instructor
JROTC 7 and 8 is the culmination of a cadet’s Leadership Education studies. Cadets are expected to keep up with and be able to discuss current events. Social and cultural topics such as equal opportunity and sexual harassment are studied, and writing assignments are required on subjects approved by the instructor. Finally, cadets create a personal resume for their future use after high school.

JROTC LEADERSHIP LABS
Leadership Labs are the practical application phase of the textbook leadership learned in the MCJROTC Leadership Education curriculum. This application takes place primarily in the JROTC environment under the guidance of JROTC instructors. Cadets in the Leadership Labs will be assigned leadership tasks/responsibilities within JROTC unit on a full time basis as determined by the Senior Marine Instructor. In addition to their leadership duties, cadets also continue to hone their skills by participating in leadership forums with their instructors.

Leadership Lab I – CP  379901CW
Grades: 10, 11, 12
Prerequisite: LE-I, LE-II and approval from the Senior Instructor
Cadets exercise small unit leadership at the cadet squad level. In their leadership responsibilities, LL-I cadets will oversee the daily conduct and accountability of LE-I or LE-II cadets. This includes inspecting the daily appearance of cadets, with special emphasis on uniform days, organizing and leading drill and PT sessions. When LE cadets are under the full supervision of any instruction, LL-I cadets continue their academic studies with self paced courses in communications, basic grammar, driving for life as determined by the Senior Instructor.

Leadership Lab II – CP  379902CW
Grades: 10, 11, 12
Prerequisite: LL-I and approval from the Senior Instructor
Cadets exercise small unit leadership at the cadet platoon level. In their leadership responsibilities, LL-II cadets oversee the daily conduct and accountability of LL-I cadets. This will include oversight and supervision of subordinate Leadership Lab cadets conducting inspections and other activities with their squads of LE-I or LE-II cadets. Leadership Lab II cadets will organize and lead platoon drill and PT sessions. LL-II cadets will also take responsibility for counseling cadets in their platoon to correct improper performance and reinforce good performance, and recommending evaluation marks/cadet promotions to the SMI. When LE cadets are under the full supervision of an instructor, LL-II cadets will continue their academic studies with self-paced courses in decision making fundamentals, interpersonal skills, communicating as a leader, as determined by the Senior Instructor.
Leadership Lab III – CP
Grades: 11, 12
Prerequisite: LL-II and approval of the Senior Instructor
Cadets will exercise small unit leadership at the cadet company level. In their leadership responsibilities, LL-III cadets will oversee the daily conduct and accountability of the various staff and leadership tasks of the unit. This will include inspecting a cadet platoon, with special emphasis on uniform days. Usually LL-III cadets serve in various staff assignments such as supply, operations, and administration or are Platoon Commanders, Executive Officers, or Cadet Commanding Officers. When LE cadets are under the full supervision of an instructor, LL-III cadets will continue their academic studies with self-paced courses in media awareness, delivering a presentation, brainstorming and promoting creative thinking, as determined by the Senior Instructor.

Leadership Lab IV – CP
Grade: 12
Prerequisite: LL-III and approval of the Senior Marine Instructor
Cadets entrusted to participate in Leadership Lab IV will primarily serve as mentor for other high school students, in or out of the Marine Corps JROTC program. This is a serious responsibility for a high school student, and approval from the SMI and principal is required. When the student being mentored by the LL-IV cadet is not available, LL-IV cadets will continue their academic studies with self-paced courses in building a project team, leading the successful project team, as determined by the Senior Marine Instructor.
ADDITIONAL COURSES

Academic Strategies 390R01CW, 390R02CW, 390R03CW, 390R04CW
Grades: 9, 10, 11, 12
Prerequisite: Teacher Recommendation
The design of this course promotes the active engagement of its students in their efforts toward becoming strategic, effective and independent learners. Providing direct instruction that enables students to acquire and apply necessary strategies and skills, the course has the dual goals of enhancing their success in the classroom and preparing them for their transition to a post secondary setting.

