RICHLAND ONE

ENGAGE • EDUCATE • EMPOWER

2023-2024
Middle School Course Catalog

Alcorn Middle School

Crayton Middle School

Gibbes Middle School

Hand Middle School

Hopkins Middle School

W.A. Perry Middle School

W.G. Sanders Middle School

Southeast Middle School

St. Andrews Middle School

Updated 01.24.2023

This Course Catalog is provided as information for students, parents, and District staff who are involved in planning programs of study for students. The District does not warrant that this Course Catalog is free of errors or omissions. The District reserves the right to correct errors or omissions in this catalog at the time the errors or omissions are discovered and to adjust school and student records, including grade reports, transcripts, and the calculation of student grade point averages and ranks in class, to reflect those corrections. Use of this Course Catalog does not create or constitute a contract between any user and the District.
August 30, 2017

Changes to the Document by Date

Date		Description of Change
01.10.2023		Minor formatting and grammatical revisions
01.10.2023		Updated High School Science Progression Chart
01.10.2023		Changed ESOL nomenclature to Multilingual Learner Program (MLP) to align with SCDE changes
01.10.2023		Revised Special Education Services course codes; School based staff should reference the Office of Special Services MCC supplement
01.10.2023		Changed Reading Strategy/Reading Lab course titles to align with SCDE Activity Coding Manual
01.10.2023		Updated science course descriptions to align with the South Carolina College- and Career-Ready Science Standards 2021
01.10.2023		Corrected Social Studies 8: South Carolina and United States History title
01.10.2023		Added PLTW Gateway to Technology: Energy and the Environment (W.A. Perry BLAST Aerospace Magnet)
01.24.2023		Updated Board of Commissioners
01.24.2023		Updated Heyward Gibbes logo

DISTRICT INFORMATION

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DISTRICT OVERVIEW

Richland County School District One seeks to offer our students educational opportunities in a personalized environment that promotes learning. The goal of the district is to prepare students for 21st century and life-long learning. In order to accomplish this goal, Richland County School District One provides a challenging and relevant curriculum. The curriculum includes clusters of study, majors and an IGP Success Planner. Clusters of study reflect broad groupings of occupations and industries that are further defined into career pathways. Career pathways include a number of majors, which are designed to focus on an area of interest, although students are never locked into a specific cluster, pathway, or major. An IGP Success Planner is designed in consideration of success with prior course work, assessments and teacher recommendations.

MISSION STATEMENT

We are Richland One, a leader in transforming lives through education, empowering all students to achieve their potential and dreams.

STRATEGIC OBJECTIVES

- Students will master numeracy and literacy skills.
- Students will demonstrate higher order thinking, social skills, and character traits necessary to be contributing citizens in a global society.
- As life-long learners, students will be empowered to continue exploring their interests and passion.

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GENERAL INFORMATION

SOUTH CAROLINA HIGH SCHOOL DIPLOMA REQUIREMENTS

To be eligible to receive a state high school diploma, students must be actively enrolled at the high school issuing the diploma a semester prior to the graduation date except in the case of a bona fide change of residence. Based on State Law, requirements to receive a South Carolina High School Diploma (graduation requirements) for students in grades 9 - 12 are prescribed as follows:

English/Language Arts	4 units
Mathematics	4 units
Science	3 units
United States History and Constitution	1 unit
Economics	½ unit
United States Government	½ unit
Other Social Studies Elective	1 unit
Physical Education, Junior ROTC, Marching Band with Physical Education	1 unit
Computer Science	1 unit
World Language	
OR	1 unit
Career and Technical Education	
TOTAL CORE UNITS	17 UNITS
Electives:	7 units
(Includes Comprehensive Health Education Requirements)	
TOTAL UNITS	24 UNITS

- All students must take End-of-Course Examinations in order to meet graduation requirements set by the State Board of Education.
- All students must earn one unit of credit in computer science. Beginning with the 2018-2019 school year, Keyboarding will not meet the computer science requirement. Keyboarding credits earned before 2018-2019 will meet the requirement. A unit of credit applied toward the computer science requirement may not be used to meet the mathematics requirements or the Career and Technical Education requirements.
- All students must meet the minimum graduation requirement of one world language or one unit in Career and Techn Education (CTE). All students planning to attend a four-year college or university are required to take two units of the same world language. Some colleges or universities require three units of the same world language.
- A half unit of study that meets the Comprehensive Health Education requirements must include a course completed in Personal Health and Wellness (340200CH).
- One unit of fine arts, found in the "Visual and Performing Arts" section, is required as a pre-condition of admission for students planning to attend a public four-year college or university.
- Students are encouraged to exceed the minimum number of credits for graduation and take advantage of the many opportunities provided in each high school. Relevant curricular choices in the elective areas will prepare each student for postsecondary educational opportunities after graduation.

SPECIAL EDUCATION SERVICES SPECIALIZED INSTRUCTION AND RELATED SERVICES

Special Education - Special Education is open to students who have exceptional learning needs and have an active Individualized Educational Program (IEP). A number of special education programs are available in Richland County School District One. The prerequisite for all Special Education courses is that students qualify for special services under the Federal Individual with Disabilities Education Act (IDEA) and have a current Individual Educational Program (IEP).

Special Services Classes are designed to meet the unique educational needs of students who meet state eligibility criteria for special education and need special services which cannot be provided by the general program alone.

Students in the Resource/Inclusion Service Models spend most of their day in general education classes. This service model provides an individualized program with accommodations according to the goals and objective defined in each student's current IEP. Students enrolled in Resource/Inclusion classes and general education classe will be working towards meeting the South Carolina Hig.. School Diploma requirements.

Students in the Self Contained Service Models spend most of their day in special education classes. This service model provides an individualized program with accommodations and modifications according to the goals and objectives defined in each student's current IEP. Students enrolled in this service model will be working towards meeting the South Carolina High School Credential requirements.

SPECIAL EDUCATION SERVICES SOUTH CAROLINA EMPLOYABILITY CREDENTIAL

The Employability Credential is designed for students with disabilities for whom the IEP team determines mastery of a career-based educational program (that includes academics, independent work experience, daily living skills, and self-determination skill competencies) is the most appropriate way for a student to demonstrate his or her skills and provide a free appropriate public education (FAPE).

Given the varying levels of student achievement, as well as the inability to complete required high school diploma coursework, there is a need to provide an alternative option

for students with disabilities to demonstrate their ability to transition into the work community.

Therefore, the South Carolina High School Credential provides job-readiness opportunities for students, ensures they have evidence of employability skills, and honors the work they have undertaken in high school. Students eligible for the South Carolina High School Credential spend most of their day in special education classes. The credential is not a diploma.

To attain the Employability Credential, the student must meet the graduation requirements of one unit of physical education/health (or equivalent) and one unit of technology course; adhere to the local attendance policy; and a total of 24 earned units that include the following:

- English Language Arts courses 4 units
- Mathematics courses 4 units
- Science courses 2 units
- Social Studies courses 2 units
- Employability Education courses 4 units
- PE/Health course (or equivalent) 1 unit
- Technology course 1 unit
- Electives courses 6 units

In addition to completing the coursework outlined above, to receive an Employability Credential, a student must:

1. Complete a career portfolio that includes a multimedia presentation project;
2. Obtain work readiness assessment results that demonstrate the student is ready for competitive employment; and
3. Complete work-based learning/training that totals at least 360 hours, in which:
   a. Work-based learning/training is school-based, community based, and/or paid or unpaid employment;
   b. Work-based learning/training is aligned with the student's interests, preferences, and postsecondary goals and individual graduation plan; and
   c. Paid employment is at a minimum wage or above and in compliance with the requirements of the Federal Fair Labor Standards Act.

SOUTH CAROLINA DEPARTMENT OF EDUCATION DIPLOMA PATHWAYS SEALS OF DISTINCTION

Beginning with the freshman class of 2018 – 2019, students have the option of earning one or more Diploma Pathway Seals of Distinction (Honors Seal, College-Ready Seal, Career-Ready Seal, and/or Specialization Seal (STEM, World Language, Military, and/or Arts). Seals require completion of all graduation requirements. Please Appendix M for specific seal requirements.

GRADE CLASSIFICATION

Grade classification is determined only at the beginning of the school year. In order to comply with state law and ensure continuous and appropriate progress through Grades 9-12, the Richland County School District One Board of Commissioners has established Administrative Rule IKE-R attached to the district Promotion and Retention Policy. Students are promoted or retained in grade classification based on these criteria:

GRADE 9

Grade classification as a ninth-grade student is determined by the eighth-grade promotion standards.

GRADE 10

Grade classification as a tenth-grade student requires the completion of six units to include:

English 1	(1 unit)
Mathematics	(1 unit)
Additional Credits	(4 units)

GRADE 11

Grade classification as an eleventh-grade student requires the completion of twelve units to include:

English 1 and 2	(2 units)
Mathematics	(2 units)
Science	(1 unit)
Social Studies	(1 unit)
Additional Credits	(6 units)

GRADE 12

Grade classification as a twelfth-grade student requires the completion of eighteen units to include:

English 1, 2, and 3	(3 units)
Mathematics	(3 units)
Science	(2 units)
Social Studies	(2 units)
Additional Credits	(8 units)

If a student has sixteen units and is enrolled in coursework that would allow him/her to complete the 24 units needed for a South Carolina High School Diploma within the school year, the student will be eligible to participate in senior activities and events. However, participating in senior activities and events is not a guarantee that graduation requirements will be met successfully.

PROMOTION/RETENTION

A student must pass all core academic subjects (i.e., mathematics, English language arts, science, social studies) and meet standards required by state regulations to be promoted to the next grade.

COURSE REGISTRATION PROCESS

The Master Course Catalog has been carefully prepared for students and parents. Please review this information carefully. Students will receive advisement from a school counselor to help them make appropriate selections. It is important to select courses for the next school year carefully. In addition to providing required courses, each elective area offers courses which meet a variety of student needs. However, student interests (requests for courses), the availability of a properly certified teacher, and the budget determine which elective courses will be taught.

Based upon projected course enrollment, the school and school district make plans for the very best educational program possible, including decisions regarding teacher assignment, teaching position, budget, room assignments and services to students. Therefore, it is important for students and parents to carefully consider course selections in order to avoid course change after the published deadline.

COURSE SELECTION

During the registration process, students are afforded the opportunity to participate in individual advisement with a counselor; review course offerings in the school course catalog; and sign a waiver if a student and his/her parent disagree with the school's recommended courses.

SCHEDULE CHANGES

Students are encouraged to choose courses carefully during the registration period. Students receive a verification form of their requests following the completion of the registration process. The verification form allows students to review their requests and make any appropriate changes prior to a deadline. Once the master schedule is defined, changes are only permitted for extenuating circumstances. If there are conflicts with the courses students select or if courses are dropped due to small numbers, students will be notified. Counselors will discuss alternative course selections with the students. Students should then submit a request for a course change, completed with parent signature, to the Guidance Office.

No preference changes are made after the schedule change deadline. Schools announce this during registration. Changes are made if final grades, summer school, credit recovery and/or VirtualSC completion necessitates the change.

PREPARING AND PLANNING FOR THE FUTURE

Students are encouraged to plan their course of study based on their career interests and educational goals. The school district assists students in this process in a variety of ways. Students are encouraged to take advantage of these opportunities. The school district provides a variety of assessments to assist students in their educational and career decisions. This information is helpful to students as they develop and revise their IGP Success Planner.

All 8th grade students take the South Carolina Occupational Information (SCOIS) Career Assessment. The SCOIS program is designed to hel 6th through 9th graders explore a broad range of options for their future. SCOIS prepares students not only for their high school coursework, but for their post–high school choices as well. It marks an important beginning for a student's future academic and career success.

Work-Based Learning (WBL) Opportunities: Shadowing is one of several WBL opportunities that allows students to explore occupational choices by observing at work sites.

Service learning is a teaching methodology and work-exploration experience, in which community service opportunities are integrated into the curriculum with the goal of enhancing the core curriculum and helping students meet academic standards and develop a sense of civic responsibility. Service learning components should include: preparation, action, reflection and celebration. Citizenship, academic subjects and skills are taught through learning activities based on a curriculum aligned with state content standards as well as character education and/or local performance standards and are organized around a career cluster system. Service Learning is an unpaid experience.

CURRICULUM

The curriculum is designed to meet the needs of all students according to their grade and their intellectual level. The core program includes instruction in English language arts, mathematics, science, and social studies. In addition to the academic courses offered, students are provided opportunities for exploration through Related Arts courses. All students are required to take Health, a semester of Physical Education, and at least one other Related Arts class per year.

REQUIRED CURRICULUM

All students in grades six, seven, and eight are required to take English language arts, mathematics, science, social studies, health, physical education, and one related arts class each year.

TEXTBOOKS

Textbooks are furnished by the state and are issued at the beginning of the school year or semester. Students who lose or damage a book will be responsible for the damage fees.

FIELD EXPERIENCES/STUDIES

Field experiences are an integral part of a school curriculum. Field trips will be taken during school hours and on school buses when possible. Field trips will be authorized by the administration, and students must have written permission signed by parents in order to participate.

SEVENTH AND EIGHTH GRADE STUDENTS EARNING HIGH SCHOOL CREDIT

When approved by the principal and the parents, a student promoted to the seventh or eighth grade who has given evidence of superior achievement or who has a special need may earn high school credit in courses identified by the district. STUDENTS MUST EARN 60 OR BETTER TO RECEIVE HIGH SCHOOL CREDIT.

The credits may be earned in the areas of computer science, English 1, mathematics (Algebra 1, Geometry), and world language. High school courses taken at the middle school level are part of the student's high school transcript and, thus, impact the student's overall high school GPA. If the student withdraws from a course within three days in a 45-day course, five days in a 90-day course, or ten days in a 180-day course, s/he will not be penalized. The student will be given a WP for the course. If the student withdraws from a course after the time specified above (three days in a 45-day course, five days in a 90-day course, or ten days in a 180-day course), the student must be assigned a WF, and the F (as a 50) will be calculated in the student's overall grade point average.

Middle school students who are in an EOCEP course must, like all high school students who are in an EOCEP course, take the EOCEP exam. If they are enrolled in the course when the EOCEP is given and do not take the exam, they will earn a grade of 0 on the exam, which counts 20% of their final grade. 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. In such a case, only the highest grade will be used in figuring the student's GPA. The student may not retake the course if the course being replaced has been used as a prerequisite for enrollment in a subsequent course; i.e., a student may not retake Algebra 1 after having earned credit for a higher level mathematics course (Geometry, Algebra 2).

ATTENDANCE/DENIAL OF CREDIT

The South Carolina State law requires all students who attend public school in South Carolina must be in attendance a minimum of 42 days of a 45-day course, 85 days of a 90-day course, and 170 days of a 180-day course to receive credit upon successful completion. This law is excusable only for cases of illness certified by a physician. Excuses brought in at the end of the school year to cover absences will not be accepted and students are responsible for being aware of their overall number of days, absences, and individual class absences.

If a student in grades 9-12 has more than three days unexcused from a semester course or five unexcused absences in a year-long course, the student will not receive credit for that course. Please note absences are applied to each class individually.
If a student fails a course due to excessive absences, a Frequent Absence (FA) will be recorded on his or her transcript. The grade of FA will carry no Carnegie units but will be factored into the student's GPA as a 51.

EXTENDED ILLNESS/HOMEBOUND INSTRUCTION

If a student misses more than two consecutive days due to illness or injury, parents should contact the attendance office. Students who must be absent from school for an extended period of time due to illness or injury may be eligible to receive homebound instruction. Parents should request the assistance of the counselor to arrange this service.

GRADING POLICY

The modified South Carolina Uniform Grading Scale and the system for calculating grade point averages (GPAs) and class rank will be effective for all students being awarded high school credits. Credit bearing courses completed prior to August 15, 2016, will be awarded quality points based on the 7 point grading scale associated with the weighting of the course.

10 Point Scale	Letter grade	7 Point Scale
90-100	**A**	93-100
80-89	**B**	92-85
70-79	**C**	77-84
60-69	**D**	70-76
0-59	**F**	Below 69

Coursework completed after August 15, 2016, will be awarded quality points based on the 10-point grading scale with the weighting associated with the course. Quality points awarded are limited to the use of the three-decimal-place conversion factors specified in the South Carolina Uniform Grading Policy grade point conversion chart. No additional criteria will be used to determine quality points awarded.

HONOR ROLL

Students are placed on the Honor Roll when they meet the following criteria: The nine-week GPA will be used to determine eligibility for Honor Roll. Students with an "F" will not be considered for the Honor Roll. Students with a grade of incomplete (I) will not be considered for the Honor Roll until the incomplete is replaced with a grade. Schools may choose to award Honorable Mention to students with a 2.70 to 2.99 GPA. Students with an "F" will not be considered for Honorable Mention. Courses which carry Carnegie units will be weighted differently.

The following point system is used to determine honor roll status:

90 to 100 = A	4.00 points
80 to 89 = B	3.00 points
70 to 79 = C	2.00 points
60 to 69= D	1.00 points
0 to 69 = F	0.00 points
Principal Scholar	4.00
A/B Honor Roll	3.50
B Honor Roll	3.00

COURSES CARRYING CARNEGIE UNITS

The uniform grading scale and the system for calculating GPAs and class rank will apply to all courses carrying Carnegie units, including units earned at the middle or junior high school level.

All report cards and transcripts will use numerical grades for courses carrying Carnegie units. Transcripts and reports cards will specify the course title and the level or type of course the student has taken (e.g., English 1, Algebra 2 honors, AP U.S. History). The grading scale title must be printed on the report card. All report cards and transcripts will use numerical grades for courses carrying Carnegie units.

RETAKING A COURSE

Any student may retake a course at the same level of difficulty if the student has earned a D, P, NP, WP, FA, WF, or an F in that course. If the same level course is not accessible, the course may be retaken at a different level of rigor. Districts may extend the policy to allow students making any grade to retake any course per local board decision (Policy IKADD). A student who has taken a course for a unit of high school credit prior to the ninth grade year may retake the course at the same difficulty level regardless of the grade he or she has earned. Retaking the course means that the student completes the entire course again (not a subset of the course such as through credit or content recovery). If the course being retaken has an EOCEP, the EOCEP must be retaken. All course attempts from middle and high school will show on the transcript. Only one course attempt and the highest grade earned for the course will be calculated in the GPA.

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 or before the next sequential course (whichever comes first). 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).

For all grade levels, all courses will remain on the transcript. However, only the highest grade will be used in figuring the student's GPA.

HONORS COURSES

Honors courses, which extend and deepen the opportunities provided by courses at the high school level, are designed for students exhibiting superior abilities in the particular content area. The honors curriculum places emphasis on critical and analytical thinking, rational decision-making, and inductive and deductive reasoning.

Honors courses may be offered in English, mathematics, science, and social studies. Honors weighting is one half of a quality point (.5) higher in weighting than college preparatory (CP) courses. Honors weighting may be designated in other content areas for the third and fourth level of the courses, provided that the courses meet the standard criteria for an honor level course. Honors weighting may not be designated in any physical education courses.

All courses receiving honors weight from in-state and out-of-state public schools must be transcribed at honors weight even if the same honors course is not offered at the receiving school.

Home school, private school, or out-of-state non-public charter school students shall have the opportunity to provide evidence of work to be considered for honors weighting when transferring to a public school. The district shall have the right to evaluate evidence provided by the parent or student before transcribing the course(s)

at honors weight. The receiving school may use the SC Honors Framework criteria to evaluate such evidence. The receiving school makes the final decision on whether to award the honors weighting.

END-OF-COURSE EXAMINATION PROGRAM (EOCEP) COURSES

The End-of-Course Examination Program (EOCEP) is a statewide assessment program of end-of-course tests for gateway courses awarded units of credit in English language arts, mathematics, science, and social studies. The State of South Carolina mandates an end-of-course examination after completion of Algebra 1/Intermediate Algebra, Biology 1, English 2, and U. S. History and Constitution. EOCEP examination scores count 20 percent in the calculation of the student's final grade in gateway courses.

Students will be allowed to take the examination only once, at the end of the regular course duration and not at the end of an extended period granted through the credit recovery option.

Students who repeat a course requiring a state end-of-course exam must be treated as though they are taking the course for the first time and all requirements will apply, including the requirement to take the end-of-course exam.

RICHLAND ONE SECONDARY VIRTUAL SCHOOL PROGRAM

The Richland One Secondary Virtual School Program is a year-long program for students in grades 6-12. Students must be enrolled in their zoned/assigned district school. Students already enrolled in the program will have the option to remain in the program if they have demonstrated academic success in the previous school year (with grades of C or better in all courses) or exit the program and return back to their zone/assigned district school. The program accepts students based on available slots.

Students are required to report, in person, for a minimum of two hours weekly to receive face-to-face instruction/support. Additional hours (up to 10 hours) per week may be required, if deemed necessary, by the instructor or program coordinator.

The program follows the district's school year calendar. Teacher workdays/student holidays are followed according to the district's annual calendar.

Students are able to participate in afterschool extracurricular activities/sports at their homeschool if they meet program eligibility requirements.

Student grading is in accordance to district grading procedures and the SC State Uniform Grading Policy.

Assessments, as required by the state and/or district, must administered, and students are required to report in person. If assessments require in-person attendance, parents are be notified of specific times for students to come in for assessment administration, and all safety protocols are followed.

Students are required to login to each class daily and work on class assignments for the time allowed for face-to-face classes to meet attendance requirements. Example: If a class meets 45 minutes, the student must work on assignments in that class up to 45 minutes. If a class meets 90 minutes, the student must work on assignments up to 90 minutes.

Transportation is not provided for the Richland One Secondary Virtual Program.