High School 101 - CP 339950CW, 339951CW
*Required for graduation
Grades: 9, 10, 11, 12
High School 101 is a required course that focuses on providing new high school students with the skills necessary to be successful during high school as well as for post-secondary pursuits. The course addresses many of the challenges that teens face and provides direction for a smooth transition. It also meets several state mandated requirements for high school students. Emphasis is placed on the following: orientation, study habits, learning styles, time management, technology, career exploration/employability skills, academic planning, financial planning, personal growth and goal setting, drug and bullying prevention, and comprehensive health and community service. By the end of the course, student will have effective planning strategies for a productive, well-rounded future. Students receive the required Comprehensive Health Education during this course.

SAT/ACT Improvement - CP 401100CW
Grades: 11, 12
Prerequisite: Intermediate Algebra or Algebra 1, Geometry
This course will focus on the Algebra 2 standards while preparing students for success on college entrance exams. Attention is given to thinking skills, vocabulary development, and college study skills.

LEAD: Learn, Educate, Appreciate, Develop 379985CW
Grades: 10, 11, 12
Successful athletes, powerful business people, and highly effective individuals - what do they have in common? They must have strong leadership skills to achieve success. This class is designed to teach students leadership skills that will be important to their future - regardless of career goals. This class teaches several of the basic skills identified as crucial for success into the next century. These skills include problem solving and creative thinking; self-esteem, goal setting and motivation; interpersonal skills and teamwork; situational leadership and communication. The class emphasizes small group work.

Teacher Aide (No Credit) 37992500
Grades: 11, 12
The student helps a teacher on the high school campus with clerical work or any other tasks that the teacher designates.
The SC High School Credential provides a course of study designed to equip students with the skills, knowledge, and work ethic needed to succeed in today’s job market. The uniform, state-recognized SC High School Credential is aligned to a newly created course of study for students with disabilities whose Individualized Education Program (IEP) team determines this course of study is appropriate. The SC High School Credential is not a SC High School Diploma and is not for all students with disabilities.

24 units of coursework aligned with the SC College-and-Career-Ready Standards

<table>
<thead>
<tr>
<th>UNITS</th>
<th>COURSES</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>ELA</td>
</tr>
<tr>
<td>4</td>
<td>Math</td>
</tr>
<tr>
<td>2</td>
<td>Science</td>
</tr>
<tr>
<td>2</td>
<td>Social Studies</td>
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<tr>
<td>4</td>
<td>Employability Education</td>
</tr>
<tr>
<td>1</td>
<td>PE/Health (or equivalent)</td>
</tr>
<tr>
<td>1</td>
<td>Technology</td>
</tr>
<tr>
<td>6</td>
<td>Electives</td>
</tr>
</tbody>
</table>

-AND-

- Career portfolio that includes a multimedia presentation project
- Word readiness assessment results that demonstrate the student is ready for competitive employment
- Work-based learning/training that totals at least 360 hours
Life Skills Courses

Fort Mill School District offers the following courses to students who require skills-based instruction in the areas of functional academic, daily living, and employment skills. Completion of the coursework taken within these curriculums will not lead to students earning credits for a South Carolina High School diploma.

The Life Skills curriculum focuses on daily living, social, vocational, community training, domestic, recreation, and functional academics. Following completion of these courses and upon exiting high school, students will receive a district credential.

**Life Skills: Daily Living**
*Grades: 9, 10, 11, 12+
This is a course which includes instruction on the ability to self-manage behavior, communicate effectively with others in everyday life, and perform essential daily self-care and self-help skills. Instruction is individualized based on each student’s needs but is focused on basic communication, self-management, dressing, toileting, grooming, health and safety.*

**Life Skills: Functional Academics**
*Grades: 9, 10, 11, 12+
This is a course which includes instruction on classroom mechanics, routines and expectations, common knowledge, the use of reading, writing, and math skills as it applies to everyday living, as well as the operation of technological devices within the school setting.*

**Life Skills: Pre-Employment Training**
*Grades: 9, 10, 11, 12+
This is a course which includes instruction that will allow learners to pursue, obtain, and participate in meaningful supported employment skills in a variety of settings. There is a focus on the “soft skills” required for participation in many jobs as well as instruction in communication skills, social skills and interactions, and workplace etiquette. This course may also include instruction on skills such as folding, collating, packaging, cleaning, laundry, as well as restaurant/kitchen skills, warehouse skills, building/construction and gardening.*
Occupational Studies

The Occupational Studies curriculum focuses on academic, functional, and employment skills with an emphasis placed on the competencies and skills needed to prepare students for productive and independent living. Following completion of these courses and upon exiting high school, students will receive a district credential. These courses do not lead to a high school diploma.

**Occupational Studies 1, 2, 3, 4**  
*Grades: 9, 10, 11, 12*

Occupational Studies courses will focus on skills necessary for daily living and the world of work. Students will acquire functional academic skills that parallel to the state standards in English and mathematics with a focus on real-world application. There is a strong focus on developing literacy skills which are needed to gain meaning from a variety of texts and other mediums through analysis and application. Students will study real-world vocabulary necessary for independent living and employment. Students will write for a variety of tasks, purposes, and audiences and communicate effectively with others in both daily living and employment settings. This course focuses on the development of the student’s ability to understand and apply mathematics real-world situations using a variety of mathematical tools and develop real-world problem solving skills. There is a focus on developing skills related to personal finance and independent living.

**Occupational Studies Science 1, 2**  
*Grades: 9, 10, 11, 12*

Occupational Studies Science is aligned to the SC College- and Career Ready Biology and Physical Science Standards. This course will include instruction in the practices of science and engineering, allowing students to engage in problem solving, decision making, critical thinking, and applied learning. Students enrolled in this course will participate in laboratory exercises with hands-on investigation.

**Occupational Studies Social Studies 1, 2**  
*Grades: 9, 10, 11, 12*

Occupational Studies Social Studies is aligned to the SC College- and Career Ready US History and Constitution, US Government and Economics. This course focuses on local, state, and federal government and the economics as it relates to consumers and producers. Students will apply the information learned in this course to real-world situations. Students will develop an understanding of the US Constitution and their rights and responsibilities.

**Occupational Studies – Employment Education 1, 2, 3, 4**  
*Grades: 9, 10, 11, 12*

Occupational Studies Employment Education is designed for students to explore and research career interests, develop self-determination skills, and develop soft and hard skills necessary to obtain and maintain successful employment in the community. Students in these courses may participate in job shadowing and structured field studies to gain a greater understanding of skills necessary for specific careers.
Occupational Studies

Occupational Training 1 - PAES (Practical Assessment Exploration System)
Grades: 9, 10
Students enrolled in this course participate in a simulated work environment in the PAES Lab. Students explore five career vocational areas: Computer Technology, Construction/Industrial, Processing/Production, Consumer/Service, and Business/Marketing. This course will help students identify careers of interest and work behaviors they need to develop.

Occupational Training 2
Grades: 10, 11
Students enrolled in this course participate in school-based internships and school-based enterprises. Students will continue to explore careers through a variety of internships in the school aligned with SC career clusters. Students will develop skills and work behaviors necessary for successful employment through internships and participation in school-based enterprise. Upon completion of the course students should be able to identify a chosen career cluster and career goal.

Occupational Training 3
Grades: 11, 12
Students enrolled in this course will participate in a school-based internship or a school-based enterprise focusing on the development of skills and work behaviors specific to their post-secondary career goal.

Occupational Training 4
Grades: 11, 12
Students enrolled in this course will generalize skills and work behaviors learned in the classroom to work-sites in the community. Students may participate in vocational training at South Carolina Vocational Rehabilitation or work-based learning experiences in the school/community. Upon completion of this course students will have the skills to enter the workplace.

Post-Secondary Preparation

Transition
Prerequisite: Completion of 4 years of high school in the life skills or occupational studies program
This course is designed for students ages 18-21 with an IEP who continue to receive special education services to develop vocational skills, daily living skills, and functional academics. Students spend a portion of the school day learning functional academic and vocational skills in the classroom which are then generalized through Community-Based Instruction and vocational training in the community. Students will gain daily living skills related to cooking, cleaning, and self-care.