VIRTUALSC

VirtualSC is a free state-sponsored online program serving students currently attending public, private and home schools in grades 7-12 and Adult Education Programs. VirtualSC offers rigorous online courses aligned to state standards that are developed and taught by highly qualified, SC licensed teachers. VirtualSC partners with schools to provide an individualized online learning solution for students on the path to high school graduation. Students should contact their school counselor for an information packet and then visit https://virtualsc.org/.

REPORT CARDS

Students receive report cards following the close of each nine weeks grading period. Final reports are mailed after the close of school.

All students receive interim reports midway through each reporting period. Parents are encouraged to contact the school to schedule a conference when interim reports indicate that students are experiencing academic difficulties.

A student's final grade in a course is the numerical average of the four nine-week grades. The numerical average is converted to the letter grade. Report cards will be issued in accordance with the annual district calendar. Contact the school for further information.

PARENTAL INVOLVEMENT

Parental involvement is essential for the continued success of students. Parents are urged to participate in activities and maintain close communication with the school. Parents are encouraged to call the counselor to schedule an individual conference to discuss course selections. Research suggests that when parents are involved, students are more successful.

ACCEPTABLE USE POLICY

Richland School District One is pleased to be able to offer internet access for students. Our goal for offering these resources is to enhance the educational experience of our students by granting them access to worldwide information in text and media form. If properly used, learning will be stimulated.

Students are expected to abide by the accepted rules of network etiquette.

Etiquette rules include, but are not limited to the following:

- Students must be polite and not use abusive language to others.
- Swearing, use of vulgarity or inappropriate language is not allowed.
- The network must not be used in any manner that would cause disruption of the use of the network by others.

PENALTIES FOR IMPROPER USE

Students who violate the terms of the Acceptable Use Policy or otherwise misuse the technology resources provided will be subjected to disciplinary action for a Level 2 Offense as outlined in Section IV-I.

CURRICULUM FRAMEWORK

South Carolina high school students face many challenges, which include higher education standards, increasing college

entrance requirements, and growing workforce demands. For students to be successful, high schools must provide a curriculum that is challenging and relevant. They must also offer a sequence of courses to assist students in becoming passionate, life-long learners.

A framework for curriculum planning aids students and their parents in this process. An effective curriculum framework must have high standards and expectations for all students, a rigorous curriculum that prepares them for postsecondary education and engaging instructional strategies designed to help students learn important concepts and ideas in depth. The curriculum framework used by Richland County School District One includes a rigorous curriculum design and a requirement that each student develop a challenging Individual Graduation Plan. Working with parents, school counselors and teachers, students develop plans that include academic as well as profession-related courses. An IGP should identify extended learning opportunities that are designed to prepare students for transition to postsecondary education and the workplace.

Richland County School District One strives to provide a comprehensive curriculum to address the individual needs of all students. The framework design allows for an integrated, multidimensional approach to planning that helps students become successful learners for high school and beyond. The framework provides a structure for planning and communicating high expectations. See Appendix E for the Richland County School District One Curriculum Framework.

FRAMEWORK DESIGN

A comprehensive curriculum framework includes the following elements:

- Clusters of study
- Majors for each cluster of study
- IGP Success Planner
- Template for cluster and major

CLUSTERS

A cluster of study is a means of organizing instruction and student experiences around broad categories that encompass virtually all occupations from entry level through professional levels. Clusters of study provide a way to organize and tailor coursework and learning experiences around areas of interests. Clusters of study are designed to provide a seamless transition from high school study to postsecondary study and/or the workforce. The United States Department of Education (USED) has developed 16 national clusters of study as a means of organizing the curriculum. The Secondary Curriculum Framework for Richland School District One is designed around many of these 16 clusters.

Agriculture, Food and Natural Resources
This diverse career cluster prepares learners for careers in the planning, implementation, production, management, processing, and/or marketing of agricultural commodities and services, including food, fiber, wood products, natural resources, horticulture, and other plants.

Architecture and Construction
This career cluster prepares learners for careers in designing, planning, managing, building and maintaining the built environment. People employed in this cluster work on new structures, restorations, additions, alterations, and repairs.

Arts, Audio-Video Technology & Communication
This career cluster offers two different avenues of concentration. Careers in the performing arts, visual arts, or certain aspects of journalism prepare students for a broad range of creative careers including performance and beyond. Broadcasting and film require courses and activities that challenge students' creative and technological talents. Careers in audio or video, communications technology, telecommunications, or printing technology require strong backgrounds in computer and electronic-based technology and a solid foundation in math and science, as well as creative thinking skills.

Business, Management and Administration
The Business, Management and Administration Career Cluster prepares learners for careers in planning, organizing, directing and evaluating business functions essential to efficient and productive business operations. Career opportunities are available in every sector of the economy and require specific skills in organization, time management, customer service and communication.

Education and Training
This diverse career cluster prepares learners for careers in planning, managing and providing education and training services, as well as related learning support services. Millions of learners each year train for careers in education and training in a variety of settings that offer academic instruction, vocational and technical instruction, and other education and training services.

Finance
This career cluster prepares learners for careers in financial and investment planning, banking, insurance and business financial management. Career opportunities are available in every sector of the economy and require specific skills in organization, time management, customer service and communication.

Government and Public Administration
This career cluster prepares learners in governmental functions to include governance; national security; foreign service; planning; revenue and taxation; regulation; and management and administration at the local, state, and federal levels.

Health Sciences
This career cluster prepares learners for careers in planning, managing, and providing therapeutic services, diagnostic services, health informatics, support services, and biotechnology research.

Hospitality and Tourism
The Hospitality and Tourism Career Cluster prepares learners for careers in the management, marketing and operations of restaurants and other food services, lodging, attractions, recreation events and travel-related services. Hospitality operations are located in communities throughout the world.

Human Services/Family & Consumer Sciences
This diverse career cluster prepares individuals for employment in career majors related to families and human needs.

Information Technology
Information Technology Career Clusters are divided into different majors: Computer Science, Networking Systems, and Web and Digital Communications. Each of these majors offers exciting and challenging career opportunities.

Law, Public Safety, Corrections, and Security

The Law, Public Safety and Security Career Cluster helps prepare learners for careers in planning, managing, and providing legal, public safety, protective services and homeland security, including professional and technical support services.

Manufacturing
This career cluster prepares learners for careers in planning, managing, and performing the processing of materials.

Marketing
This diverse career cluster prepares learners for careers in planning, managing, and performing marketing service activities to reach organizational objectives.

Science, Technology, Engineering & Mathematics
A career in the Science, Technology, Engineering or Mathematics cluster is exciting, challenging, and ever-changing. Learners who pursue one of these career fields will be involved in planning, managing, and providing scientific research and professional and technical services including laboratory and testing services, and research and development services.

Transportation, Distribution and Logistic
This career cluster exposes learners to careers and businesses involved in the planning, management, and movement of people, materials, and goods by road, air, rail and water. It also includes related professional and technical support services such as infrastructure planning and management, logistics services and the maintenance of mobile equipment and facilities.

Majors

Richland One offers several majors within the 16 clusters of study. A major consists of the completion of at least three required units of study in that area. It is recommended that students take at least one course at the highest level offered. A major is designed to enable students to focus on an area of interest that motivates them to stay in school, to be better prepared for postsecondary choices and/or the workplace, and to make a smooth transition to postsecondary education and/or the workplace.

Choosing a cluster of study and a major requires a student to assess interests and skills, then select coursework to achieve his or her academic goals while exploring a professional goal. In the spring of eighth grade, during an individual planning conference with a school counselor, the student and his/her parent(s), select at least one of the 16 clusters to explore, the goal being to select a major by the end of 10th grade.

Students are never locked into a specific cluster or major. Students can change majors if their professional interests change. They can use the curriculum framework, with clusters of study and majors, and career assessment information in making these decisions. A completed major is not a requirement for graduation.

Majors in Each Cluster

Richland County School District One follows a curriculum that is aligned with the state content standards and organized around a key cluster and major system that provides students with both strong academics and real-world problem solving skills. Students are provided individualized educational, academic, and career-oriented choices and greater exposure to career information and opportunities.

Many of the clusters and majors are offered in conjunction with Heyward Career Center. Not all clusters and majors are offered at each school. Guidance counselors in each school can be contacted for additional information.

Agriculture, Food, and Natural Resources
- Agriculture Mechanics Technology
- Horticulture
- Plant and Animal Systems

Architecture and Construction
- Building Construction Cluster

Arts, Audio-Video Technology, and Communication
- Architectural/Mechanical Design
- Media Technology
- Visual Arts
- Performing Arts
- Journalism and Broadcasting
- World Languages
- International Baccalaureate
- Advanced Placement
- English
- History

Business, Management, and Administration
- Administrative Services
- Business Information Management
- General Management
- Human Resources Management
- Operations Management

Education and Training
- Early Childhood Education
- Teaching and Training

Finance
- Academy of Finance
- Accounting
- Banking Services
- Business Finance

Government and Public Administration
- Governance

Health Science
- PLTW Biomedical Sciences
- Health Science
- Sports Medicine
- Public Health

Hospitality and Tourism
- Culinary Arts Management
- Hospitality and Tourism Management

Human Services/Family and Consumer Sciences
- Barber/Master Hair Care
- Cosmetology
- Family and Consumer Sciences

Information Technology
- PLTW Computer Science
- Networking Systems
- Web and Digital Communications

Law, Public Safety, Corrections, and Security
- Emergency and Fire Management Services

- Law and Legal Services

Manufacturing Production
- Mechatronics Integrated Technologies
- Welding Technology

Marketing
- Marketing Communications

Science, Technology, Engineering, and Mathematics
- Clean Energy
- Food Science
- PLTW Pre-Engineering
- Science
- Mathematics

Transportation, Distribution, and Logistics
- Automotive Technology
- Commercial Driver's License
- Diesel Engine Technology

See Appendices D, E, and F for specific descriptions of clusters of study, majors, and course requirements.

IGP SUCCESS PLANNER

An IGP Success Planner 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.

The purpose of the IGP Success Planner is to assist students and their parents in exploring educational and professional possibilities and in making appropriate secondary and postsecondary decisions. The IGP Success Planner is part of the career planner. It builds on the coursework, assessments and counseling in the middle and high school. The IGP Success Planner is not intended to reflect all aspects of the high school experience.

Developing the IGP Success Planner
School counselors begin working with students regarding interests, Clusters of Study, 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 vital. See Appendix C for a copy of the IGP planning worksheet.

Sixth Grade
- Students complete a career interest inventory.
- Students participate in career exploration activities.
- Students utilize the South Carolina Career Information System (SCOIS) a free accurate and up-to-date educational and career information system available to S.C. schools and other sites for exploration.

Seventh Grade
- Students continue career exploration activities.
- Students have the opportunity to participate in shadowing.
- Students utilize the South Carolina Career Information System (SCOIS) a free accurate and up-to-date educational and career information system available to S.C. schools and other sites for exploration.

Eighth Grade
- Students choose a cluster of study they would like to explore
- Working with parents, counselors and teachers students begin developing an IGP Success Planner to include academic as well as profession-related courses.
- Students have the opportunity to participate in shadowing.
- Students utilize the South Carolina Career Information System (SCOIS) a free accurate and up-to-date educational and career information system available to S.C. schools and other sites for exploration.

Ninth Grade
- Students explore the selected career cluster.
- Students have the opportunity to participate in career shadowing.
- Students review and update their IGP Success Planner developed in the eighth grade.
- Students begin to explore postsecondary opportunities.
- Students utilize the South Carolina Career Information System (SCOIS) a free accurate and up-to-date educational and career information system available to S.C. schools and other sites for exploration.

Tenth Grade
- Students declare a major by the end of the tenth grade.
- Students have the opportunity to participate in extended learning opportunities.
- Students review and update their IGP Success Planner.
- Students utilize the South Carolina Career Information System (SCOIS) a free accurate and up-to-date educational and career information system available to S.C. schools and other sites for exploration.

Eleventh Grade
- Students review and update their IGP Success Planner with particular attention being given to postsecondary goals.
- Students have the opportunity to participate in extended learning opportunities.
- During the third year of high school, students take the state-required ready-to-work assessment.
- Students utilize the South Carolina Career Information System (SCOIS) a free accurate and up-to-date educational and career information system available to S.C. schools and other sites for exploration.

Twelfth Grade
- Students complete requirements for a major.
- Students have the opportunity to participate in extended learning opportunities.
- Students utilize the South Carolina Career Information System (SCOIS) a free accurate and up-to-date educational and career information system available to S.C. schools and other sites for exploration.

COURSE NUMBERS AND TAGS

Each course has a course number (e.g., 20996700). Courses awarding high school credit have a course number and a course tag (e.g., 362101CW) to indicate the level and weight of the course. Teachers/principal recommendation is required for enrollment in courses that award high school credit. Use the following legend to guide you as you make your course selections if you are taking a course for high school credit:

CW – College Prep Whole Unit
CH – College Prep Half Unit
HW – Honors Whole Unit
HH – Honors Half Unit

COURSE DESCRIPTIONS

ENGLISH LANGUAGE ARTS

6th Grade English Language Arts
Grade: 6
10016000
Prerequisite: None
This year-long course is aligned to the sixth grade South Carolina College-and Career-Ready Standards for English Language Arts. The course is designed to develop students' analytical skills through learning opportunities which require students to inquire, read, write, and communicate in meaningful, relevant ways for a variety of purposes.

6th Grade English Language Arts Accelerated
Grade: 6
10016100
Prerequisite: District eligibility criteria
This year-long course is aligned to the sixth grade South Carolina College-and Career-Ready Standards for English Language Arts. The course is designed to develop and foster students' analytical skills through learning opportunities which require students to inquire, read, write, and communicate in meaningful, relevant ways for a variety of purposes. Students will apply skills and strategies to navigate, analyze, and synthesize more challenging and diverse texts.

6th Grade English Language Arts Gifted (GT)
Grade: 6
10016200
Prerequisite: State eligibility criteria
This year-long course is aligned to the seventh grade South Carolina College-and Career-Ready Standards for English Language Arts. The course is designed to challenge and deepen students' analytical skills through learning opportunities which require students to inquire, read, write, and communicate in meaningful, relevant ways for a variety of purposes. Instruction is based on assessment of students' needs, and differentiation is implemented to ensure appropriate instruction is delivered to meet the needs of gifted learners.

English Language Arts
Grade: 7
20017000
Prerequisite: None
This year-long course is aligned to the seventh grade South Carolina College-and Career-Ready Standards for English Language Arts. The course is designed to deepen students' analytical and critical thinking skills through learning opportunities which require students to inquire, read, write, and communicate in meaningful, relevant ways for a variety of purposes.

English Language Arts Accelerated
Grade: 7
20017100
Prerequisite: District eligibility criteria
This year-long course is aligned to the seventh grade South Carolina College-and Career-Ready Standards for English Language Arts. The course is designed to deepen and foster students' analytical and critical thinking skills through learning opportunities which require students to inquire, read, write, and communicate in meaningful, relevant ways for a variety of purposes. Students will apply skills and strategies to navigate, analyze, and synthesize more challenging and diverse texts.

English Language Arts Gifted (GT)
Grade: 7
20017200
Prerequisite: State eligibility criteria and 6th Grade English Language Arts Gifted
This year-long course is aligned to the eighth grade South Carolina College-and Career-Ready Standards for English Language Arts. The course is designed to challenge and extend students' analytical and critical thinking skills through learning opportunities which require students to inquire, read, write, and communicate in meaningful, relevant ways for a variety of purposes. Instruction is based on assessment of students' needs, and differentiation is implemented to ensure appropriate instruction is delivered to meet the needs of gifted learners. This course is a prerequisite for English 1 Honors in the 8th grade.

English Language Arts
Grade: 8
20018000
Prerequisite: None
This year-long course is aligned to the eighth grade South Carolina College-and Career-Ready Standards for English Language Arts. The course is designed to further develop and extend students' analytical skills through learning opportunities which require students to inquire, read, write, and communicate in meaningful, relevant ways for a variety of purposes.

English Language Arts Accelerated
Grade: 8
20018100
Prerequisite: District eligibility criteria
This year-long course is aligned to the eighth grade South Carolina College-and Career-Ready Standards for English Language Arts 2015.The course is designed to further develop, extend, and foster students' analytical skills through learning opportunities which require students to inquire, read, write, and communicate in meaningful, relevant ways for a variety of purposes. Students will apply skills and strategies to navigate,

analyze, and synthesize more challenging and diverse texts. This course is a prerequisite for English 1 Honors.

Student Support Reading
Grade: 6
10266300
Prerequisite: Performance 2 levels below grade level
This one-semester reading lab is designed for students whose total reading score on norm or criterion referenced testing is two grade levels below. Mastery learning, diagnostic/prescriptive components, directed teaching, use of technology, and collaborative group work are strategies used to support success. The labs are organized and equipped to allow for small and large group instruction, one-on-one tutoring, and peer tutoring. Instruction emphasizes reading comprehension, vocabulary and improved reading skills. The treatment of topics is varied from the regular classroom. Objectives for instruction are based on the South Carolina Academic Standards.

Student Support Reading
Grade: 7
20267300
Prerequisite: Performance 2 levels below grade level
This one-semester reading lab is designed for students whose total reading score on norm or criterion referenced testing is two grade levels below. Mastery learning, diagnostic/ prescriptive components, directed teaching, use of technology, and collaborative group work are strategies used to support success. These labs are organized and equipped to allow for small and large group instruction, one-on-one tutoring, and peer tutoring. Instruction emphasizes reading comprehension, vocabulary, and improved reading skills. The treatment of topics is varied from the regular classroom. Objective for instruction are delivered from the core curriculum and the South Carolina Academic Standards

Student Support Reading
Grade: 8
20268300
Prerequisite: Performance 2 levels below grade level
This one-semester reading lab is designed for students whose total reading and writing score on norm or criterion references testing is two grade levels below. Mastery learning, diagnostic/prescriptive, directed teaching, use of technology, and collaborative group work are the strategies used. The labs are organized and equipped to allow for small and large group instruction, one-on-one tutoring, and peer tutoring. Instruction emphasizes reading comprehension, vocabulary, and improved reading skills. The treatment of topics is varied from the regular classroom. Objectives for instruction are based on the South Carolina Academic Standards.

ENGLISH LANGUAGE ARTS ELECTIVES

Reading Lab- Level 1
Grades: 6-8
17994100 (Grade 6)
27994100 (Grade 7)
27994200 (Grade 8)
Prerequisite: Teacher recommendation based on district criteria for placement.
Placement must be based on District Protocol for the Use of Secondary English Language Arts Interventions. This year-long reading course will provide students with opportunities to improve their skills as effective readers. Components include interactive computer-assisted instruction, small group instruction, and independent reading (System44/READ 180 blended model). The same course code should be used if semester-long placement in the course is appropriate based on student needs and performance.

Reading Lab- Level 2
Grades: 7-8
27993100 (Grade 7)
27993200 (Grade 8)
Prerequisite: Teacher recommendation based on district criteria for placement and completion of Reading Lab Level 1
This year-long reading course will build upon the skills acquired in Reading Label- Level 1 to further improve students' skills as effective readers. Components include interactive computer-assisted instruction, small group instruction, and independent reading (System44/READ 180 blended model). The same course code should be used if semester-long placement is appropriate based on student needs and performance.

Special Services ELA Grades 6 – 8
Prerequisite: None
1900 – 2914
The purpose of this course is to assist students in developing skills for application to practical real world experiences. *School based staff should reference the Office of Special Services Master Course Catalog Supplement to identify the appropriate course codes.*

SPECIAL AREAS MIDDLE SCHOOL

Multilingual Learner Program 1
Grade 6: 10840600
Grade 7: 20840700
Grade 8: 20840800
Prerequisite: Identified Multilingual learners (MLs) with WIDA composite score below 2.9 and/or MLP teacher recommendation
MLP 1 is the primary course for scheduled MLP instruction in all middle level grades. This course is designed to support English language development for Newcomer MLs at beginner proficiency levels in all middle level grades to succeed in core subject areas and develop communication skills towards exiting MLP services and successfully completing middle school. Emphasis is placed on context-related literacy, language rich environments, and the four language domains-listening, reading, writing, and speaking. All MLP support classes are aligned to the WIDA standards.

Multilingual Learner Program 2
Grade 6: 10800600
Grade 7: 20800700
Grade 8: 20800800
Prerequisite: Identified Multilingual learners (MLs) with MLP teacher recommendation
MLP 2 is designed for MLP programs which schedule Newcomer MLs in both elective blocks (two MLP electives); in these programs MLP 1 serves Newcomer MLs only and this course supports English language development for MLs at any proficiency level in all middle level grades for success in core subject areas and to develop communication skills towards exiting MLP services and successfully completing middle school. Emphasis is placed on context-related literacy, language rich environments, and the four language domains listening, reading, writing, and speaking. All MLP support classes are aligned to the WIDA standards.

Multilingual Learner Program Literacy
Grade 6: 10850600
Grade 7: 20850700
Grade 8: 20850800
Prerequisite: Identified Multilingual learners (MLs) with WIDA composite score above 2.8 and/or MLP teacher recommendation

This course is designed to support English language development for multilingual learners (MLs) at high/intermediate proficiency levels in all middle level grades to succeed in core subject areas and develop communication skills towards exiting MLP services and successfully completing middle school. Emphasis is placed on context-related literacy, language rich environments, and the four language domains- listening, reading, writing, and speaking. All MLP support classes are aligned to the WIDA standards.