Project SEARCH
Prerequisite: Previous enrollment in life skills, occupational studies or occupation credential program.
Must be in your last year of high school or special education services and 18-21 years of age by the first day of school. Students must complete an application and participate in a skills-assessment/interview for acceptance into the program. Teacher recommendation required.
Project SEARCH is a partnership with Piedmont Medical Center, Vocational Rehabilitation, and Fort Mill School District which provides real-life work experience combined with training in employability and independent-living skills to help young people with intellectual and developmental disabilities make successful transitions to productive adult life. The goal of Project SEARCH is competitive employment.
Dual credit courses allow students to earn high school and college credit simultaneously. Dual credit courses carry a 1.0 quality point weighting above CP level courses. Students must have a 3.0 GPA in order to meet USCL’s admission criteria for dual credit courses.

If a student meets the pre-requisites for the course and enrolls in the program they would take both classes in each cluster in one semester. Students are not able to take only one class within one cluster. As a result, they would earn credit for two college courses (6 college credit hours). They would earn 1 credit for each course on their high school transcript.

The following dual credit courses are in partnership with the University of South Carolina Lancaster. Your child may qualify for S.C. Lottery Tuition Assistance which would cover their tuition. If your child is not eligible for this scholarship there is a fee associated with these courses, payable to USCL. Please consult with prospective colleges to determine if and how they would accept these courses upon enrollment in college. **Students are responsible for the costs of textbooks for these courses. The Lottery Tuition Assistance does NOT cover the costs of books.**

<table>
<thead>
<tr>
<th>Course name</th>
<th>USCL Code</th>
<th>HS Code</th>
<th>Pre-Requisite</th>
<th>Grades</th>
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Appendix

Grade Point Conversion Chart 87
Scholarship Information 88
NCAA Clearinghouse Information 89 - 92
Individual Graduation Plan Worksheet 93
Index 94
Course Index 95
# 10 Point Grading Scale

## South Carolina Uniform Grading Scale Conversions

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<th>College Prep Weighting</th>
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# SC Scholarship and Grant Programs

This is a brief overview of the State Scholarships and Grants programs. For more detailed information refer to the SC Commission of Higher Education’s website at [www.che.sc.gov](http://www.che.sc.gov)

<table>
<thead>
<tr>
<th>Initial Eligibility</th>
<th>Palmetto Fellows Scholarship</th>
<th>LIFE Scholarship</th>
<th>SC HOPE Scholarship</th>
<th>SC Needs-Based Grant</th>
<th>Lottery Tuition Assistance</th>
</tr>
</thead>
</table>
| Please note the capture dates for qualifying. | - Minimum 3.5 cumulative GPA based on SC Uniform Grading Scale  
- Minimum Score of 1200 SAT/27 ACT  
- Rank in top 6% of class at end of sophomore, junior, or senior year based on official final transcript. **OR**  
- Minimum 4.0 cumulative GPA based on SC Uniform Grading Scale  
- Minimum Score of 1400 SAT(critical reading/Math)/32 ACT  
Application distributed by guidance and due in senior year | Four Year Institution  
Must have 2 of 3:  
Minimum of 3.0 on the SC Uniform Grading Scale  
Rank in top 30% of high school graduating class  
Minimum Score of 1100 SAT /24 ACT **OR**  
Two Year Institution:  
Minimum 3.0 cumulative GPA based on SC Uniform Grading Scale | Minimum 3.0 cumulative GPA based on the SC Uniform Grading Scale  
No minimum test score or rank required. | No Minimum GPA  
Students must complete Free Application for Federal Student Aid. (FAFSA) | No Minimum GPA  
However, students must complete Free Application for Federal Student Aid. (FAFSA) |
| Award Amount | Up to $6,700 toward the cost of attendance at eligible 4-year institutions | Up to $5,000 toward the cost of attendance at eligible 4-year institutions **OR** Up to $5,000 at a 2-yr institution (includes $300 book stipend) | $2,800 (includes $300 book stipend) toward the cost of attendance at eligible 4-year institutions | Up to $2,500 for full time students and $1,250 for part-time toward the cost of attendance at eligible 4-yr institutions | Up to cost of tuition at a 2-year college. |
| Renewal Criteria | Minimum 3.0 cumulative GPA and 30 credit hours for graduation purposes each academic year in college | Minimum 3.0 cumulative GPA and an average 30 credit hours each academic year based on initial college enrollment | This scholarship is for the first year of attendance at a 4-year institution only. See LIFE scholarship requirements for sophomore year in college. | Fill out FAFSA and minimum 2.0 cumulative GPA and 24 credits hrs. each academic year if full time and 12 hrs if part-time | Fill out FAFSA and satisfactory academic progress |
| Term Limit | 8 consecutive terms toward first bachelor’s degree | 2 consecutive terms for a certificate or diploma diploma,4 consecutive terms for an associate’s degree, 8 consecutive terms for first bachelor’s degree | 8 consecutive terms toward bachelor’s degree | | |