MATHEMATICS

Mathematics 6
Grade: 6
11106000
Prerequisite: None
This one-year integrated mathematics course focuses on four critical areas: (1) connecting ratio and rate to whole number multiplication and division and using concepts of ratio and rate to solve problems; (2) understanding division of fractions and extending the notion of numbers to the system of rational numbers, which includes negative numbers; (3) writing, interpreting, and using expressions and equations; and (4) developing understanding of statistical thinking. Problem solving and applications to real-life situations are infused throughout the curriculum. The use of manipulatives and technology is emphasized throughout the course.

Mathematics 6 Accelerated
Grade: 6
11106100
Prerequisite: District eligibility criteria
This one-year integrated mathematics course differs from the non-accelerated 6th grade course in that it contains content from the 7th grade SC state math standards. While coherence is retained, in that it logically builds from 6th grade, the additional content when compared to the non-accelerated course demands a faster pace for instruction and learning. Content is organized into four critical areas: (1) connecting ratio and rate to whole number multiplication and division, using concepts of ratio and rate to solve problems, and developing understanding of and applying proportional relationships; (2) completing understanding of division of fractions and extending the notion of number to the system of rational numbers, which includes negative numbers, and developing understanding of operations with rational numbers; (3) writing, interpreting, and using expressions and equations to include linear equations; and (4) developing understanding of statistical thinking. Problem solving and applications to real-life situations are infused throughout the curriculum. The use of manipulatives and technology is emphasized throughout the course.

Mathematics 6 Gifted/Advanced
Grade: 6
11106800
Prerequisite: State eligibility criteria
This one-year integrated mathematics course differs from the non-accelerated 6th grade course in that it contains content from the 7th and 8th grade SC state math standards. While coherence is retained, in that it logically builds from 6th grade, the additional content when compared to the non-accelerated course demands a faster pace for instruction and learning. Content is organized into four critical areas: (1) connecting ratio and rate to whole number multiplication and division, using concepts of ratio and rate to solve problems, and developing understanding of and applying proportional relationships; (2) completing understanding of division of fractions and extending the notion of number to the system of rational numbers, which includes negative numbers, and developing understanding of operations with rational numbers; (3) writing, interpreting, and using expressions and equations to include linear equations; and (4) developing understanding of statistical thinking. Problem solving and applications to real-life situations are infused throughout the curriculum. The use of manipulatives and technology is emphasized throughout the course.

Mathematics 7
Grade: 7
21107000
Prerequisite: 6th Grade Mathematics
This one-year integrated mathematics course focuses on four critical areas: (1) developing understanding of and applying proportional relationships; (2) developing understanding of operations with rational numbers and working with expressions and linear equations; (3) solving problems involving scale drawings and informal geometric constructions, and working with two- and three-dimensional shapes to solve problems involving area, surface area, and volume; and (4) drawing inferences about populations based on samples. Problem solving and applications to real-life situations are infused throughout the curriculum. The use of manipulatives and technology is emphasized throughout the course.

Mathematics 7 Accelerated
Grade: 7
21107100
Prerequisite: District eligibility criteria and Mathematics 6 Accelerated Course
This one-year integrated mathematics course differs from the non- accelerated 7th grade course in that it contains content from the 8th grade SC state math standards. While coherence is retained, in that it logically builds from 7th grade, the additional content when compared to the non-accelerated course demands a faster pace for instruction and learning. Content is organized into three critical areas: (1) formulating and reasoning about expression and equations, including modeling an association in bivariate data with a linear equation, and solving linear equations and systems of linear equations; (2) grasping the concept of a function and using functions to describe quantitative relationships (3) analyzing two-and three- dimensional space and figures using distance, angle, similarity, and congruence, and understanding and applying the Pythagorean Theorem. Problem solving and applications to real-life situations are infused throughout the curriculum. The use of manipulatives and technology is emphasized throughout the course.

Mathematics 8
Grade: 8
21108000
Prerequisite: 7th Grade Mathematics
This one-year integrated mathematics course focuses on three critical areas: (1) formulating and reasoning about expressions and equations, including modeling an association in bivariate data with a linear equation, and solving linear equations and systems of linear equations; (2) grasping the concept of a function and using functions to describe quantitative relationships; (3) analyzing two- and three-dimensional space and figures using distance, angle, similarity, and congruence, and understanding and applying the Pythagorean Theorem. Problem solving and applications to real-life situations are infused throughout the curriculum. The use of manipulatives and technology are emphasized throughout the course.

MATHEMATICS ELECTIVES

SAT Mathematics
Grade: 8
27998900
Prerequisite: Qualification under DUKE Talent Identification Program (TIP) program
This one-semester SAT Mathematics course prepares students who anticipate taking the Scholastics Assessment Test by training them in test-taking skills appropriate for the

SAT as well as refreshing students' understanding of major mathematical concepts in arithmetic, algebra, geometry, and general problem solving. Upon completion of this course, students should have a clearer understanding of the construction of the SAT and their appropriate response to it. In addition, students should have refined the mathematical skills necessary to be successful on the SAT. To accomplish these goals, a variety of teaching strategies will be used, including cooperative learning groups, brainstorming and computer-assisted instruction.

Power Math
Grade 6: 11056500
Grade 7: 21057500
Grade 8: 21058500
Prerequisite: None
This one-semester mathematics course provides the opportunity to receive additional instruction in basic math skills. Concepts and procedures are emphasized through drill and practice, as well as real-life applications.

Mathematics Practice Lab
Grade 6: 11016300
Grade 7: 21017300
Grade 8: 21018300
Prerequisite: District/State eligibility criteria
This one-semester mathematics lab is designed for students who need academic assistance in mathematics. Mastery learning, diagnostic/prescriptive components, directed teaching, as well as technology, manipulatives, and collaborative groups will be used. The labs are organized and equipped to allow for small and large group instruction, one-on-one tutoring, and peer tutoring. Instruction emphasizes computation, concept and process development, and problem solving. The treatment of topics will be different from the regular classroom presentation.

Special Services Mathematics Grades 6 – 8
Prerequisite: None
1900 – 2914
The purpose of this course is to assist students in developing skills for application to practical real world experiences. School based staff should reference the Office of Special Services Master Course Catalog Supplement to identify the appropriate course codes.

SCIENCE

Science 6
Grade: 6
12016000
Prerequisite: None
This course is a blended integration of Earth and space science, life science, and physical science. Instruction is phenomenon based using the science and engineering practices and crosscutting concepts. The disciplinary core ideas addressed include physical science, life science, and Earth and space science. Topics covered under the core ideas include: structure and properties of matter, defining energy, energy conservation, properties of waves, electromagnetic radiation, structure and function of organisms, weather and climate, water's role in shaping the Earth, the history of planet Earth, the cycling Earth's of materials, forces that have shaped the Earth, and patterns of natural hazards. The intent of the Earth and space science topics is to identify the relationships of the various influences that have shaped the Earth over time in the hope of mitigating the impact of the hazards. The scientific and academic skills gained in this course will be critical as students transition into high school laboratory courses required for a South Carolina diploma. Students will have the opportunity to complete a STEM project and compete at the local, regional, or national level.

Science 6 Accelerated
Grade: 6
12016100
Prerequisite: District eligibility criteria to include participation in accelerated or honors math and ELA courses.
This course is a blended integration of Earth and space science, life science, and physical science. Instruction is phenomenon based using the science and engineering practices and crosscutting concepts. The disciplinary core ideas addressed include physical science, life science, and Earth and space science. Topics covered under the core ideas include: structure and properties of matter, defining energy, energy conservation, properties of waves, electromagnetic radiation, structure and function of organisms, weather and climate, water's role in shaping the Earth, the history of planet Earth, the cycling Earth's of materials, forces that have shaped the Earth, and patterns of natural hazards. The intent of the Earth and space science topics is to identify the relationships of the various influences that have shaped the Earth over time in the hope of mitigating the impact of the hazards. The scientific and academic skills gained in this course will be critical as students transition into high school laboratory courses required for a South Carolina diploma. Students are expected to complete a STEM project and compete at the local, regional, or national level.

Science 7
Grade: 7
22217000
Prerequisite: None
This course is a blended integration of Earth and space science, life science, and physical science. Instruction is phenomenon based using the science and engineering practices and crosscutting concepts. The disciplinary core ideas addressed include physical science, life science, and Earth and space science. Topics covered under the core ideas include: the structure and properties of matter; chemical reactions; energy types; energy conservation; energy transfer; chemical processes in everyday life; organization of matter and energy flow in organisms; relationships within ecosystems, matter, and energy transfer in an ecosystem; the dynamics, functioning, and resilience of an ecosystem; the impacts of ecosystem changes on humans; natural resources, the impacts humans have on the Earth; and global climate change. The scientific and academic skills gained in this course will be critical as students transition into high school laboratory courses required for a South Carolina diploma. Students will have the opportunity to complete a STEM project and compete at the local, regional, or national level.

Science 7 Accelerated
Grade: 7
22217100
Prerequisite: District eligibility criteria and Science 6 Accelerated Course
This course is a blended integration of Earth and space science, life science, and physical science. Instruction is phenomenon based using the science and engineering practices and crosscutting concepts. The disciplinary core ideas addressed include physical science, life science, and Earth and space science. Topics covered under the core ideas include: the structure and properties of matter; chemical reactions; energy types; energy conservation; energy transfer; chemical processes in everyday life; organization of matter and energy flow in organisms; relationships within ecosystems, matter, and energy transfer in an ecosystem; the dynamics, functioning, and resilience of an ecosystem; the impacts of ecosystem changes on humans; natural resources, the impacts humans have on the Earth; and global climate change. The scientific and academic skills gained in this course will be critical as students transition into high school laboratory courses required for a South Carolina diploma. Students are expected to complete a STEM project and compete at the local, regional, or national level.

Science 8
Grade: 8
22518000
Prerequisite: None
This course is a blended integration of Earth and space science, life science, and physical science. Instruction will be phenomenon based using the science and engineering practices and crosscutting concepts. The disciplinary core ideas addressed include physical science, life science, and Earth and space science. Topics covered under the core ideas include: various types of and interactions of forces, the properties of waves, the use of information technologies and instruments to transmit information, growth and development of organisms, inheritance and variation of traits in organisms, evidence of common ancestry of organisms, diversity of organisms, adaptations of organisms, natural selection, and the makeup of the Universe and our Solar System. The scientific and academic skills gained in this course will be critical as students transition into high school laboratory courses required for a South Carolina diploma. Students will have the opportunity to complete a STEM project and compete at the local, regional, or national level.

Science 8 Accelerated
Grade: 8
22518100
Prerequisite: District eligibility criteria and Science 7 Accelerated Course
This course is a blended integration of Earth and space science, life science, and physical science. Instruction will be

phenomenon based using the science and engineering practices and crosscutting concepts. The disciplinary core ideas addressed include physical science, life science, and Earth and space science. Topics covered under the core ideas include: various types of and interactions of forces, the properties of waves, the use of information technologies and instruments to transmit information, growth and development of organisms, inheritance and variation of traits in organisms, evidence of common ancestry of organisms, diversity of organisms, adaptations of organisms, natural selection, and the makeup of the Universe and our Solar System. The scientific and academic skills gained in this course will be critical as students transition into high school laboratory courses required for a South Carolina diploma. Students will are expected to complete a STEM project and compete at the local, regional, or national level.

Special Services Science Grade 6 – 8
Prerequisite: None
1900 – 2914
The purpose of this course is to assist students in developing skills for application to practical real world experiences. *School based staff should reference the Office of Special Services Master Course Catalog Supplement to identify the appropriate course codes.*

SOCIAL STUDIES

Social Studies 6: World Civilizations
Grade: 6
13016200
Prerequisite: None
This year-long course is aligned to the sixth grade South Carolina College-and Career-Ready Standards for Social Studies. Students will study World Civilizations to uncover trends from prehistory to present day. Students will learn what defines civilizations and how geography played a factor in the exchanges, expansion, and formation among and between them. Students will inquire about the various social hierarchies of world civilizations and the changes and continuities of social systems. Students will learn about ancient and classical civilizations and explore their enduring cultural, intellectual, and technological influences. Students will learn about how increased global interactions led to transformations among and between world civilizations. Students will inquire into the development of world civilizations past and present and the connections between Africa, the Americas, Asia, and Europe. Students will continue to explore how these global interactions and exchanges led to cultural, intellectual, and technological advances that have continued to increase societies' global interconnectedness with one another. Instruction should utilize the historical thinking skills and themes developed for grade six.

Social Studies 6: World Civilizations Accelerated
Grade: 6
13016300
Prerequisite: District eligibility criteria
This accelerated World Civilizations course is designed to accelerate and enrich the core curriculum by differentiating the content, process, pace and work completed by the student. Students will use higher level thinking skills by contextualizing primary and secondary and learn course work at a rigorous pace. Students will study World Civilizations to uncover trends from prehistory to present day. Students will learn what defines civilizations and how geography played a factor in the exchanges, expansion, and formation among and between them. Students will inquire about the various social hierarchies of world civilizations and the changes and continuities of social systems. Students will learn about ancient and classical civilizations and explore their enduring cultural, intellectual, and technological influences. Students will learn about how increased global interactions led to transformations among and between world civilizations. Students will inquire into the development of world civilizations past and present and the connections between Africa, the Americas, Asia, and Europe. Students will continue to explore how these global interactions and exchanges led to cultural, intellectual, and technological advances that have continued to increase societies' global interconnectedness with one another. Instruction should utilize the historical thinking skills and themes developed for grade six.

Social Studies 7: Geography of World Regions
Grade: 7
23107200
Prerequisite: None
This year-long course is aligned to the seventh grade South Carolina College-and Career-Ready Standards for Social Studies. Students will study Earth from a regional perspective, focusing on the continents. Students will study contemporary places and regions to identify how the experiences of people are rooted in places and organized into geographic regions. Students will learn about Earth's physical conditions and how these features interact with Earth's other living features. This course also focuses on human systems and the sum of human activities and characteristics that vary across the Earth's surface. These systems also include the spatial distribution of population and the movement, settlement patterns, economic systems, and political systems. Students will explore the interactions between environment and society to learn how human activities modify Earth, how resources are used, and how physical systems, such as climate, present risks to humans. These regional conditions, create the foundation for learning about connections to other peoples and places on Earth Instruction should utilize the geographical thinking skills and themes developed for grade seven.

Social Studies 7: Geography of World Regions Accelerated
Grade: 7
23107300
Prerequisite: District eligibility criteria and Social Studies 6 Accelerated Course
This accelerated Geography of World regions course is designed to accelerate and enrich the core curriculum by differentiating the content, process, pace and work completed by the student. Students will learn to think analytically as they use primary and secondary sources to compare and contrast events, discover cause and effect relationships by using evidence-based thinking and argumentation, questioning sources, and synthesizing multiple perspectives. Seventh-grade students will study Earth from a regional perspective, focusing on the continents. Students will study contemporary places and regions to identify how the experiences of people are rooted in places and organized into geographic regions. Students will learn about Earth's physical conditions and how these features interact with Earth's other living features. This course also focuses on human systems and the sum of human activities and characteristics that vary across the Earth's surface. These systems also include the spatial distribution of population and the movement, settlement patterns, economic systems, and political systems. Students will explore the interactions between environment and society to learn how human activities modify Earth, how resources are used, and how physical systems, such as climate, present risks to humans. These regional conditions create the foundation for learning about connections to other peoples and places on Earth.

Social Studies 8: South Carolina and United States History
Grade: 8
23208000
Prerequisite: None
This year-long course is aligned to the sixth grade South Carolina College- and Career-Ready Standards for Social Studies. Students will study the history of South Carolina, within context of United States history in grade eight. This study begins with South Carolina's colonial development and settlement as a British colony. South Carolinians played pivotal roles throughout the American Revolution and the Constitutional Convention, which established the foundations for the new nation. Sectional division came as a result of the growing institution of slavery, interpretations of the role of government, and expansion of the nation. South Carolina led the secession of Southern states, culminating in the Civil War. As the nation attempted to heal the wounds of the war, Reconstruction policies brought about political change while sectional division remained. The end of the 19th century ushered in industrialization to South Carolina and the nation, providing new opportunities for many people. Throughout the 20th century, South Carolina emerged as a national leader for

defense production, agriculture, and tourism. As the state grew economically, social change was also brought on by the Civil Rights Movement. During the turn of the 21st century, South Carolina continues to attract businesses and people, while continuing to find solutions to new challenges. Instruction should utilize the historical thinking skills and themes developed for grade eight.

Social Studies 8: South Carolina History Accelerated
Grade: 8
23208100
Prerequisite: District eligibility criteria and Social Studies 7 Accelerated Course
This accelerated South Carolina and the United States course is designed to accelerate and enrich the core curriculum by differentiating the content, process, pace and work completed by the student. Students will learn to think analytically as they use primary and secondary sources to compare and contrast events, discover cause and effect relationships by using evidence-based thinking and argumentation, questioning sources and synthesizing multiple perspectives. Students will study the history of South Carolina, within context of United States history in grade eight. This study begins with South Carolina's colonial development and settlement as a British colony. South Carolinians played pivotal roles throughout the American Revolution and the Constitutional Convention, which established the foundations for the new nation. Sectional division came as a result of the growing institution of slavery, interpretations of the role of government, and expansion of the nation. South Carolina led the secession of Southern states, culminating in the Civil War. As the nation attempted to heal the wounds of the war, Reconstruction policies brought about political change while sectional division remained. The end of the 19th century ushered in industrialization to South Carolina and the nation, providing new opportunities for many people. Throughout the 20th century, South Carolina emerged as a national leader for defense production, agriculture, and tourism. As the state grew economically, social change was also brought on by the Civil Rights Movement. During the turn of the 21st century, South Carolina continues to attract businesses and people, while continuing to find solutions to new challenges.

Middle School 101
Grade: 6
27990601
Prerequisite: None
The goal of Middle School 101 is to assist students with the development of skills necessary for academic, personal, and social success in middle school. While providing orientations activities related to the school and staff, this course offers opportunities for improving study skills, decision-making skills, and communication skills. Lessons include topics on school history, activities and programs, interpersonal relationships, conflict resolution skills, self-awareness.

Special Services Social Studies Grade 6 – 8
Prerequisite: None
1900 – 2914
The purpose of this course is to assist students in developing skills for application to practical real world experiences. School based staff should reference the Office of Special Services Master Course Catalog Supplement to identify the appropriate course codes.

WORLD LANGUAGE

French: Introduction (Crayton, Hopkins, Southeast)
Grade 6: 16100600
Grade 7: 26100700
Credits: None
Prerequisite: None
This course is an introductory level to French Language Learning. An eclectic approach to language learning will be used. As suggested within the South Carolina World Languages Framework and the South Carolina Standard for World Language Proficiency, this course integrates the three competencies for world language education: Interpretive Listening and Reading, Interpersonal Communication, and Presentational Speaking and Writing. Students will be engaged in activities that stimulate communication, promote critical thinking, and enhance their literacy skills as well as their global cultural awareness. ACTFL Proficiency scale (Novice-Low to Novice-Mid Range)

Latin: Introduction (Hand)
Grade 6: 16300600
Grade 7; 26300700
Credits: None
Prerequisite: None
This course is an introductory level to Latin Language Learning. An eclectic approach to language learning will be used. As suggested within the South Carolina World Languages Framework and the South Carolina Standard for World Language Proficiency, this course integrates the three competencies for world language education: Interpretive Listening and Reading, Interpersonal Communication, and Presentational Speaking and Writing. Students will be engaged in activities that stimulate communication, promote critical thinking, and enhance their literacy skills as well as their global cultural awareness. ACTFL Proficiency scale (Novice-Low to Novice-Mid Range)

Spanish: Introduction
Grade 6: 16500600
Grade 7: 26500700
Grade 8: 26500800 (Year)
Grade 8: 26501800 (Semester)
Credits: None
Prerequisite: None
This course is an introductory level to Spanish Language Learning. An eclectic approach to language learning will be used. As suggested within the South Carolina World Languages Framework and the South Carolina Standard for World Language Proficiency, this course integrates the three competencies for world language education: Interpretive Listening and Reading, Interpersonal Communication, and Presentational Speaking and Writing. Students will be engaged in activities that stimulate communication, promote critical thinking, and enhance their literacy skills as well as their global cultural awareness. ACTFL Proficiency scale (Novice-Low to Novice-Mid Range)

(Note: For French, Latin, and Spanish courses that can be taken in middle school for high school credit, please see the section containing high school courses for credit.)

HEALTH AND PHYSICAL EDUCATION

Health and Physical Education
Grade: 6
14406100 and 1401 (for health)
Prerequisite: None
This course lasts one semester and includes nine weeks of health education and nine weeks of physical education developed around the National and South Carolina Health Education Standards and Physical Education Standards. This course is designed to help students develop the knowledge, attitudes, and skills to promote wellness, maintain health, and prevent diseases. The National Health Education Standards have been adopted by South Carolina as the academic standards for health and safety education and provide a framework for the course. The eight national standards are taught on the basis of the six content areas included in the SC Health & Safety Education Curriculum Standards: Alcohol, Tobacco, and Other Drugs; Growth, Development, and Sexual Health and Responsibility; Injury Prevention and Safety; Mental, Emotional, and Social Health; Personal and Community Health; Physical Activity and Nutrition. Instruction includes activities that develop personal and life skills to promote the adoption of health- enhancing behaviors. Opportunities are provided for students to develop and demonstrate health-related knowledge, attitudes, and practices. Health education concepts and skills are introduced and continued with developmentally appropriate instruction and activities throughout the 6th, 7th, and 8th grade courses. Erin's Law is embedded within the curriculum. This course is designed so that students acquire the knowledge and skills to: (1) demonstrate competency in a variety of movement forms; (2) design and develop an appropriate physical fitness program to achieve a desired level of personal fitness; (3) participate regularly in health enhancing physical activity outside of physical education class; and (4) meet the gender and age group health-related physical fitness standards. Emphasis is placed on lifetime fitness and fundamental skills to improve the level of competence for future participating. The student should also acquire the knowledge, strategies and rules of the individual and team sports presented. Physical education concepts and skills are introduced and continued with developmentally appropriate instruction and varied activities throughout the 6th, 7th, and 8th grade courses. Safety, fair play and sportsmanship are also stressed in this course.