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DIVISION I ACADEMIC REQUIREMENTS

College-bound student-athletes will need to meet the following academic requirements to practice, receive athletics scholarships, and/or compete during their first year.

Core-Course Requirement
Complete 16 core courses in the following areas:

<table>
<thead>
<tr>
<th>Course</th>
<th>Requirement</th>
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<tbody>
<tr>
<td>ENGLISH</td>
<td>4 years</td>
</tr>
<tr>
<td>MATH (Algebra I or higher)</td>
<td>3 years</td>
</tr>
<tr>
<td>NATURAL/PHYSICAL SCIENCE (Including one year of lab, if offered)</td>
<td>2 years</td>
</tr>
<tr>
<td>ADDITIONAL (English, math, or natural/physical science)</td>
<td>1 year</td>
</tr>
<tr>
<td>SOCIAL SCIENCE</td>
<td>2 years</td>
</tr>
<tr>
<td>ADDITIONAL COURSES (Any area listed to the left, foreign language or comparative religion/philosophy)</td>
<td>4 years</td>
</tr>
</tbody>
</table>

Full Qualifier
- Complete 16 core courses.
  - Ten of the 16 core courses must be completed before the seventh semester (senior year) of high school.
  - Seven of the 10 core courses must be in English, math or natural/physical science.
  - Earn a core-course GPA of at least 2.300.
  - Earn the ACT/SAT score matching your core-course GPA on the Division I sliding scale (see back page).
  - Graduate high school.

Academic Redshirt
- Complete 16 core courses.
  - Earn a core-course GPA of at least 2.000.
  - Earn the ACT/SAT score matching your core-course GPA on the Division I sliding scale (see back page).
  - Graduate high school.

Full Qualifier:
College-bound student-athletes may practice, compete and receive athletics scholarships during their first year of enrollment at an NCAA Division I school.

Academic Redshirt:
College-bound student-athletes may receive athletics scholarships during their first year of enrollment and may practice during their first regular academic term, but may NOT compete during their first year of enrollment.

Nonqualifier:
College-bound student-athletes cannot practice, receive athletics scholarships or compete during their first year of enrollment at an NCAA Division I school.

International Students: Please visit ncaa.org/international for information and academic requirements specific to international student-athletes.
Test Scores

When a student registers for the SAT or ACT, he or she can use the NCAA Eligibility Center code of 9999 so his or her scores are sent directly to the NCAA Eligibility Center from the testing agency. Test scores on transcripts will NOT be used in his or her academic certification.

A combined SAT score is calculated by adding reading and math subscores. An ACT sum score is calculated by adding English, math, reading and science subscores. A student may take the SAT or ACT an unlimited number of times before he or she enrolls full time in college. If a student takes either test more than once, the best subscores from each test are used for the academic certification process.

If you took the SAT in March 2016 or after, and plan to attend an NCAA Division I college or university in the 2018-19 or 2019-20 academic years, use the following charts to understand the core-course GPA you need to meet NCAA Division I requirements.

For more information on the SAT, click here to visit the College Board’s website.

### Full Qualifier Sliding Scale

**DIVISION I FULL QUALIFIER SLIDING SCALE**

<table>
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<th>Core GPA</th>
<th>New SAT* (Prior to 3/2016)</th>
<th>Old SAT</th>
<th>ACT Sum</th>
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### Full Qualifier Sliding Scale

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<th>Old SAT</th>
<th>ACT Sum</th>
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*Final concordance research between the new SAT and ACT is ongoing.