Health and Physical Education
Grade: 7
24600000
Prerequisite: None
This course lasts one semester and includes nine weeks of health education and nine weeks of physical education developed around the National and South Carolina Health Education Standards and Physical Education Standards. This course is designed to help students develop the knowledge, attitudes, and skills to promote wellness, maintain health, and prevent diseases. The National Health Education Standards have been adopted by South Carolina as the academic standards for health and safety education and provide a framework for the course. The eight national standards are taught on the basis of the six content areas included in the SC Health & Safety Education Curriculum Standards; Alcohol, Tobacco, and Other Drugs; Growth, Development, and Sexual Health and Responsibility; Injury Prevention and Safety; Mental, Emotional, and Social Health; Personal and Community Health; Physical Activity and Nutrition. Instruction includes activities that develop personal and life skills to promote the adoption of health- enhancing behaviors. Opportunities are provided for students to develop and demonstrate health-related knowledge, attitudes, and practices. Health education concepts and skills are introduced and continued with developmentally appropriate instruction and activities throughout the 6th, 7th, and 8th grade courses. Erin's Law is embedded within the curriculum. This course is designed so that students acquire the knowledge and skill to: (1) demonstrate competency in a variety of movement forms; (2) design and develop an appropriate physical fitness program to achieve a desired level of personal fitness; (3) participate regularly in health enhancing physical activity outside of physical education class; and (4) meet the gender and age group health-related physical fitness standards. Emphasis is placed on lifetime fitness and fundamental skills to improve the level of competence for future participating. The student should also acquire the knowledge, strategies and rules of the individual and team sports presented. Physical education concepts and skills are introduced and continued with developmentally appropriate instruction and varied activities throughout the 6th, 7th, and 8th grade courses. Safety, fair play and sportsmanship are also stressed in this course.

Health and Physical Education
Grade: 8
24601000
Prerequisite: None
This course lasts one semester and includes nine weeks of health education and nine weeks of physical education developed around the National and South Carolina Health Education Standards and Physical Education Standards. This course is designed to help students develop the knowledge, attitudes, and skills to promote wellness, maintain health, and prevent diseases. The National Health Education Standards have been adopted by South Carolina as the academic standards for health and safety education and provide a framework for the course. The eight national standards are taught on the basis of the six content areas included in the SC Health & Safety Education Curriculum Standards: Alcohol, Tobacco, and Other Drugs; Growth, Development, and Sexual Health and Responsibility; Injury Prevention and Safety; Mental, Emotional, and Social Health; Personal and Community Health; Physical Activity and Nutrition. Instruction includes activities that develop personal and life skills to promote the adoption of health- enhancing behaviors. Opportunities are provided for students to develop and demonstrate health-related knowledge, attitudes, and practices. Health education concepts and skills are introduced and continued with developmentally appropriate instruction and activities throughout the 6th, 7th, and 8th grade courses. Erin's Law is embedded within the curriculum. This course is designed so that students acquire the knowledge and skills to: (1) demonstrate competency in a variety of movement forms; (2) design and develop an appropriate physical fitness program to achieve a desired level of personal fitness; (3) participate regularly in health enhancing physical activity outside of physical education class; and (4) meet the gender and age group health-related physical fitness standards. Emphasis is placed on lifetime fitness and fundamental skills to improve the level of competence for future participating. The student should also acquire the knowledge, strategies and rules of the individual and team sports presented. Physical education concepts and skills are introduced and continued with developmentally appropriate instruction and varied activities throughout the 6th, 7th, and 8th grade courses. Safety, fair play and sportsmanship are also stressed in this course.

Challenge by Choice
Grade: 8
24011000
(Excel Academy)
Prerequisite: None
This course is designed to provide physical activity through internal center of control within each person by encouraging each participant to set their own goals and definition of success. The Challenge by Choice program emphasizes team building, physical activity, and setting personal goals: change, Students will be involved in critical thinking and problem-solving exercises.

Fitness and Nutrition
Grade: 8
24011100
(W. A. Perry)
Prerequisite: None
This course enables students to examine the relationship between physical activity, poor nutrition, sports performance, and overall wellness. Students will learn how to prepare nutritious foods and why food is needed for health lifestyles and peak performance. This course will also strengthen health promotion and disease through increased knowledge of nutrition and physical activity.

VISUAL AND PERFORMING ARTS

INSTRUMENTAL MUSIC: BAND

Instrumental Music: Band, Beginning
Grade: 6
15310000
Prerequisite: None
This one-year beginning band course provides beginning instruction to students having no prior experience in playing a wind or percussion instrument. Basic elements of music theory and technique on various wind and percussion instruments will be taught.

Instrumental Music: Band, Intermediate
Grade: 7
25310000
Prerequisite: Beginning Band
This one-year intermediate band course provides a continuation of the music theory and instrumental technique taught in Beginning Band. Students are encouraged to participate in Richland One Honor Band auditions, Solo and Ensemble Festival, and school and community concerts.

Instrumental Music: Band, Advanced
Grade: 8
25310200
Prerequisite: Intermediate Band
This one-year advanced band course provides opportunities for students to reach a more advanced level of technique on wind and percussion instruments and a better understanding of the structure and style of various types of music. Students are encouraged to participate in Richland One Honor Band auditions, Solo and Ensemble Festival, and school and community concerts. More advanced students will be assisted in preparations for the South Carolina All-State Band auditions.

CHORUS

Chorus: Beginning
Grade: 6
15410000
Prerequisite: None
This one-year beginning choral music course is designed for the student who enjoys and wishes to explore music through singing. The course introduces the fundamentals of choral singing and note reading skills through a variety of contemporary choral literature. Students are encouraged to participate in SCMEA clinics, ACDA clinics, festivals, as well as school and community events.

Chorus: Intermediate
Grade: 7
25410000
Prerequisite: Chorus: Beginning or Teacher Approval
This one-year intermediate chorus course provides a continuation of the music theory and choral technique covered in Beginning Chorus. Students are encouraged to participate in SCMEA clinics, ACDA clinics, Richland One clinics and festivals, as well as community concerts. This chorus, with the advanced chorus, performs for all school and community programs.

Chorus: Advanced
Grade: 8
25410200
Prerequisite: or Teacher Approval or Chorus: Intermediate
This one-year advanced chorus course provides opportunities for the student to reach a more advanced level technique of singing in two and three parts. Students are encouraged to participate in all SCMEA clinics, ACDA clinics, and Richland One clinics and festivals, as well as community concerts. From this chorus, a select show choir is chosen to perform for various organizations. Solo and ensemble is encouraged for the more advanced student.

General Music 6
Grades: 6
15610000 (Semester)
15610100 (Nine-Weeks)
Prerequisite: None
This one-semester or nine-week course general music course provides students an opportunity to experience music through listening, performing, reading and writing musical notation, and analyzing the music of composer of a wide range of styles and periods. The course may be taught through choral music or instrumental music methods.

General Music 7
Grade: 7
25610000 (Semester)
25610200 (Nine-Weeks)
Prerequisite: None
This one-semester or nine-week course general music course provides students an opportunity to experience music through listening, performing, reading and writing musical notation, and analyzing the music of composers of a wide range of styles and periods. The course may be taught through choral music or instrumental music methods.

General Music 8
Grade: 8
25610400 (Semester)
25610600 (Nine-Weeks)
Prerequisite: None
This one-semester or nine-week course general music course provides students an opportunity to experience music through listening, performing, reading and writing musical notation, and analyzing the music of composers of a wide range of styles and periods. The course may be taught through choral music or instrumental music methods.

DANCE

Dance: Explorations
Grade 6
15256000 (Semester)
15256100 (Nine-Weeks)
Grade 7
25257000 (Semester)
25257100 (Nine-Weeks)
Grade 8
25258000 (Semester)
25258100 (Nine-Weeks)
Prerequisite: None
This one-semester or nine-week dance explorations course is for students who have a genuine interest in Dance. Auditions and/or prior training in dance are not required. In this class, students will explore the elements of Dance – body, space, force, and time. They will learn how to draw upon inner resources to make a direct and clear statement– i.e., to communicate through movement. Students will learn both awareness and control of movement. Lessons in movement will help build self-image, self-awareness, and self- direction.

Dance: Beginning
Grade: 6
15250000
Prerequisite: Audition
This one-year course is an introduction to the study of dance which encompasses technique (ballet, modern and at least two other forms, such as jazz, tap, a world dance form, etc.), basic dance elements, choreography, creative expression, history, dance production, and healthful living. There will be an emphasis on developing skillful use of the body as an instrument of expression, experiences in creative process and knowledge of technical aspects of dance production. There may be after-school rehearsals for scheduled performances. A passing score on the GT **–** Dance audition is required for all students in this course.

Dance: Intermediate
Grade: 7
25250000
Prerequisite: Audition or Dance: Beginning
This one-year intermediate dance course is a continuation of the study of dance at the intermediate level which includes technique (ballet, modern, and at least two other forms, such as jazz, tap, a world dance form, etc.), choreography, creative expression, history, dance production, and healthful living. There will be an emphasis on developing skillful use of the body as an instrument of expression, experiences in creative process and knowledge of technical aspects of dance production and performance. There may be after-school rehearsals for scheduled performances. A passing score on the GT **–** Dance audition is required for all students in this course.

Dance: Advanced
Grade: 8
25250400
Prerequisite: Audition or Dance: Intermediate
This one-year advanced dance course is a study of dance at the advanced level and includes technique (ballet, modern and at least two other forms, such as jazz, tap, and a world dance form, etc.), choreography, creative expression, history of 20th century dance, essential aspects of dance production, and healthful living. There will be an emphasis on developing skillful use of the body as an instrument of expression, experiences in the creative process and knowledge of technical aspects of dance production and performance. There will be after-school rehearsals for scheduled performances. A passing score on the GT **–** Dance audition is required for all students in this course.

INSTRUMENTAL MUSIC: ORCHESTRA - STRINGS

Instrumental Music: Orchestra – Strings, Beginning
Grade: 6
15510000
Prerequisite: Previous instruction not required
This one-year course provides beginning instruction to students having no prior experience in playing a string orchestra instrument. Basic elements of music theory and technique on various orchestral instruments will be covered. Essential Elements Book I is the recommended book for this level.

Instrumental Music: Orchestra – Strings, Intermediate
Grade: 7
25510000
Prerequisite: Orchestra – Strings, Beginning, previous Orchestra Instruction and Teacher Approval
This one-year intermediate orchestra course provides a continuation of the music theory and instrumental technique covered in Beginning Orchestra. Students are encouraged to participate in Richland One Honor Orchestra auditions, SCMEA Orchestra activities, and school and community concerts. Essential Elements Book II is the recommended text for this level.

Instrumental Music: Orchestra – Strings, Advanced
Grade: 8
25510200
Prerequisite: Orchestra – Strings, Intermediate, previous Orchestra Instruction and Teacher Approval
This one-year advanced orchestra course provides opportunities for students to reach a more advanced level of technique on string orchestra instruments and a better understanding of the structure of various types of music. Students are encouraged to participate in Richland One honor Orchestra, SCMEA activities, and school and community concerts. Essential Elements Book III is the recommended book for this level.

INSTRUMENTAL MUSIC: GUITAR

Instrumental Music: Guitar - Beginning
Grade: 6
153800
Prerequisite: None
This one-year course provides beginning group and individualized instruction to students having no prior experience in playing a guitar. Students will learn guitar principles, basic music theory, and the fundaments of song structure. Students will explore varied repertoire, styles, and techniques. Scope includes instrument maintenance, mechanics, musical notation and tablature, rhythm and meter, scales, chords and chord progressions, tone quality, and intonation. Required rehearsals and performances outside of regularly scheduled school hours are an integral part of coursework.

Instrumental Music: Guitar - Intermediate
Grade: 7
253800
Prerequisite: Beginning Guitar or teacher recommendation.
This one-year course provides intermediate group and individualized instruction to students seeking additional coursework on guitar. Students will learn guitar principles, basic music theory, and the fundaments of song structure. Students will explore varied repertoire, styles, and techniques. Scope includes instrument maintenance, mechanics, musical notation and tablature, rhythm and meter, scales, chords and chord progressions, tone quality, and intonation. Required rehearsals and performances outside of regularly scheduled school hours are an integral part of coursework.

Instrumental Music: Guitar - Advanced
Grade: 8
253900
Prerequisite: Intermediate Guitar or teacher recommendation.
This one-year course provides advanced group and individualized instruction to students seeking advanced coursework on guitar. Students will learn guitar principles, basic music theory, and the fundaments of song structure. Students will explore varied repertoire, styles, and techniques. Scope includes instrument maintenance, mechanics, musical notation and tablature, rhythm and meter, scales, chords and chord progressions, tone quality, and intonation. Required rehearsals and performances outside of regularly scheduled school hours are an integral part of coursework.

THEATRE

Theatre: Explorations
Grade 6:
15210600 (Semester)
15211600 (9-weeks)
Grade 7:
25210700 (Semester)
25211700 (9 weeks)
Grade 8:
25210800 (Semester)
25211800 (9 Weeks)
Prerequisite: None
This 9-week or one-semester theatre explorations course is for students who have a genuine interest in theatre. Auditions and/or prior training in theatre are not required. In this class, students will explore elements of theatre - performance, audience, theatre space, design elements, and dramatic action. They will be introduced to basic skills in acting, designing, directing, and play writing; however, there will be no public performance requirements.

Theatre: Beginning
Grade: 6
15210000
Prerequisite: Audition
This one-year beginning theatre course is designed to provide introductory instruction to students with little or no experience in theatre. Students should be motivated and interested in exploring fundamental elements, theories, and techniques of the craft. More advanced students will be assisted in preparation for the District Theatre Festival. A passing score on the GT **–** Theatre audition is required for all students in this course.

Theatre: Intermediate
Grade: 7
25210200
Prerequisite: Audition or Theatre: Beginning
This one-year intermediate theatre course is a continuation of Theatre: Beginning. This course is designed for motivated and highly interested students who wish to continue exploring elements, theories, and techniques of the craft. More advanced students will be assisted in preparation for the District Theatre Festival. A passing score on the GT **–** Theatre audition is required for all students in this course.

Theatre: Advanced
Grade: 8
25210400
Prerequisite: Audition or Theatre: Intermediate
This one-year advanced theatre course is a continuation of Theatre: Intermediate and is designed for the highly motivated and interested student. A more advanced level of theory and technique will be stressed through a variety of classroom experiences. Students will be encouraged to become involved in theatre in their school and community and participate in regional competitions. Students will be assisted in preparation for District Theatre Festival. A passing score on the GT **–** Theatre audition is required for all students in this course.

ART

Art: Beginning 6
Grade: 6
15016000 (Year)
15016100 (Semester)
Prerequisite: None
This one-semester or one-year course provides opportunities for students who are motivated and interested in Art. Observation and drawing skills and the maintenance of a portfolio are basic requirements.

Art: Beginning 6 (9-weeks)
Grade: 6
15010100
Prerequisite: None
This 9-weeks short course is an introductory course to the fundamentals of design and individual expression. Exposure to a variety of art forms, techniques, processes, materials, and artistic styles will be the primary focus.

Art: Intermediate 7
Grade: 7
25010100 (Year)
25017100 (Semester)
Prerequisite: Art: Beginning and Teacher Approval
This one-semester or one-year course offers opportunities for the use of design elements and principles in the production of two- and three-dimensional art. A variety of art concepts, techniques, material, process, assessment approaches, and vocabulary is emphasized.

Art: Advanced 8
Grade: 8
25010300 (Year)
25018300 (Semester)
Prerequisite: Art: Intermediate and Teacher Approval
This one-semester or one-year course offers opportunities for the use of design elements and principals to two- and three-dimensional art. Experimentation with a variety of media processes, techniques, and concepts are included with emphasis on personal expression, art criticism, assessment, vocabulary, creative problem solving, and exposure to the historical and cultural aspects of art.

Art: Accelerated 7
Grade: 7
25010500 (Year)
25017500 (Semester)
Prerequisite: Teacher Approval; portfolio review
This one-semester or one-year course is designed for concentrated study of the visual arts by advanced students. Students will maintain a sketchbook and portfolio and participate in group critiques and exhibitions. One group art project will be planned as a service to the school.

Art: Accelerated 8
Grade: 8
25010700 (Year)
25018500 (Semester)
Prerequisite: Art: Accelerated 7
This one-semester or one-year course is designed for further concentrated study, in-depth creative problem solving, and development of personal expression by advanced students. Major artistic trends, historical and cultural aspects and artist biography will be included. Independent study, critiquing; individual presentations and exhibitions, maintenance of a sketchbook and a portfolio are required.

CTE AND STEM COURSES

Keyboarding 6 (non-CTE)
Grade: 6
18516400
Prerequisite: None
This course provides an opportunity for students to master the skill of entering alphabetic, numeric, and symbolic information on a keyboard and a ten-key pad using the touch method of keystroking. Emphasis is placed on development of accuracy and speed, proper techniques, and correct fingering.

General Education Exploratory 6 Business (non-CTE)
Grade: 6
17016300
Prerequisite: None
This course is designed to prepare students for Entrepreneurship, Financial Management and Marketing in preparation for starting their own businesses.

General Education Exploratory 7 Business (non-CTE)
Grade: 7
27017300
Prerequisite: None
This course is designed to prepare students for Entrepreneurship, Financial Management and Marketing in preparation for starting their own businesses.

General Education Exploratory 8 Business (non-CTE)
Grade: 8
27018300
Prerequisite: None
This course is designed to prepare students for Entrepreneurship, Financial Management and Marketing in preparation for starting their own businesses.

Introduction to Career Clusters 1 (CTE)
Grade 6: 18306200
Grade 7: 28307200
Grade 8: 28308200
Prerequisite: None
This course is designed to provide an introduction to career possibilities in the sixteen career clusters adopted by the South Carolina Department of Education. Students will have an opportunity to explore job tasks and career opportunities in each cluster while gaining an understanding of how careers and the world of work affect individuals and their families and communities. It is a career and technical virtual hybrid experience targeted at exploring academic and career goals. This course integrates grade appropriate, career-based activities with virtual classroom instruction. Students will gain employability and occupational skills while applying and advancing their knowledge in academic areas. The career-based learning experiences will be grouped around three specific domains: awareness, exploration, and preparation. Some of the experiences are as follows: Service Learning, Virtual and Real Job Shadowing, Virtual and Real College Tours, and Hands-on Career Interest Projects.

Introduction to Career Clusters 2 (CTE)
Grade 6: 18306300
Grade 7: 28307300
Grade 8: 28308300
Prerequisite: Introduction to Career Clusters 1 with a "C" or better
This course is designed to provide an introduction to career possibilities in the sixteen career clusters adopted by the South Carolina Department of Education. Students will have an opportunity to explore job tasks and career opportunities in each cluster while gaining an understanding of how careers and the world of work affect individuals and their families and communities. It is a career and technical virtual hybrid experience targeted at exploring academic and career goals. This course integrates grade appropriate, career-based activities with virtual classroom instruction. Students will gain employability and occupational skills while applying and advancing their knowledge in academic areas. The career-based learning experiences will be grouped around three specific domains: awareness, exploration, and preparation. Experiences include service learning, virtual and real job shadowing, virtual and real college tours, and hands-on career interest projects.

ARTS, AUDIO-VIDEO TECHNOLOGY, AND COMMUNICATION

Multimedia Basics (CTE)
Grade 7: 27030700
Grade 8: 27030800
Prerequisite: None
This course provides students with a complete understanding of the technological and creative aspects of video game design. Students will have the opportunity to learn all aspects of team building, including the creative, business, and technological components required to launch a new video game system.

BUSINESS, MANAGEMENT, AND ADMINISTRATION

Computer Applications (CTE)
Grade 7: 27020700
Grade 8: 27020800
Prerequisite: None
This course is designed to introduce students to software applications that are necessary to live and work in a technological society. The applications covered include word processing, database, spreadsheet, and presentation.

Digital Literacy (CTE)
Grade 7: 28530700
Grade 8: 28530800
Prerequisite: None
This course is designed to equip students with many of the needed computer skills to find, evaluate, create, and communicate information. Students will be exposed to a broad range of computer technology along with a working knowledge of computer software and hardware.

EDUCATION AND TRAINING

ProTeam
Grade 7: 27350700
Grade 8: 27350800
Prerequisite: None
This course encourages students to become aware of the skills to complete college and consider education as a career option. Students will participate in hands-on, student-driven activities that create opportunities for the students to grow as leaders.

FINANCE

Financial Literacy
Grade 7: 27050700
Grade 8: 27050800
Prerequisite: None
This course is designed to introduce the student to basic financial literacy skills to help them make responsible financial decisions. Concepts covered include financial planning, bank accounts, credit and loans, wages and taxes, investments and insurance.

HEALTH SCIENCE

PLTW Gateway to Technology: Medical Detectives (CTE)
Grade 6: 17896500
Grade 7: 27897500
Grade 8: 27898500
This course allows students to collect and analyze medical data to diagnose disease. They solve medical mysteries through hands-on projects and labs, measure and interpret vital signs, dissect a sheep brain, investigate disease outbreaks, and explore how a breakdown within the human body can lead to dysfunction. (GTTMEDICAL)

Introduction to Health Professions 1 (CTE)
Grade: 7
28397100
Prerequisite: None
This course is the study and research of health-related issues like food, nutrition, how to prevent or cure diseases, and similar health related areas. Students will participate in The Health Science Careers Program, which is designed as a complete learning system, including customizable multimedia curriculum, student activity guidebooks, equipment, and supplies. As identified by the Department of Labor, healthcare-specific fields represent one of the top ten projected job areas in demand for the next decade. Introduction to Health Professions 1 will address a wide range of careers and skills to include: Dentistry, Emergency Medical Technician, Environmental Health and Safety, Forensics, Imaging Technology, and Pharmacology.

Introduction to Health Professions 2 (CTE)
Grade 7: 28397200
Grade 8: 28398200
Prerequisite: Introduction to Health Professions 1 with a "C" or better
This course is a continuation of Introduction to Health Professions 1 and provides an addition to the study and research of health-related careers. Students will participate in the Health Science Careers Program, which is designed as a complete learning system, including customizable multimedia curriculum, student activity guidebooks, equipment, and supplies. As identified by the Department of Labor, healthcare-specific fields will represent one of the top ten projected job areas in demand for the next decade. Introduction to Health Professions 2 will address a wide range of careers and skills to include: Biotechnology RND, Clinical Lab Practices, Health Information Management, Ophthalmology, Sports Medicine, and Therapeutic Services.

HUMAN SERVICES/FAMILY AND CONSUMER SCIENCES

The Family and Consumer Sciences student organization, Family, Career, and Community Leaders of America (FCCLA) greatly enhances the courses in this curriculum.

Exploratory Family and Consumer Sciences 6 (CTE)
Grade: 6
18586200
Prerequisite: None
This course is designed to cover beginning skills in Family and Consumer Sciences (FACS). Students are introduced to relationship development skills, resources, home safety and security, childcare responsibilities, personal image strategies, basic food preparation techniques and entrepreneurship opportunities.

Introduction to Family and Consumer Sciences 1-7 (CTE)
Grade: 7
28577200
Prerequisite: Exploratory Family and Consumer Sciences
This course provides an opportunity for students to explore self-image, cope with emotions, perform simple tasks, and encourage decision-making skills and it focuses on money issues, environmental concerns, positive approaches to child development, clothing care, nutritional choices, food preparation, and skills for successful employment. This course is designed to introduce and provide meaningful experiences that will help a student develop a positive self-concept.

Introduction to Family and Consumer Sciences 1-8 (CTE)
Grade: 8
28588000
Prerequisite: Introduction to Family and Consumer Sciences 1-7
This course focuses on the changes and challenges faced by young teens today. Topics include family relationships, goal setting, money management, home repairs, early childhood development, clothing selection, eating disorders and careers. Specifically, students will be prepared to meet responsibilities and recognize opportunities as wage earners, consumers, and home managers. This curriculum also addresses character education, communication skills, personal appearance and wellness.

INFORMATION TECHNOLOGY

PLTW Gateway to Technology: App Creators (CTE)
Grade 6: 17822600
Grade 7: 27822700
Grade 8: 27822800
Prerequisite: None
This course exposes students to computer science as a means of computationally analyzing and developing solutions to authentic problems through mobile app development, and will convey the positive impact of the application of computer science to other disciplines and to society. (GTTAPPCREATE)

PLTW Gateway to Technology: Computer Science for Innovators and Makers (CTE)
Grade 6: 17853600
Grade 7: 27853700
Grade 8: 27853800
Prerequisite: None
This course allows students to learn about programming for the physical world by blending hardware design and software development, allowing students to discover computer science

concepts and skills by creating personally relevant, tangible, and shareable projects. (GTTCSINNOVATE)

SCIENCE, TECHNOLOGY, ENGINEERING, AND MATHEMATICS (STEM)

PLTW Gateway to Technology: Design and Modeling (CTE)
Grade 6: 17800600
Grade 7: 27800700
Grade 8: 27800800
Prerequisite: None
This course allows students to discover the design process and develop an understanding of the influence of creativity and innovation in their lives. They are then challenged and empowered to use and apply what they've learned throughout the unit to design a therapeutic toy for a child who has cerebral palsy. (GTTDESIGN)

PLTW Gateway to Technology: Automation and Robotics (CTE)
Grade 6: 17811600
Grade 7: 27811700
Grade 8: 27811800
Prerequisite: None
This course allows students to learn about the history and impact of automation and robotics as they explore mechanical systems, energy transfer, machine automation, and computer control systems. Using the VEX Robotics® platform, students apply what they know to design and program traffic lights, robotic arms, and more. (GTTAUTOMATION)

PLTW Gateway to Technology: Energy and the Environment (CTE)
Grade 6: 17834600
Grade 7: 27834700
Grade 8: 27834800
Prerequisite: None
This course allows students to challenge their thinking towards the future as they explore sustainable solutions to our energy needs and investigate the impact of energy on our lives and the world. They use what they've learned to design and model alternative energy sources, as well as evaluate options for reducing energy consumption. (GTTENERGY)

PLTW Gateway to Technology Flight and Space (CTE)
Grade 6: 17845600
Grade 7: 27845700
Grade 8: 27845800
Prerequisite: None
This course comes alive through Flight and Space. Students explore the science behind aeronautics and use their knowledge to design, build, and test an airfoil. (GTTFLIGHT)

PLTW Gateway to Technology: Science of Technology (CTE)
Grade 6: 17866600
Grade 7: 27866700
Grade 8: 27866800
Prerequisite: None
This course allows students to apply the concepts of physics, chemistry, and nanotechnology to activities and projects, including making ice cream, cleaning up an oil spill, and discovering the properties of nano-materials. (GTTSCIENCE)

PLTW Gateway to Technology: Magic of Electrons (CTE)
Grade 6: 17877600
Grade 7: 27877700
Grade 8: 27877800
Prerequisite: None
This course allows students to examine the behavior and parts of atoms as well as the impact of electricity on the world around them. They learn skills in basic circuitry design and use what they know to propose designs such as a burglar alarm for an art museum. (GTTELECTRONS)

PLTW Gateway to Technology: Green Architecture (CTE)
Grade 6: 17888600
Grade 7: 27888700
Grade 8: 27888800
Prerequisite: None
This course allows students to learn how to apply green concepts to architecture and construction. They explore dimensioning, measuring, and architectural sustainability and apply what they learn to design affordable housing units using Autodesk's® 3D architectural design software. (GTTARCHITECTURE)

RELATED ACADEMICS

Academic Enrichment 6
Grade: 6
17990600 (year)
17990610 (semester)
Prerequisite: None
This semester or year-long course is designed as a daily period to reinforce skills in math, reading, and/or writing through remediation and exploration. Instruction utilizing technology, research and library skills to practice identified areas of weakness is provided to students who have not met standards and to provide higher order thinking skills to students who have achieved identified standards.

Academic Enrichment 7
Grades: 7
27990700 (year)
27990710 (semester)
Prerequisite: None
This semester or year-long course is designed as a daily period to reinforce skills in math, reading, and/or writing through remediation and exploration. Instruction utilizing technology, research and library skills to practice identified areas of weakness is provided to students who have not met standards and to provide higher order thinking skills to students who have achieved identified standards.

Academic Enrichment 8
Grade: 8
27990800 (year)
27990810 (semester)
Prerequisite: None
This semester or year-long course is designed as a daily period to reinforce skills in math, reading, and/or writing through remediation and exploration. Instruction utilizing technology, research and library skills to practice identified areas of weakness is provided to students who have not met standards and to provide higher order thinking skills to students who have achieved identified standards.

Ambassador Program
Grade 6: 17991000 (Hand and Sanders)
Grade 7: 27991100 (Hand and Sanders)
Grade 8: 27991000 (Hand, Gibbes, and Sanders)
Prerequisite: None
This one-semester course provides selected students with service learning type experience in areas such as the library offices (main, guidance, assistant principals, etc.), technology center. Additionally, students may be provided experiences as teacher/team assistants, club sponsor helpers, and peer tutors.

AVID General Exploratory
Grade 6: 17016100
Grade 7: 27017200
Grade 8: 27018200
(Alcorn, Gibbes, Hand, Perry, St. Andrews)
Prerequisite: None
AVID elective courses prepare students for high school and college. There is an emphasis on analytical writing, preparation for college entrance and placement exams, study skills and test taking, note taking, and research. Students learn strategies to enhance success such as note-taking, outlining, writing, speaking, reading, test-taking strategies, and self-awareness. These courses are a major component of the AVID College Readiness System and are designed to foster school wide implementation of the AVID program.

Academics Lab 6
Grade: 6
19035027
Prerequisite: None
The purpose of this course is to assist students by enhancing academic skills in order to be successful in their general education classes.

Academics Lab 7
Grade: 7
29035127
Prerequisite: None
The purpose of this course is to assist students by enhancing academic skills in order to be successful in their general education classes.

Academics Lab 8
Grade: 8
29035227
Prerequisite: None
The purpose of this course is to assist students by enhancing academic skills in order to be successful in their general education classes.

HIGH SCHOOL CREDITS / CARNEGIE UNITS

English 1 Honors
Grade: 8
302400HW
1 unit (High School credit)
Prerequisite: State eligibility criteria and 7th Grade English Language Arts Gifted
This course is aligned to the state-adopted College- and Career Ready Standards for English Language Arts. Students will continue to deepen and foster their development of literacy skills by reading, discussing, and analyzing a range of literary and informational texts. Students will cultivate and apply skills in critical thinking, writing, speaking and listening, and word study through experiences with increasingly complex texts, ideas, and tasks aimed at preparing students for college and career. An increased level of independence is expected of Honors students due to the pace, depth, scope and rigor of this course. It is strongly recommended that students in this course plan to take Advanced Placement or International Baccalaureate English courses. Beginning with the 2019-2020 school year, there will be no end-of-course test for English 1.

Algebra 1 Honors
Grade: 7
411407HW
1 unit (High School credit)
Prerequisite: State eligibility criteria and 6th grade Gifted Mathematics
This course is designed for students who have completely mastered the middle level SC state math standards and are ready to begin moving into advanced topics and the honors level rigor. Emphasis is placed on deepening and extending understanding of linear and exponential relationships by contrasting them with each other, to include arithmetic and geometric sequences. Students will engage in methods for analyzing, solving, and using quadratic functions. Other areas of focus will be utilizing rational exponents, systems involving quadratic expressions, using functions to model relationships, interpreting functions, and making judgments about the appropriateness of linear models. Students enrolled in this course will take a South Carolina Algebra 1 End-of-Course exam that will count 20% of their final grade.

Algebra 1 Honors
Grade: 8
411408HW
1 unit (High School credit)
Prerequisite: District eligibility criteria and 7th grade Accelerated Mathematics
This course is designed for students who have completely mastered the middle level SC state math standards and are ready to begin moving into advanced topics **and the honors level rigor.** Emphasis is placed on deepening and extending understanding of linear and exponential relationships by contrasting them with each other, to include arithmetic and geometric sequences. Students will engage in methods for analyzing, solving, and using quadratic functions. Other areas of focus will be utilizing rational exponents, systems involving quadratic expressions, using functions to model relationships, interpreting functions, and making judgments about the appropriateness of linear models. Students enrolled in this course will take a South Carolina Algebra 1 End-of-Course Exam that will count 20% of their final grade.

Geometry Honors
Grade: 8
412208HW
1 unit (High School credit)
Prerequisite: State eligibility criteria and 7th grade Gifted Mathematics; Recommended: Grade of 80 or higher in Algebra 1
This course is designed for students who have demonstrated exceptional mathematical capabilities during the study of Algebra 1. This course facilitates the continuation of work to formalize and extend students' geometric experiences from the middle grades. Students explore more complex geometric situations and deepen their explanations of geometric relationships, moving towards formal mathematical arguments. Transformations are emphasized in this course. Some additional areas of focus will be reasoning to complete geometric constructions, proving theorems using a variety of formats, apply similarity in right triangles to understand right triangle trigonometry, developing the law of sine and cosine, writing the equation of circles, and continue their study of quadratics by connecting the geometric and algebraic definitions of the parabola. The course includes learning and enrichment opportunities that extend beyond the standard coursework and are aligned to the South Carolina State Standards in Geometry CP level courses and the Profile of the South Carolina Graduate. Depth in rigor, complexity, challenges and creativity beyond the CP level course are required in the honors level course content.

French 1 (Crayton, Hopkins, Southeast)
Grade 7: 361171CW
Grade 8: 361181CW
Credits: 1 Unit (High School credit)
Prerequisite: Teacher Recommendation - French: Introduction
This course is designed as a sequel to French Introduction. An eclectic approach to language learning will be used. As suggested within the South Carolina World Languages Framework and the South Carolina Standard for World Language Proficiency, this course integrates the three competencies for world language education: Interpretive Listening and Reading, Interpersonal Communication, and Presentational Speaking and Writing. Students will be engaged in activities that stimulate communication, promote critical thinking, and enhance their communicative ability in the language studied as well as their cultural awareness. ACTFL Proficiency scale (Novice-Low to Novice-Mid Range)

French 2 (Crayton, Hopkins, Southeast)
Grade: 8
361202CW
Credits: 1 unit (High School credit)
Prerequisite: Teacher Recommendation - French 1
This course is a sequel to French 1. An eclectic approach to language learning will be used. As suggested within the South Carolina World Languages Framework and the South Carolina Standard for World Language Proficiency, this course integrates the three competencies for world language education: Interpretive Listening and Reading, Interpersonal Communication, and Presentational Speaking and Writing. Students will be engaged in activities that stimulate communication, promote critical thinking, and enhance their communicative ability in the language studied as well as their cultural awareness. ACTFL Proficiency scale (Novice-High to Intermediate-Low Range). At the end of this course, students should score a Novice-High in all modes of communication, in the AVANT STAMP language proficiency test to enroll French 3 Honors.

Latin 1 (Hand)
Grade 7: 363171CW
Grade 8: 363181CW
Credits: 1 unit (High School credit)
Prerequisite: Teacher Recommendation - Latin: Introduction
This course is a sequel of Latin Introduction. An eclectic approach to language learning will be used. As suggested within the South Carolina World Languages Framework and the South Carolina Standard for World Language Proficiency, this course integrates the three competencies for world language education: Interpretive Listening and Reading, Interpersonal Communication, and Presentational Speaking and Writing. Students will be engaged in activities that stimulate communication, promote critical thinking, and enhance their communicative ability in the language studied as well as their cultural awareness. ACTFL Proficiency scale (Novice-Low to Novice-Mid Range)

Latin 2 (Hand)
Grade: 8
363202CW
Credits: 1 unit (High School credit)
Prerequisite: Latin 1
This course is a sequel to Latin I. An eclectic approach to language learning will be used. As suggested within the South Carolina World Languages Framework and the South Carolina Standard for World Language Proficiency, this course integrates the three competencies for world language education: Interpretive Listening and Reading, Interpersonal Communication, and Presentational Speaking and Writing. Students will be engaged in activities that stimulate communication, promote critical thinking, and enhance their communicative ability in the language studied as well as their cultural awareness. Throughout this course, students will advance from Novice-High to Intermediate-Low on the ACFT proficiency scale. Prerequisite for Latin 3 Honors score of Novice-High (all modes) on the ALIRA test.

Spanish 1
Grade 7: 365171CW
Grade 8: 365181CW
Credits: 1 unit (High School credit)
Prerequisite: Teacher Recommendation - Spanish: Introduction
This course is designed as a sequel to Spanish Introduction. An eclectic approach to language learning will be used. As suggested within the South Carolina World Languages Framework and the South Carolina Standard for World Language Proficiency, this course integrates the three competencies for world language education: Interpretive Listening and Reading, Interpersonal Communication, and Presentational Speaking and Writing. Students will be engaged in activities that stimulate communication, promote critical thinking, and enhance their communicative ability in the language studied as well as their cultural awareness. Throughout this course, students will advance from Novice-Low to Novice-Mid on the ACFT proficiency scale.

Spanish 2
Grade: 8
365202CW
Credits: 1 unit (High School credit)
Prerequisite: Teacher Recommendation - Spanish 1
This course is a sequel to Spanish 1. An eclectic approach to language learning will be used. As suggested within the South Carolina World Languages Framework and the South Carolina Standard for World Language Proficiency, this course integrates the three competencies for world language education: Interpretive Listening and Reading, Interpersonal Communication, and Presentational Speaking and Writing. Students will be engaged in activities that stimulate communication, promote critical thinking, and enhance their communicative ability in the language studied as well as their cultural awareness. Throughout this course, students will advance from Novice-High to Intermediate-Low on the ACFT proficiency scale. Prerequisite for Spanish 3 Honors score of Novice High (all modes) on the AVANT STAMP language proficiency test.

Discovering Computer Science
Grade 7-8: 506100CW
1 unit (High School credit)
Prerequisite: None
This course allows students to explore computer science topics with an emphasis on computational thinking and problem solving. Students will be empowered to create authentic artifacts and engage with computer science as a medium for creativity, communication, problem solving, and fun. Students will create their own websites, apps, and games. This survey course will expose students to introductory computer science topics with an emphasis on computational thinking and problem solving applied to a variety of contexts. Students will be empowered to create authentic artifacts and engage with computer science as a medium for creativity, communication, problem solving, and fun. *Counts as Computer Science graduation requirement.*

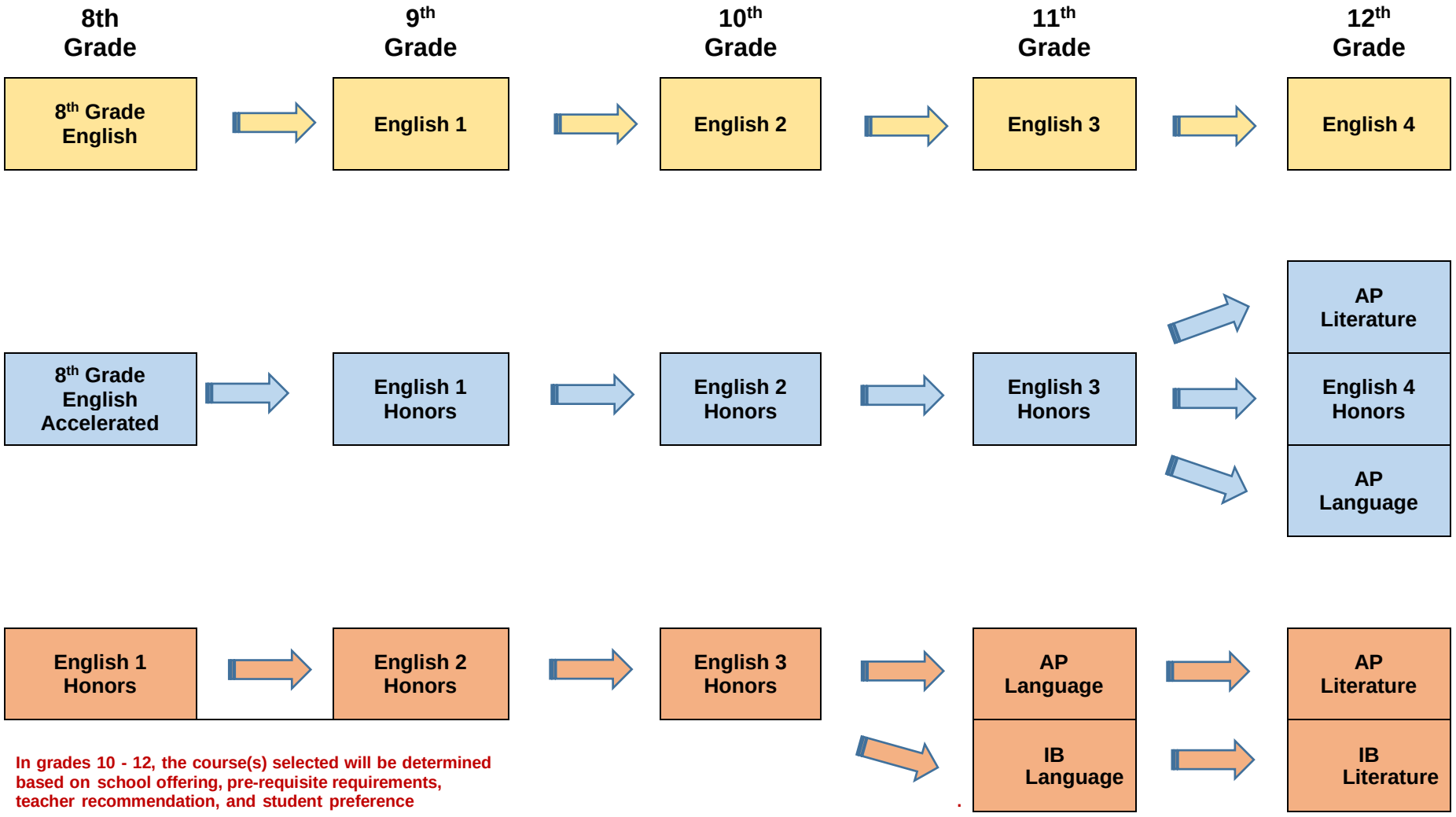
Discovering Computer Science Part 1
Grade 7: 506200CH
1/2 unit (High School credit)
Prerequisite: None
This course will expose students to introductory computer science topics with an emphasis on computational thinking and problem solving applied to a variety of contexts. Students will create authentic artifacts and engage with computer science as a medium for creativity, communication, problem solving, and fun. Projects may include websites, apps and games. *Counts as half unit Computer Science Graduation Credit.*

Discovering Computer Science Part 2
Grade 8: 506300CH
1/2 unit (High School credit)
Prerequisite: Discovering Computer Science Part 1
This course will engage students in introductory computer science topics, which will expand on computational thinking and problem solving applied to a variety of contexts. Students will create authentic artifacts and engage with computer science as a medium for creativity, communication, problem solving, and fun. Projects may include websites, apps and games. *Counts as half unit Computer Science Graduation Credit.*

PLTW Computer Science Essentials
Grade 8: 637200CW
1 unit (High School credit)
Prerequisite: None
This course will allow students to experience the major topics, big ideas, and computational thinking practices used by computing professionals to solve problems and create value for others. This course will empower students to develop computational thinking skills while building confidence that prepares them to advance to other PLTW Computer Science courses. ***Counts as Computer Science Graduation Credit. Requires the student to complete a PLTW end-of-course examination***.