NCAA is a trademark of the National Collegiate Athletic Association.
2018 DIVISION II NEW ACADEMIC REQUIREMENTS

College-bound student-athletes first enrolling at an NCAA Division II school on or after Aug. 1, 2018, need to meet new academic rules to practice, compete and receive athletics scholarships during their first year.

Core-Course Requirement
Complete 16 core courses in the following areas:

- **ENGLISH**: 3 years
- **MATH (Algebra I or higher)**: 2 years
- **NATURAL/PHYSICAL SCIENCE** (Including one year of lab, if offered): 2 years
- **ADDITIONAL** (English, math, or natural/physical science): 3 years
- **SOCIAL SCIENCE**: 2 years
- **ADDITIONAL COURSES** (Any area listed to the left, foreign language or comparative religion/philosophy): 4 years

**Full Qualifier**
- Complete 16 core courses.
- Earn a core-course GPA of at least 2.200.
- Earn the ACT/SAT score matching your core-course GPA on the Division II full qualifier sliding scale (see back page).
- Graduate high school.

**Partial Qualifier**
- Complete 16 core courses.
- Earn a core-course GPA of at least 2.000.
- Earn the ACT/SAT score matching your core-course GPA on the Division II partial qualifier sliding scale (see back page).
- Graduate high school.

**NonQualifier:**
College-bound student-athletes may not practice, compete or receive athletics scholarships during their first year of enrollment at an NCAA Division II school.

International Students: Please visit ncaa.org/international for information and academic requirements specific to international student-athletes.
Test Scores

If you took the SAT in March 2016 or after, and plan to attend an NCAA Division II college or university in the 2018-19 or 2019-20 academic years, use the following charts to understand the core-course GPA you need to meet NCAA Division II requirements.

A combined SAT score is calculated by adding reading and math subscores. An ACT sum score is calculated by adding English, math, reading and science subscores. You may take the SAT or ACT an unlimited number of times before you enroll full time in college. If you take either test more than once, the best subscores from each test are used for the academic certification process.

For more information on the SAT, click [here](#) to visit the College Board’s website.

### DIVISION II FULL QUALIFIER SLIDING SCALE

<table>
<thead>
<tr>
<th>Core GPA</th>
<th>New SAT* (Prior to 3/2016)</th>
<th>Old SAT (Prior to 3/2016)</th>
<th>ACT Sum</th>
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</thead>
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### DIVISION II PARTIAL QUALIFIER SLIDING SCALE

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<td>68 &amp; above</td>
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*NCAA is a trademark of the National Collegiate Athletic Association.

*Final concordance research between the new SAT and ACT is ongoing.*
# Individual Graduation Plan (IGP) Worksheet

**Name:** 

**State ID Number:** 

**Current Grade:** 

**Academy/School of Study (Optional):** 

---

**Clusters:**

**Majors:**

- Declare Only [ ] Intend to Complete [ ]

**Career Goal:** 

---

**Postsecondary Plans:**

- Workforce/Apprenticeship [ ]
- Two-Year College/Technical Training [ ]
- Four-Year College [ ]
- Military [ ]

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**Required Courses for Major**

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<th>Major Course</th>
<th>Complementary Course Work</th>
<th>Extended Learning Opportunity Options Related to Major</th>
<th>Certification(s) (Upon Completion of Major)</th>
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**College Credit Codes:**

- CA - College Credit by Competency Articulation
- EA - College Credit by Exam Available
- NC - College Credit through National Certification Available
- DE - Dual Enrollment; Check Local Articulation Agreements
- TA - Statewide University Transfer Agreement

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*The Individual Graduation Plan should meet high school graduation requirements as well as college entrance requirements.*

*Required for graduation*

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**Student Signature:** 

**Date:** 

**Parent/Guardian/Representative Signature:** 

**Date:** 

**Counselor Signature:** 

**Date:** 

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The IGP reflects a plan that may be subject to change by the availability and timing of course offerings in each school district.
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Catawba Ridge High School
1180 Fort Mill Parkway Fort Mill, SC 29715

Fort Mill High School
215 N. Hwy 21 Bypass Fort Mill, SC 29715

Nation Ford High School
1400 A.O. Jones Blvd. Fort Mill, SC 29715