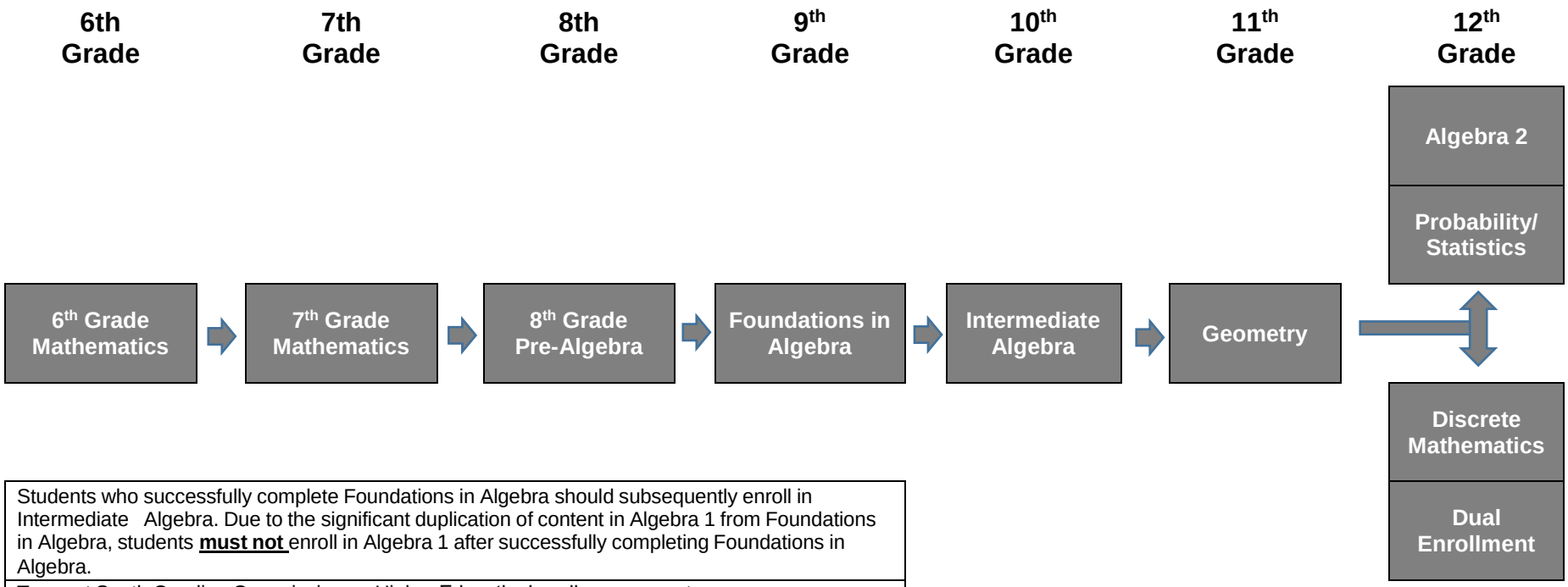
APPENDIX A

English Progression Chart



In grades 10 - 12, the course(s) selected will be determined based on school offering, pre-requisite requirements, teacher recommendation, and student preference

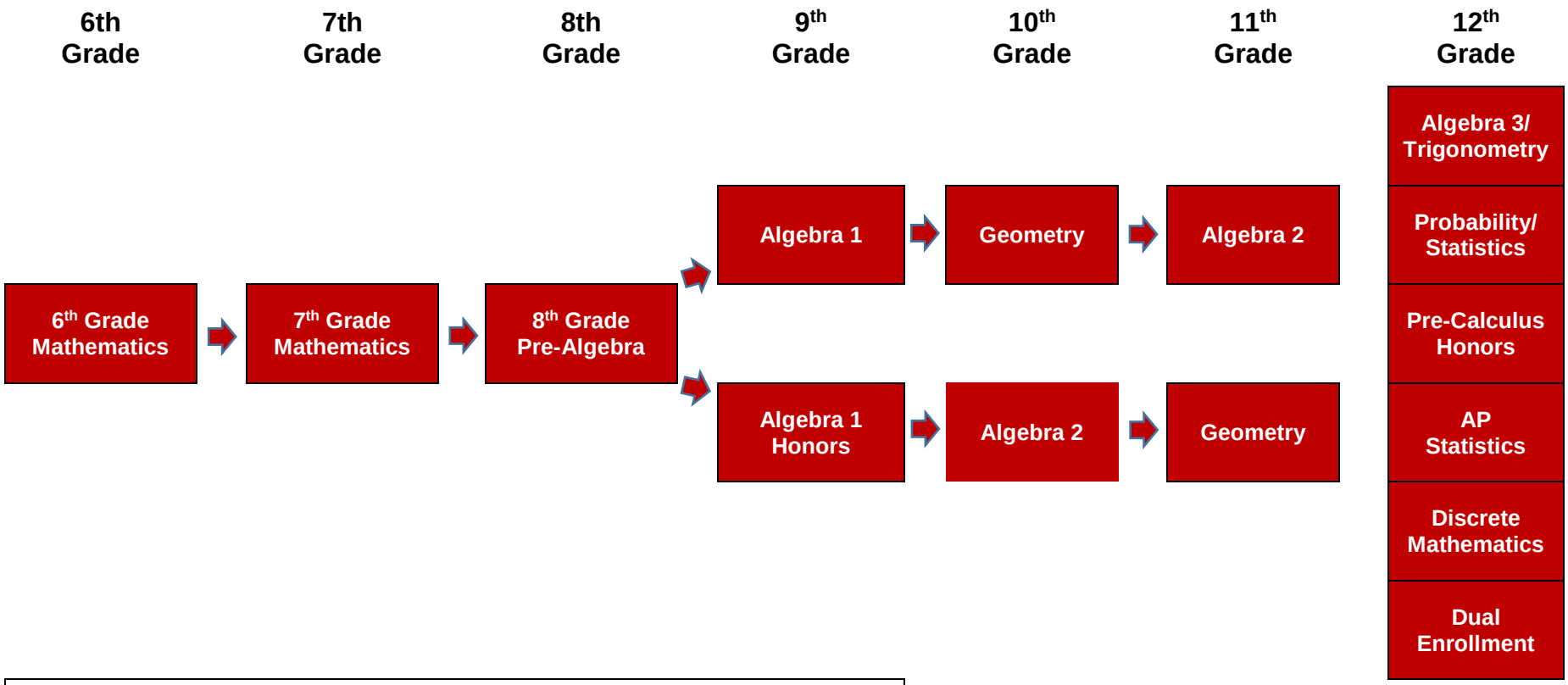
Mathematics Progression Chart: Foundations Pathway



Students who successfully complete Foundations in Algebra should subsequently enroll in Intermediate Algebra. Due to the significant duplication of content in Algebra 1 from Foundations in Algebra, students **must not** enroll in Algebra 1 after successfully completing Foundations in Algebra.
To meet South Carolina Commission on Higher Education's college preparatory course prerequisite requirements, college freshmen entering a four-year public institution of higher education **during or after the 2019 – 2020** academic school year must successfully complete Algebra 1, Algebra 2, Geometry, and an additional mathematics course above the Algebra 2 level. Foundations in Algebra and Intermediate Algebra may count together as a substitute for Algebra 1 if a student successfully completes Algebra 2. (See www.che.sc.gov for more information.)
Students must take the state-mandated Algebra 1 End-of-Course assessment (Algebra 1 EOCEP) administered at the completion of Intermediate Algebra.

In grades 10 - 12, the course(s) selected will be determined based on school offering, pre-requisite requirements, teacher recommendation, and student preference.

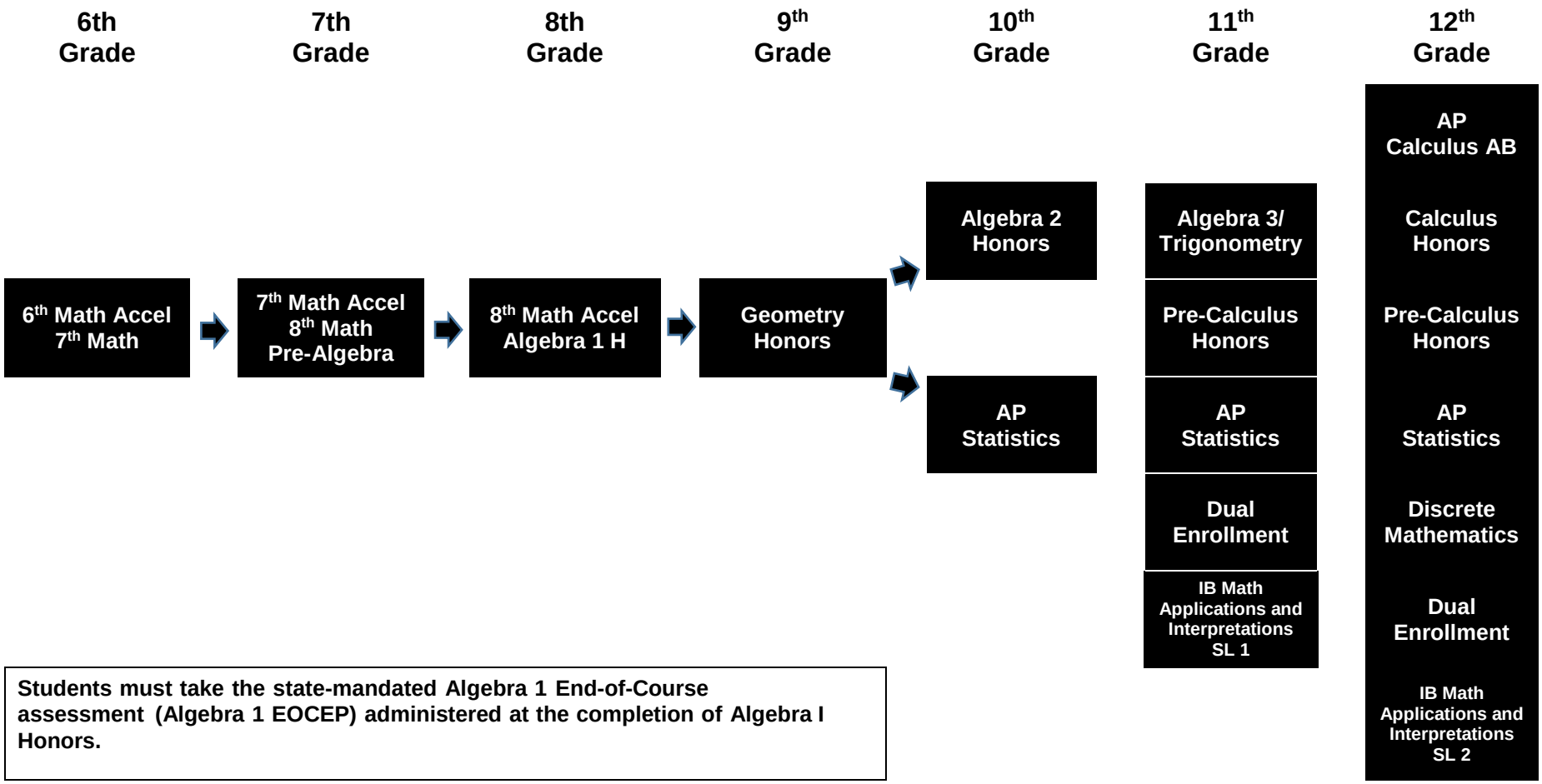
Mathematics Progression Chart: Traditional Pathway



Students must take the state-mandated Algebra 1 End-of-Course assessment (Algebra 1 EOCEP) administered at the completion of Algebra 1.

In grades 10 - 12, the course(s) selected will be determined based on school offering, pre-requisite requirements, teacher recommendation, and student preference.

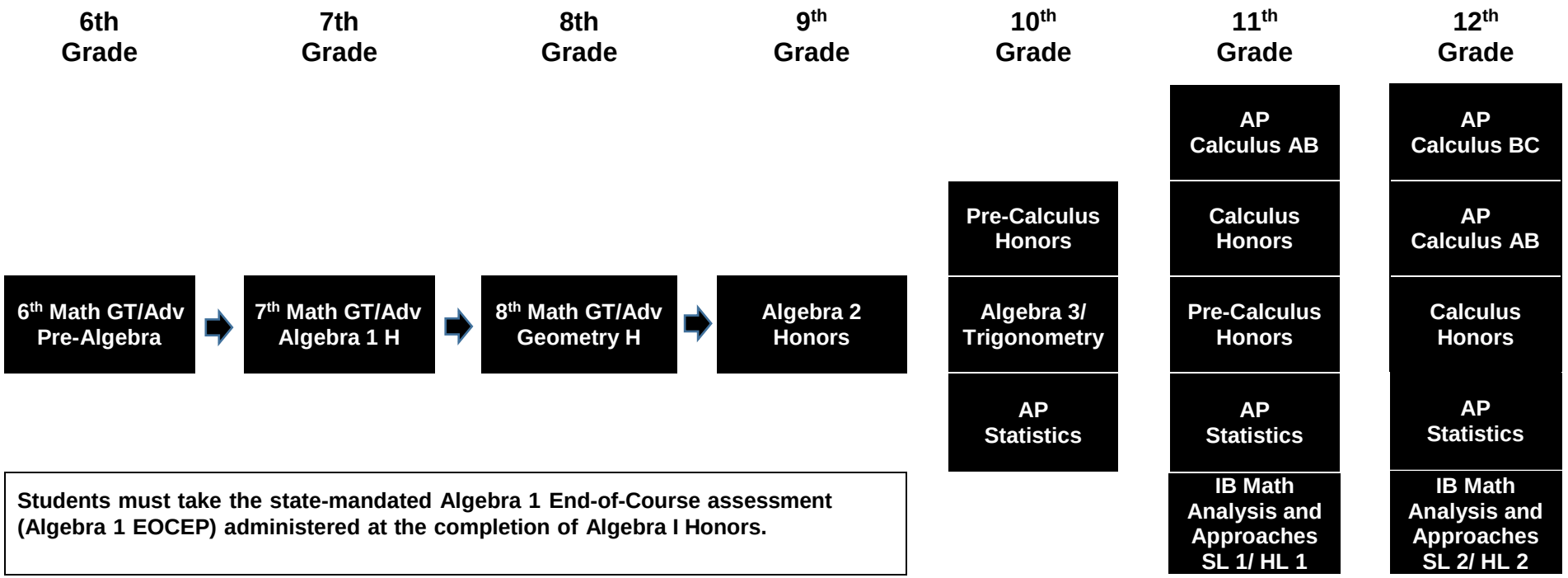
Mathematics Progression Chart: Honors Pathway



Students must take the state-mandated Algebra 1 End-of-Course assessment (Algebra 1 EOCEP) administered at the completion of Algebra I Honors.

In grades 10 - 12, the course(s) selected will be determined based on school offering, pre-requisite requirements, teacher recommendation, and student preference.

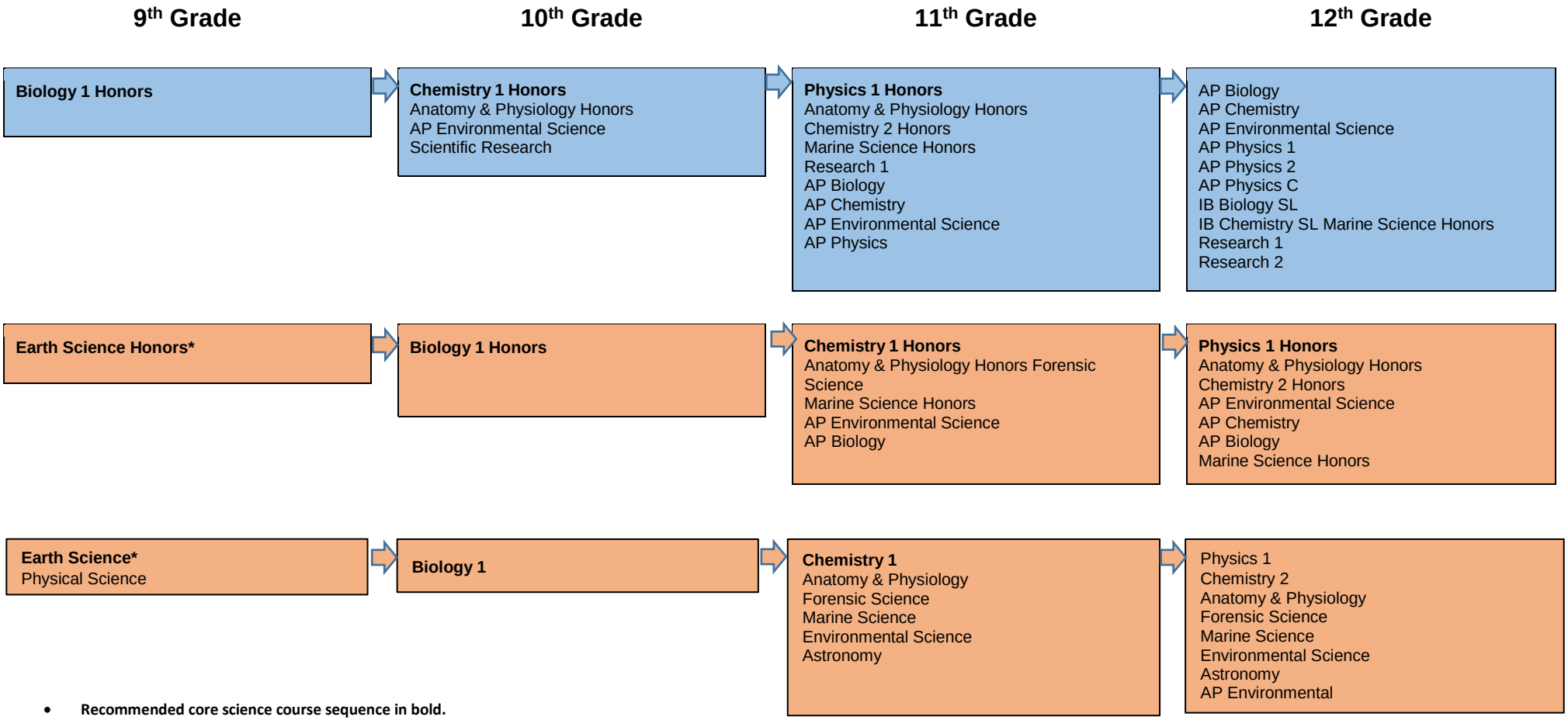
Mathematics Progression Chart: Gifted/Advanced Pathway



Students must take the state-mandated Algebra 1 End-of-Course assessment (Algebra 1 EOCEP) administered at the completion of Algebra I Honors.

In grades 10 - 12, the course(s) selected will be determined based on school offering, pre-requisite requirements, teacher recommendation, and student preference.

Science Progression Chart



- **Recommended core science course sequence in bold.**
- Check college web sites for Science course requirements.
- A South Carolina End-of-Course Evaluation Program test in Biology will be administered based on SC Science Standards. To receive a South Carolina High School Diploma, students must pass Biology.
- Students may take any course listed under the bold course if the prerequisites have been met
- The South Carolina Commission on Higher Education requires the students receive three laboratory science credits for admission to a four-year college or university.
- Students may enroll in more than one science course per semester/academic year.

***Earth Science curriculum is designed to support successful transition from middle school science to Biology 1 and the End-of-Course-Exam.**

Social Studies Progression Chart

9th Grade	10th Grade	11th Grade	12th Grade
Human Geography Honors or Human Geography AP	Human Geography AP or Modern World History AP or European History AP	US History and Constitution AP	Economics and Personal Finance Honors or Macroeconomics AP Or Microeconomics AP and Government Honors or US Government AP
Human Geography CP	Modern World History CP	US History and Constitution CP	US Government CP and Economics and Personal Finance CP
Human Geography Honors	Modern World History Honors	US History and Constitution Honors	Economics and Personal Finance Honors or Macroeconomics AP and Government Honors or US Government AP

- **Students may opt into Honors or Advanced Placement course at any time during their high school careers.**
- Please see course description for prerequisites.
- Check college web sites for Social Studies course requirements for the colleges of your choice.
- **Students must take the state-mandated End-of-Course assessment administered at the completion of US History and Constitution.**

International Baccalaureate Progression Chart

Content	8th Grade	9th Grade	10th Grade	11th Grade	12th Grade
English	English 1 H	English 2 H	English 3 H DE ENG 101/102	IB English HL-1	IB English HL-2
	8th English Accel	English 1 H	English 2 H DE ENG 101/102	IB English HL-1	IB English HL-2
Mathematics	Geometry H	Algebra 2 H	Pre-Calculus H & Calculus H	IB Math HL-1	IB Math HL-2
	Geometry H	Algebra 2 H	Pre-Calculus H	IB Math SL-1	IB Math SL-2
	Algebra 1 H	Geometry H	Algebra 2 H	IB Math SL-1	IB Math SL=2
Science	8th Science Accel	Biology 1 H	Chemistry H & Physics H or AP Physics	IB Biology HL-1 or IB Biology SL-1 or IB Physics SL-1	IB Biology HL-2 or IB Biology SL-2 or IB Physics SL-2
	8th Science Accel	Biology 1 H	Chemistry H or Physics H	IB Biology HL-1 or IB Biology SL-1 or IP Physics SL-1	IB Biology HL-2 or IB Biology SL-2 or IB Physics SL-2
History	8th Soc Studies Accel	AP Human Geography	AP World History	AP US History	IB History HL-2
	8th Soc Studies Accel	World History Honors Or Geography Honors	AP Human Geography	IB History HL-1	IB History HL-2
World Language	French 1 & 2 or Spanish 1&2	French 1&2 or Spanish 1&2 or German 1&2	French 3 or Spanish 3 or German 3	IB French SL-1 or IB Spanish SL-1 or IB German SL-1	IB French SL-2 or IB Spanish SL-2 or IB German SL-2
Electives	Computer Technology	PE Pers Hlth & Wellness Computer Technology Arts	PE Pers Hlth & Wellness Computer Technology Arts	IB Visual Art SL-1 IB Design Tech HL-1 IB Visual Arts HL-1 IB Theater HL-1 IB Film SL-1 IB Dance SL-1 IB Dance HL-1 IB Psychology HL-1	IB V. Art SL-2 (3rd crs) IB Theater HL-2 IB Film SL-2 IB Dance SL-2 IB Dance HL-2 IB Psychology HL-2

4/6/2020

APPENDIX B

High School Courses to Meet the Computer Science Graduation Requirement 2020-2021

Course Code	Course Name
471D	IB Computer Science SL
471B	IB Computer Science HL-1
471C	IB Computer Science HL-2
4771	AP Computer Science Applications
4775	AP Computer Science Principles
5023	Fundamentals of Computing
5025	IT Fundamentals
5031	Fundamentals of Web Page Design and Development
5033	Advanced Web Page Design and Development
5050	Computer Programming 1
5051	Computer Programming 2
5052	Computer Programming 1 with JAVA
5053	Computer Programming 2 with JAVA
5054	Computer Programming 1 with Visual Basic
5055	Computer Programming 2 with Visual Basic
5056	Computer Programming 1 with C++
5057	Computer Programming 2 with C++
5058	Java Fundamentals and Java Programming
5061	Discovering Computer Science
5310	Networking Fundamentals
5311	Advanced Networking
5320	Computer Repair and Services
5321	Advanced Computer Repair and Service
5322	Computer Operating Systems
5323	Advanced Computer Operating Systems
5324	Database Design and Programming with SQL
5326	Database Programming with PL/SQL
5327	SAS Programming 1
5328	SAS Programming 2
5350	Foundations of Animation
5351	Advanced Animation
5352	Game Design and Development
5361	GIS 1
5362	GIS 2
5370	Cybersecurity Fundamentals
5372	Advanced Cybersecurity
5374	Computer Forensics
6050	PLTW Principles of Engineering
6372	PLTW Computer Science Essentials
6373	PLTW Computer Science Applications
6377	PLTW Computer Science Principles
6378	PLTW Cybersecurity
5061	Discovering Computer Science
5062	Discovering Computer Science Part I (middle school, only)
5063	Discovering Computer Science Part II (middle school, only)

Updated 3/6/2020 from 2020-2021 ACS manual Appendix Q

APPENDIX C

Individual Graduation Plan (IGP) Worksheet

Name: _____ Current Grade Level: _____

Clusters: _____
Student Choice

_____
Indicated by Assessment

Majors: _____
[ ] Declare Only [ ]Intend to Complete

_____
[ ] Declare Only [ ]Intend to Complete

Schools of Study:

_____ Arts and Humanities

_____ Business & Information Systems

_____ Science, Tech, Engineering, Math

_____ Health, Human, Public Services

Postsecondary Plans: ☐ Workforce/Apprenticeship ☐ Two-Year College/Technical Training ☐ Four-Year College ☐ Military

Course	Ninth Grade	Tenth Grade	Eleventh Grade	Twelfth Grade
English: 4 units required	English 1	English 2	English 3	English 4
Math: 4 units required				
Science: 3 units required (3 lab science units required for 4 year college)	Biology 1			
Social Studies: 3 units required (1 social studies elective; US History; Government/Economics)			U. S. History	Government/ Economics
Physical Education, JROTC, or Marching Band with Physical Education: 1 unit required				
Health: .5 unit required				
Computer Science: 1 unit required				
World language or Career & Technical Education: 1 unit required				
Electives (Language Arts, mathematics, science, social studies, visual and performing arts, world language, career and technology, physical education, etc.)				

	Required Courses for Major (Four Credits Required)		Complementary Coursework

_____ _____ _____ _____
Student Signature Date Parent Signature Date

_____ _____
Counselor Signature Date

APPENDIX D

	AC Flora	Columbia	CA Johnson	Dreher	Eau Claire	Heyward	Keenan	Lower Richland	State/National Certification
Agriculture, Food, & Natural Resources									
Horticulture (010601)						•			•
Plant and Animal Systems (011101)							•		•
Architecture & Construction									
Building Construction Cluster (460000)						•			•
Arts, A/V & Communications									
Media Technology (100299)						•			+
Business, Management & Administration									
Administrative Services (520401) *						•			+
Business Information Management (521206) *	•							•	+
General Management (520201) *			•	•				•	+
Operations Management (520204) *					•		•		+
Education & Training									
Early Childhood Education (131210)					•				•
Finance									
Academy of Finance (520801)		•							+
Banking Services (520803) *		•							+
Business Finance (520804) *				•				•	+
Government and Public Administration									
Governance (440501) *							•		+
Health Science									
PLTW Biomedical Sciences (260102) *		•	•						•
Foundations of Public Health (5586)							•		
Advanced Principles of Public Health (5587)							•		
Health Science (510000) * *(CNA requires Clinical Studies)*		•	•			•		•	•
Sports Medicine (310505) *			•			•			•
Hospitality & Tourism									
Culinary Arts Management (520905) *						•		•	•
Hospitality and Tourism Management (520904)						•	•		•
Human Services/Family & Consumer Sciences									
Barber/Master Hair Care (120402)						•			•
Cosmetology (120401)						•		•	•
Family and Consumer Sciences (190101) *					•	•	•	•	•

	AC Flora	Columbia	CA Johnson	Dreher	Eau Claire	Heyward	Keenan	Lower Richland	State/National Certification
Information Technology									
PLTW Computer Science (110701)				•					•
Networking Systems (110901) *						•			•
Web and Digital Communications (110801) *	•							•	•
Law, Public Safety, Corrections & Security									
Emergency and Fire Management Services (430203)								•	•
Manufacturing									
Mechatronics Integrated Technologies (150404)						•			•
Welding Technology (480508)						•			•
Marketing									
Marketing Communications (090903) *						•			•
Science, Technology, Engineering & Mathematics									
Food Science (190501) *			•						•
PLTW Pre-Engineering (140101)	•	•		•			•	•	•
Transportation, Distribution & Logistics									
Automotive Technology (470604)						•			•
Commercial Driver's License (520203)					•				•
Diesel Engine Technology (470605)						•			•

LEGEND: ● **= Current majors as of 001/12/2021** **+ = MicroBurst EmployABILITY Credential** ***** **= Three Unit Completer**

APPENDIX E

Richland County School District One

2022-2023 CTE Curriculum Framework
Grades 9 – 12

School of Arts and Humanities	School of Business and Information Systems	School of Mathematics, Science, and Engineering	School of Health, Human, and Public Services
Arts, AV Technology & Communications Cluster Advanced Placement International Baccalaureate English History Journalism/Broadcasting Media Technology Performing Arts Visual Arts World Languages **Education & Training Cluster** Early Childhood Education Teaching and Training	**Business Management & Administration Cluster** Administrative Services Business Information Management General Management Operations Management **Finance Cluster** Academy of Finance Banking Services Business Finance **Hospitality & Tourism Cluster** Culinary Arts Management Hospitality and Tourism Management **Information Technology Cluster** Networking Systems PLTW Computer Science Web and Digital Communications **Marketing Cluster** Marketing Communications	**Agriculture, Food & Natural Resources Cluster** Horticulture Plant and Animal Systems **Architecture and Construction** Building Construction Cluster **Manufacturing** Mechatronics Integrated Technology Welding **Science, Technology, Engineering & Mathematics Cluster** Food Science PLTW Pre-Engineering Mathematics Science **Transportation, Distribution & Logistics Cluster** Automotive Technology Commercial Driver's License Diesel Engine Technology	**Government & Public Administration Cluster** Governance **Health Science Cluster** PLTW Biomedical Sciences Health Science Public Health Sports Medicine **Human Services Cluster** Barber/Master Hair Care Cosmetology Family and Consumer Sciences **Law, Public Safety, Corrections & Security Cluster** Emergency and Fire Management Services Law and Legal Services

Updated 08/22/2021

APPENDIX F

School of Arts and Humanities

Cluster of Study: Arts and Humanities | **Status Code:** EEDA

Major: Advanced Placement | **At:** ECHS, LRHS | **CIP Code:**

Required Core for Graduation	Sample Core Choices			
	Grade 9	**Grade 10**	**Grade 11**	**Grade 12**
English* 4 units	English 1	English 2	English 3	English 4
Math* 4 units	Algebra 1	Algebra 2 or Geometry	Probability/Statistics, Geometry, or Pre-Calculus	Pre-Calculus or Calculus
Science* 3 units	Biology	Chemistry or Other Lab Science	Physics or Other Lab Science	Other Lab Science
Social Studies* 3 units	One unit of Social Studies Elective		U.S. History	Economics/Government
Additional Graduation Requirements	PE; JROTC, or Marching Band (1 unit) Computer Science (1 unit) World Language or CTE (1 unit) Personal Health and Wellness (1/2 unit)		Electives (7 units)	

Required Courses for Major (4 credits required)	**Complementary Coursework**	**Extended Learning Opportunity Options Related to Major**
Any 4 Advanced Placement (AP) courses	IB Language B SL or HL 1,2 Performing Arts Psychology Pre-Calculus Research 1, 2HN Theory of Knowledge 1, 2 Art World Language 1, 2, 3, 3HN, 4HN, 5HN World Language AP	Career Mentoring Shadowing Internship Cooperative Education Career Information Delivery System Exposure Senior Project

Professional Opportunities Upon Graduation		
With High School Diploma	**With 2-Year Associates Degree**	**With 4-Year Degree and Higher**
Certified Medical Assistant Robotics Technician Real Estate Sales Agent Law Clerk	Executive Assistant Medical Interpreter Reporter Sales Manager	Attorney Computer Scientist Financial Manager / Planner Physician

*Course selection will depend on satisfying prerequisites.

School of Arts and Humanities

Cluster of Study: Arts and Humanities

Status Code: EEDA

Major: International Baccalaureate | **At:** ACFHS, LRHS | **CIP Code:**

Required Core for Graduation	Sample Core Choices			
	Grade 9	Grade 10	Grade 11	Grade 12
English* 4 units	English 1	English 2	English 3	English 4
Math* 4 units	Algebra 1	Algebra 2 or Geometry	Probability/Statistics, Geometry, or Pre-Calculus	Pre-Calculus or Calculus
Science* 3 units	Biology	Chemistry or Other Lab Science	Physics or Other Lab Science	Other Lab Science
Social Studies* 3 units	One unit of Social Studies Elective		U.S. History	Economics/Government
Additional Graduation Requirements	PE; JROTC, or Marching Band (1 unit) Computer Science (1 unit) World Language or CTE (1 unit) Personal Health and Wellness (1/2 unit)		Electives (7 units)	

Required Courses for Major (4 credits required)	Complementary Coursework	Extended Learning Opportunity Options Related to Major
English/Language Arts: IB English HL 1&2 **Math**: IB Math HL, SL, or Studies SL 1 & 2 **Science**: IB Biology HL 1 & 2, IB Design Technology HL 1 & 2 or IB Physics SL or IB Biology SL **Social Studies**: IB History HL 1 & HL 2 **World language**: IB German, French, or Spanish SL 1 & SL 2 IB Additional Course (one): IB Geography HL 1 & 2, IB Visual Arts HL 1 & 2, IB Visual Arts SL, IB Dance SL, IB Theatre SL, IB Psychology **IB Core Requirements**: Theory of Knowledge 1 & 2, CAS, Extended Essay Reflective Project Service Learning Language Development Portfolio		Career Mentoring Shadowing Internship Senior Project

Professional Opportunities Upon Graduation

With High School Diploma	With 2-Year Associates Degree	With 4-Year Degree and Higher
Real Estate Law Clerk Sales Clerk	Executive Assistant Sales Manager	Attorney Research Scientist Computer Scientist Physician

*Course selection will depend on satisfying prerequisites.

School of Arts and Humanities

Cluster of Study: Arts and Humanities

Status Code: EEDA

Major: English | **At:** ALL | **CIP Code:**

Required Core for Graduation	Sample Core Choices			
	Grade 9	**Grade 10**	**Grade 11**	**Grade 12**
English* 4 units	English 1	English 2	English 3	English 4
Math* 4 units	Algebra 1	Algebra 2 or Geometry	Probability/Statistics, Geometry, or Pre-Calculus	Pre-Calculus or Calculus
Science* 3 units	Biology	Chemistry or Other Lab Science	Physics or Other Lab Science	Other Lab Science
Social Studies* 3 units	One unit of Social Studies Elective		U.S. History	Economics/Government
Additional Graduation Requirements	PE; JROTC, or Marching Band (1 unit) Computer Science (1 unit) World Language or CTE (1 unit) Personal Health and Wellness (1/2 unit)		Electives (7 units)	

Required Courses for Major (**4** credits required)	**Complementary Coursework**	**Extended Learning Opportunity Options Related to Major**
English 3 Honors English 4 Honors AP English Language and Composition AP English Literature and Composition IB English HL-2 ENG 101 ENG 102 Journalism 2 Speech and Multimedia Theatre 2	IB Language B SL or HL 1, 2 Journalism 1 Music Theory 1 Performing Arts Theatre 1 Visual Arts World Language 1, 2, 3, 3HN, 4HN, 5HN	Career Mentoring Shadowing Internship Cooperative Education Career Information Delivery System Exposure Senior Project

Professional Opportunities Upon Graduation

With High School Diploma	**With 2-Year Associates Degree**	**With 4-Year Degree and Higher**
Receptionist Sales Associate Library Assistant Clerical Assistant	Office Assistant Manager Sales Associate Clerical Assistant	Educator Public Relations Specialist Writer Editor

*Course selection will depend on satisfying prerequisites.

School of Arts and Humanities

Cluster of Study: Arts and Humanities

Status Code: EEDA

Major: History | **At:** ALL | **CIP Code:**

Required Core for Graduation	Sample Core Choices			
	Grade 9	**Grade 10**	**Grade 11**	**Grade 12**
English* 4 units	English 1	English 2	English 3	English 4
Math* 4 units	Algebra 1	Algebra 2 or Geometry	Probability/Statistics, Geometry, or Pre-Calculus	Pre-Calculus or Calculus
Science* 3 units	Biology	Chemistry or Other Lab Science	Physics or Other Lab Science	Other Lab Science
Social Studies* 3 units	One unit of Social Studies Elective		U.S. History	Economics/Government
Additional Graduation Requirements	PE; JROTC, or Marching Band (1 unit) Computer Science (1 unit) World Language or CTE (1 unit) Personal Health and Wellness (1/2 unit)		Electives (7 units)	

Required Courses for Major (**4** credits required)	**Complementary Coursework**	**Extended Learning Opportunity Options Related to Major**
AP European History AP Human Geography AP US History AP World History World History Honors	Environmental Science IB Language B SL or HL 1, 2 Journalism 1, 2 Music Theory 1 Performing Arts Visual Arts World Language 1, 2, 3, 3HN, 4HN, 5HN	Career Mentoring Shadowing Internship Cooperative Education Career Information Delivery System Exposure Senior Project

Professional Opportunities Upon Graduation

With High School Diploma	**With 2-Year Associates Degree**	**With 4-Year Degree and Higher**
Clerical Assistant File Clerk Library Assistant	Congressional Aide Copy Writer Museum Tour Guide	Editor Creative Writer Social Studies Teacher

*Course selection will depend on satisfying prerequisites.

School of Arts and Humanities

Cluster of Study: Arts and Humanities

Status Code: EEDA

Major: Journalism/Broadcasting | **At:** ALL | **CIP Code:**

Required Core for Graduation	Sample Core Choices			
	Grade 9	Grade 10	Grade 11	Grade 12
English* 4 units	English 1	English 2	English 3	English 4
Math* 4 units	Algebra 1	Algebra 2 or Geometry	Probability/Statistics, Geometry, or Pre-Calculus	Pre-Calculus or Calculus
Science* 3 units	Biology	Chemistry or Other Lab Science	Physics or Other Lab Science	Other Lab Science
Social Studies* 3 units	One unit of Social Studies Elective		U.S. History	Economics/Government
Additional Graduation Requirements	PE; JROTC, or Marching Band (1 unit) Computer Science (1 unit) World Language or CTE (1 unit) Personal Health and Wellness (1/2 unit)		Electives (7 units)	

Required Courses for Major (4 credits required)	Complementary Coursework	Extended Learning Opportunity Options Related to Major
Broadcast Journalism 1, 2, 3, 4 Documentary Production Documentary Workshop Journalism 1 Journalism 2 Yearbook Production 1 Yearbook Production 2 Speech Speech and Multimedia Survey of African-American Literature Survey of Radio/TV/Film 1 Survey of Radio/TV/Film 2	Digital Desktop Publishing Theatre courses Art courses World Language courses Social Studies courses	Career Mentoring Shadowing Internship Cooperative Education Career Information Delivery System Exposure Senior Project

Professional Opportunities Upon Graduation

With High School Diploma	With 2-Year Associates Degree	With 4-Year Degree and Higher
Disc Jockey Broadcast Technician Audio/Video Operator	Proofreader Reporter Sound Engineering Technician	Journalist Television Anchor Station Manager

*Course selection will depend on satisfying prerequisites.

School of Arts and Humanities

Cluster of Study: Arts and Humanities

Status Code: EEDA

Major: Performing Arts | **At:** ALL | **CIP Code:**

Required Core for Graduation	Sample Core Choices			
	Grade 9	**Grade 10**	**Grade 11**	**Grade 12**
English* 4 units	English 1	English 2	English 3	English 4
Math* 4 units	Algebra 1	Algebra 2 or Geometry	Probability/Statistics, Geometry, or Pre-Calculus	Pre-Calculus or Calculus
Science* 3 units	Biology	Chemistry or Other Lab Science	Physics or Other Lab Science	Other Lab Science
Social Studies* 3 units	One unit of Social Studies Elective		U.S. History	Economics/Government
Additional Graduation Requirements	PE; JROTC, or Marching Band (1 unit) Computer Science (1 unit) World Language or CTE (1 unit) Personal Health and Wellness (1/2 unit)		Electives (7 units)	

Required Courses for Major (**4** credits required)	**Complementary Coursework**	**Extended Learning Opportunity Options Related to Major**
Band-Concert 1, 2, 3, 4, 3H, 4H Band-Marching 1, 2, 3, 4, 3H, 4H Band-Jazz Band 1, 2, 3, 4 Guitar 1, 2, 3, 4, 3H, 4H Chorus 1, 2, 3, 4, 3H, 4H Dance 1, 2, 3, 4, 3H, 4H Orchestra-Strings 1, 2, 3, 4, 3H, 4H Theatre 1, 2, 3, 4, 3H, 4H IB Music courses IB Dance courses IB Theatre course AP Music Theory	Music Appreciation 1 Music Theory World Music 1, 2 Piano 1, 2 Technical Theatre Arts	Honors Projects Senior Projects School Performing Ensembles / Companies District, Region, State, National Music, Dance, and/or Theatre Ensembles / Competitions Community Performing Arts Groups

Professional Opportunities Upon Graduation

With High School Diploma	**With 2-Year Associates Degree**	**With 4-Year Degree and Higher**
Accompanist Musician Singer	Private Studio Instructor Theatre Supply Sales Technician	Arts Educator Choreographer Composer

*Course selection will depend on satisfying prerequisites.

School of Arts and Humanities

Cluster of Study: Arts and Humanities

Status Code: EEDA

Major: Visual Arts | **At:** ALL | **CIP Code:**

Required Core for Graduation	Sample Core Choices			
	Grade 9	**Grade 10**	**Grade 11**	**Grade 12**
English* 4 units	English 1	English 2	English 3	English 4
Math* 4 units	Algebra 1	Algebra 2 or Geometry	Probability/Statistics, Geometry, or Pre-Calculus	Pre-Calculus or Calculus
Science* 3 units	Biology	Chemistry or Other Lab Science	Physics or Other Lab Science	Other Lab Science
Social Studies* 3 units	One unit of Social Studies Elective		U.S. History	Economics/Government
Additional Graduation Requirements	PE; JROTC, or Marching Band (1 unit) Computer Science (1 unit) World Language or CTE (1 unit) Personal Health and Wellness (1/2 unit)		Electives (7 units)	

Required Courses for Major (**4** credits required)	**Complementary Coursework**	**Extended Learning Opportunity Options Related to Major**
English 3 Honors English 4 Honors AP English Language and Composition AP English Literature and Composition IB English HL-2 ENG 101 ENG 102 Journalism 2 Speech and Multimedia Theatre 2	IB Language B SL or HL 1, 2 Journalism 1 Music Theory 1 Performing Arts Theatre 1 Visual Arts World Language 1, 2, 3, 3HN, 4HN, 5HN	Honors Project Senior Project School, District, Region, State Art Exhibits Juried Exhibitions Community Exhibitions

Professional Opportunities Upon Graduation

With High School Diploma	**With 2-Year Associates Degree**	**With 4-Year Degree and Higher**
Artist Art Supplies Sales Muralist Photographer Ceramist	Art Writer Art Events Coordinator Gallery Assistant	Art Educator Art Collection Administrator Artistic Programs Director

*Course selection will depend on satisfying prerequisites.

School of Arts and Humanities

Cluster of Study: Arts and Humanities

Status Code: EEDA

Major: World Languages | **At:** ALL | **CIP Code:**

Required Core for Graduation	Sample Core Choices			
	Grade 9	**Grade 10**	**Grade 11**	**Grade 12**
English* 4 units	English 1	English 2	English 3	English 4
Math* 4 units	Algebra 1	Algebra 2 or Geometry	Probability/Statistics, Geometry, or Pre-Calculus	Pre-Calculus or Calculus
Science* 3 units	Biology	Chemistry or Other Lab Science	Physics or Other Lab Science	Other Lab Science
Social Studies* 3 units	One unit of Social Studies Elective		U.S. History	Economics/Government
Additional Graduation Requirements	PE; JROTC, or Marching Band (1 unit) Computer Science (1 unit) World Language or CTE (1 unit) Personal Health and Wellness (1/2 unit)		Electives (7 units)	

Required Courses for Major (**4** credits required)	**Complementary Coursework**	**Extended Learning Opportunity Options Related to Major**
French 1, 2, 3, 3HN, 4HN, 5HN, AP, IB OR German 1, 2, 3, 3HN, 4HN, 5HN, IB OR Latin 1, 2, 3, 3HN, 4HN, IB OR Spanish 1, 2, 3, 3HN, 4HN, 4AP, 5HN, 5AP, IB – HIS Chinese 1, 2, 3, 3HN, 4HN OR Any combination of 4 credits from the above	Art History Current Issues Digital Desktop Publishing Entrepreneurship European History AP IB Language B SL or HL 1, 2 Performing Arts Second World Language 1, 2, 3, 3HN, 4HN, 5HN, AP Theory of Knowledge 1, 2 Visual Arts Web Page Design and Development 1, 2	Career Mentoring Shadowing Internship Cooperative Education Career Information Delivery System Exposure Senior Project

Professional Opportunities Upon Graduation

With High School Diploma	**With 2-Year Associates Degree**	**With 4-Year Degree and Higher**
Tour Guide and Escort Armed Forces Language Specialist Foreign Aid Worker	Travel Agent Immigration and Customs Inspector Intelligence Specialist	World Language Teacher Interpreter / Translator International Business Consultant

*Course selection will depend on satisfying prerequisites.

School of Arts and Humanities

Cluster of Study: Education and Training

Status Code: CCR

Major: Early Childhood Education | **At:** ECHS | **CIP Code:** 131210

Required Core for Graduation	Sample Core Choices			
	Grade 9	**Grade 10**	**Grade 11**	**Grade 12**
English* 4 units	English 1	English 2	English 3	English 4
Math* 4 units	Algebra 1	Algebra 2 or Geometry	Probability/Statistics, Geometry, or Pre-Calculus	Pre-Calculus or Calculus
Science* 3 units	Biology	Chemistry or Other Lab Science	Physics or Other Lab Science	Other Lab Science
Social Studies* 3 units	One unit of Social Studies Elective		U.S. History	Economics/Government
Additional Graduation Requirements	PE; JROTC, or Marching Band (1 unit) Computer Science (1 unit) World Language or CTE (1 unit) Personal Health and Wellness (1/2 unit)		Electives (7 units)	

Required Courses for Major (**4** credits required)	**Complementary Coursework**	**Extended Learning Opportunity Options Related to Major**
Early Childhood Education 1 Early Childhood Education 2 Plus 2 of the following: Introduction to Early Childhood Education CTE Dual-Enrollment Teacher Cadet (CTE only completers) Child Development 1 Family and Consumer Science 1 Digital Workplace Applications Education and Training Internship, Work-based Credit Dual-Enrollment Introduction to Early Childhood Education (ECD 101 Early Childhood)		Career Mentoring Shadowing Internship Cooperative Education Career Information Delivery System Exposure Senior Project

Professional Opportunities Upon Graduation

With High School Diploma	**With 2-Year Associates Degree**	**With 4-Year Degree and Higher**
Child Care Provider Preschool Aide Recreation Aide	Child Care Owner Teaching Assistant Therapy Assistant	Counselor Principal Teacher

*Course selection will depend on satisfying prerequisites.

School of Arts and Humanities

Cluster of Study: Arts and Humanities

Status Code: EEDA

Major: Teaching and Training | **At:** ALL | **CIP Code:**

Required Core for Graduation	Sample Core Choices			
	Grade 9	Grade 10	Grade 11	Grade 12
English* 4 units	English 1	English 2	English 3	English 4
Math* 4 units	Algebra 1	Algebra 2 or Geometry	Probability/Statistics, Geometry, or Pre-Calculus	Pre-Calculus or Calculus
Science* 3 units	Biology	Chemistry or Other Lab Science	Physics or Other Lab Science	Other Lab Science
Social Studies* 3 units	One unit of Social Studies Elective		U.S. History	Economics/Government
Additional Graduation Requirements	PE; JROTC, or Marching Band (1 unit) Computer Science (1 unit) World Language or CTE (1 unit) Personal Health and Wellness (1/2 unit)		Electives (7 units)	

Required Courses for Major (4 credits required)	Complementary Coursework	Extended Learning Opportunity Options Related to Major
Teacher Cadet Program OR Coaches in Training Plus 3 from the following: Psychology Psychology 101 or Psychology AP Public Speaking Sociology	Creative Writing IB Language B SL or HL 1, 2 JROTC 1, 2, 3, 4 Media Technology 1, 2 Performing Arts Personal Finance Theatre 1 Theory of Knowledge 1, 2 Visual Arts Web Page Design and Development 2 Human Geography Modern World History World Language 1, 2, 3, 3HN, 4HN, 5HN World Language AP	Career Mentoring Shadowing Internship Cooperative Education Career Information Delivery System Exposure Senior Project

Professional Opportunities Upon Graduation

With High School Diploma	With 2-Year Associates Degree	With 4-Year Degree and Higher
Childcare Worker Preschool Worker Recreation Assistant	Library Technician Instructional Assistant Training Manager	Teacher Statistician Librarian

*Course selection will depend on satisfying prerequisites.

School of Arts and Humanities

Cluster of Study: Arts, Audio-Visual Technology, and Communications

Status Code: CCR

Major: Media Technology | **At:** Heyward | **CIP Code:** 100299

Required Core for Graduation	Sample Core Choices			
	Grade 9	**Grade 10**	**Grade 11**	**Grade 12**
English* 4 units	English 1	English 2	English 3	English 4
Math* 4 units	Algebra 1	Algebra 2 or Geometry	Probability/Statistics, Geometry, or Pre-Calculus	Pre-Calculus or Calculus
Science* 3 units	Biology	Chemistry or Other Lab Science	Physics or Other Lab Science	Other Lab Science
Social Studies* 3 units	One unit of Social Studies Elective		U.S. History	Economics/Government
Additional Graduation Requirements	PE; JROTC, or Marching Band (1 unit) Computer Science (1 unit) World Language or CTE (1 unit) Personal Health and Wellness (1/2 unit)		Electives (7 units)	

Required Courses for Major (**4** credits required)	**Complementary Coursework**	**Extended Learning Opportunity Options Related to Major**
Media Technology 1 Media Technology 2 Media Technology 3 Arts, Audio-Video Technology and Communications Internship, work-based credit		Career Mentoring Shadowing Internship Cooperative Education Career Information Delivery System Exposure Senior Project

Professional Opportunities Upon Graduation

With High School Diploma	**With 2-Year Associates Degree**	**With 4-Year Degree and Higher**
Audio Systems Operator Camera Operator News Reporter Technician Assistant	Audio Systems Technician Broadcast Journalist Video Systems Technician	Audio-Video Designer Audio-Video Engineer Special Effects Technician TV Broadcaster

*Course selection will depend on satisfying prerequisites.

School of Business, Management, and Information Systems

Cluster of Study: Business Management and Administration | **Status Code:** CCR

Major: Administrative Services | **At:** Heyward | **CIP Code:** 520401

Required Core for Graduation	Sample Core Choices			
	Grade 9	**Grade 10**	**Grade 11**	**Grade 12**
English* 4 units	English 1	English 2	English 3	English 4
Math* 4 units	Algebra 1	Algebra 2 or Geometry	Probability/Statistics, Geometry, or Pre-Calculus	Pre-Calculus or Calculus
Science* 3 units	Biology	Chemistry or Other Lab Science	Physics or Other Lab Science	Other Lab Science
Social Studies* 3 units	One unit of Social Studies Elective		U.S. History	Economics/Government
Additional Graduation Requirements	PE; JROTC, or Marching Band (1 unit) Computer Science (1 unit) World Language or CTE (1 unit) Personal Health and Wellness (1/2 unit)		Electives (7 units)	

Required Courses for Major (3 credits required)	**Complementary Coursework**	**Extended Learning Opportunity Options Related to Major**
Administrative Support Technology Digital Workplace Applications Plus 1 of the following: Business Law Entrepreneurship Business Management and Administration Internship, Work-based Credit Dual Enrollment Business Law (BUS 121) (TSTM 240) - Replaces Business Law Dual Enrollment Microcomputer Applications or Intro to Computer Technology (CPT 170, CSCIU 138, CPT 101, CPSC 1200, CSCI 105) - Replaces IBA 1		Career Mentoring Shadowing Internship Cooperative Education Career Information Delivery System Exposure Senior Project

Professional Opportunities Upon Graduation

With High School Diploma	**With 2-Year Associates Degree**	**With 4-Year Degree and Higher**
Administrative Supporter Information Processing Specialist Receptionist	Administrative Assistant Data Entry Specialist Executive Assistant Front Office Assistant	Educator Executive Assistant Information Systems Manager Office Manager

*Course selection will depend on satisfying prerequisites.

School of Business, Management, and Information Systems

Cluster of Study: Business Management and Administration | **Status Code:** CCR

Major: Business Information Management | **At:** ACFHS | **CIP Code:** 521206

Required Core for Graduation	Sample Core Choices			
	Grade 9	**Grade 10**	**Grade 11**	**Grade 12**
English* 4 units	English 1	English 2	English 3	English 4
Math* 4 units	Algebra 1	Algebra 2 or Geometry	Probability/Statistics, Geometry, or Pre-Calculus	Pre-Calculus or Calculus
Science* 3 units	Biology	Chemistry or Other Lab Science	Physics or Other Lab Science	Other Lab Science
Social Studies* 3 units	One unit of Social Studies Elective		U.S. History	Economics/Government
Additional Graduation Requirements	PE; JROTC, or Marching Band (1 unit) Computer Science (1 unit) World Language or CTE (1 unit) Personal Health and Wellness (1/2 unit)		Electives (7 units)	

Required Courses for Major (**3** credits required)	**Complementary Coursework**	**Extended Learning Opportunity Options Related to Major**
Image Editing 1 Digital Publication Design Plus 1 of the following: Accounting 1 Entrepreneurship Digital Workplace Applications Digital Technologies Digital Multimedia Fundamentals of Web Page Design and Development Business Management and Administration Internship, Work-based Credit Dual Enrollment Business Law (BUS 121) (TSTM 240) - Replaces Business Law Dual Enrollment Microcomputer Applications or Intro to Computer Technology (CPT 170, CSCIU 138, CPT 101, CPSC 1200, CSCI 105) - Replaces IBA 1		Career Mentoring Shadowing Internship Cooperative Education Career Information Delivery System Exposure Senior Project

Professional Opportunities Upon Graduation

With High School Diploma	**With 2-Year Associates Degree**	**With 4-Year Degree and Higher**
Information Processing Specialist Multimedia Specialist Website Maintenance Specialist	Office Manager Web Page Developer Web Page Designer	Educator Webmaster Software Applications Manager

*Course selection will depend on satisfying prerequisites.

School of Business, Management, and Information Systems

Cluster of Study: Business Management and Administration | **Status Code:** CCR

Major: General Management | **At:** CAJ, DHS, LRHS | **CIP Code:** 520201

Required Core for Graduation	Sample Core Choices			
	Grade 9	**Grade 10**	**Grade 11**	**Grade 12**
English* 4 units	English 1	English 2	English 3	English 4
Math* 4 units	Algebra 1	Algebra 2 or Geometry	Probability/Statistics, Geometry, or Pre-Calculus	Pre-Calculus or Calculus
Science* 3 units	Biology	Chemistry or Other Lab Science	Physics or Other Lab Science	Other Lab Science
Social Studies* 3 units	One unit of Social Studies Elective		U.S. History	Economics/Government
Additional Graduation Requirements	PE; JROTC, or Marching Band (1 unit) Computer Science (1 unit) World Language or CTE (1 unit) Personal Health and Wellness (1/2 unit)		Electives (7 units)	

Required Courses for Major (3 credits required)	**Complementary Coursework**	**Extended Learning Opportunity Options Related to Major**
Accounting 1 Entrepreneurship Plus 1 of the following: Business Finance Business Law Digital Workplace Applications International Business Marketing Virtual Enterprise 1 Virtual Enterprise 2 Fundamentals of Web Page Design and Development Business Management and Administration Internship, Work-based Credit Dual Enrollment Business Law (BUS 121) (TSTM 240) - Replaces Business Law Dual Enrollment Microcomputer Applications or Intro to Computer Technology (CPT 170, CSCIU 138, CPT 101, CPSC 1200, CSCI 105) - Replaces IBA 1 Introduction to Marketing (MKT 101) - Replaces Marketing		Career Mentoring Shadowing Internship Cooperative Education Career Information Delivery System Exposure Senior Project

Professional Opportunities Upon Graduation

With High School Diploma	**With 2-Year Associates Degree**	**With 4-Year Degree and Higher**
Receptionist Office Clerk	Store Manager Human Resource Manager	Chief Executive Operations Manager General Manager

*Course selection will depend on satisfying prerequisites.

School of Business, Management, and Information Systems

Cluster of Study: Business Management and Administration

Status Code: CCR

Major: Operations Management | **At:** ECHS, KJHS | **CIP Code:** 520204

Required Core for Graduation	Sample Core Choices			
	Grade 9	**Grade 10**	**Grade 11**	**Grade 12**
English* 4 units	English 1	English 2	English 3	English 4
Math* 4 units	Algebra 1	Algebra 2 or Geometry	Probability/Statistics, Geometry, or Pre-Calculus	Pre-Calculus or Calculus
Science* 3 units	Biology	Chemistry or Other Lab Science	Physics or Other Lab Science	Other Lab Science
Social Studies* 3 units	One unit of Social Studies Elective		U.S. History	Economics/Government
Additional Graduation Requirements	PE; JROTC, or Marching Band (1 unit) Computer Science (1 unit) World Language or CTE (1 unit) Personal Health and Wellness (1/2 unit)		Electives (7 units)	

Required Courses for Major (3 credits required)	**Complementary Coursework**	**Extended Learning Opportunity Options Related to Major**
Virtual Enterprise 1 Virtual Enterprise 2 Plus 1 of the following: Entrepreneurship Business Law Digital Workplace Applications International Business Accounting 1 Marketing Business Management and Administration Internship, Work-based Credit Dual Enrollment Business Law (BUS 121) (TSTM 240) - Replaces Business Law Dual Enrollment Microcomputer Applications or Intro to Computer Technology (CPT 170, CSCIU 138, CPT 101, CPSC 1200, CSCI 105) - Replaces IBA 1 Introduction to Marketing (MKT 101) - Replaces Marketing		Career Mentoring Shadowing Internship Cooperative Education Career Information Delivery System Exposure Senior Project

Professional Opportunities Upon Graduation

With High School Diploma	**With 2-Year Associates Degree**	**With 4-Year Degree and Higher**
Bank Teller Customer Service Representative Sales Associate	Assistant Store Manager Customer Service Supervisor Office Manager	Chief Executive Officer Educator Entrepreneur

*Course selection will depend on satisfying prerequisites.

School of Business, Management, and Information Systems

Cluster of Study: Finance | **Status Code:** CCR

Major: Academy of Finance | **At:** CHS | **CIP Code:** 520801

Required Core for Graduation	Sample Core Choices			
	Grade 9	**Grade 10**	**Grade 11**	**Grade 12**
English* 4 units	English 1	English 2	English 3	English 4
Math* 4 units	Algebra 1	Algebra 2 or Geometry	Probability/Statistics, Geometry, or Pre-Calculus	Pre-Calculus or Calculus
Science* 3 units	Biology	Chemistry or Other Lab Science	Physics or Other Lab Science	Other Lab Science
Social Studies* 3 units	One unit of Social Studies Elective		U.S. History	Economics/Government
Additional Graduation Requirements	PE; JROTC, or Marching Band (1 unit) Computer Science (1 unit) World Language or CTE (1 unit) Personal Health and Wellness (1/2 unit)		Electives (7 units)	

Required Courses for Major (4 credits required)	**Complementary Coursework**	**Extended Learning Opportunity Options Related to Major**
Banking Services Personal Finance Business Finance Plus 1 of the following: Entrepreneurship Discovering Computer Science Fundamentals of Web Page Design and Development		Career Mentoring Shadowing Internship Cooperative Education Career Information Delivery System Exposure Senior Project

Professional Opportunities Upon Graduation

With High School Diploma	**With 2-Year Associates Degree**	**With 4-Year Degree and Higher**
Bank Teller Bookkeeping Clerk Medical Billing Clerk Payroll Clerk	Accountant Auditor Financial Agent Credit Manager	Certified Public Accountant Chief Financial Officer Educator Financial Planner

*Course selection will depend on satisfying prerequisites.

School of Business, Management, and Information Systems

Cluster of Study: Finance

Status Code: CCR

Major: Banking Services | **At:** CHS, DHS | **CIP Code:** 520803

Required Core for Graduation	Sample Core Choices			
	Grade 9	**Grade 10**	**Grade 11**	**Grade 12**
English* 4 units	English 1	English 2	English 3	English 4
Math* 4 units	Algebra 1	Algebra 2 or Geometry	Probability/Statistics, Geometry, or Pre-Calculus	Pre-Calculus or Calculus
Science* 3 units	Biology	Chemistry or Other Lab Science	Physics or Other Lab Science	Other Lab Science
Social Studies* 3 units	One unit of Social Studies Elective		U.S. History	Economics/Government
Additional Graduation Requirements	PE; JROTC, or Marching Band (1 unit) Computer Science (1 unit) World Language or CTE (1 unit) Personal Health and Wellness (1/2 unit)		Electives (7 units)	

Required Courses for Major (3 credits required)	**Complementary Coursework**	**Extended Learning Opportunity Options Related to Major**
Banking Services Business Finance Plus 1 of the following: Accounting 1 Personal Finance Business Law Marketing Entrepreneurship Digital Workplace Applications Dual Enrollment Business Law (BUS 121) (TSTM 240) - Replaces Business Law Dual Enrollment Microcomputer Applications or Intro to Computer Technology (CPT 170, CSCIU 138, CPT 101, CPSC 1200, CSCI 105) - Replaces IBA 1 Introduction to Marketing (MKT 101) - Replaces Marketing		Career Mentoring Shadowing Internship Cooperative Education Career Information Delivery System Exposure Senior Project

Professional Opportunities Upon Graduation

With High School Diploma	**With 2-Year Associates Degree**	**With 4-Year Degree and Higher**
Bank Teller Bookkeeping Clerk Medical Billing Clerk Payroll Clerk	Accountant Auditor Financial Agent Credit Manager	Certified Public Accountant Chief Financial Officer Educator Financial Planner

*Course selection will depend on satisfying prerequisites.

School of Business, Management, and Information Systems

Cluster of Study: Finance | **Status Code: CCR**

Major: Business Finance | **At: DHS, LRHS** | **CIP Code: 520804**

Required Core for Graduation	Sample Core Choices			
	Grade 9	**Grade 10**	**Grade 11**	**Grade 12**
English* 4 units	English 1	English 2	English 3	English 4
Math* 4 units	Algebra 1	Algebra 2 or Geometry	Probability/Statistics, Geometry, or Pre-Calculus	Pre-Calculus or Calculus
Science* 3 units	Biology	Chemistry or Other Lab Science	Physics or Other Lab Science	Other Lab Science
Social Studies* 3 units	One unit of Social Studies Elective		U.S. History	Economics/Government
Additional Graduation Requirements	PE; JROTC, or Marching Band (1 unit) Computer Science (1 unit) World Language or CTE (1 unit) Personal Health and Wellness (1/2 unit)		Electives (7 units)	

Required Courses for Major (3 credits required)	**Complementary Coursework**	**Extended Learning Opportunity Options Related to Major**
Accounting 1 Business Finance Plus 1 of the following: Accounting 2 Digital Workplace Applications Banking Services Personal Finance Entrepreneurship Marketing Business Law Dual Enrollment Business Law (BUS 121) (TSTM 240) - Replaces Business Law Dual Enrollment Microcomputer Applications or Intro to Computer Technology (CPT 170, CSCIU 138, CPT 101, CPSC 1200, CSCI 105) - Replaces IBA 1 Introduction to Marketing (MKT 101) - Replaces Marketing		Career Mentoring Shadowing Internship Cooperative Education Career Information Delivery System Exposure Senior Project

Professional Opportunities Upon Graduation

With High School Diploma	**With 2-Year Associates Degree**	**With 4-Year Degree and Higher**
Booking Clerk Medical Billing Clerk Payroll Clerk Loan Processor	Auditor Accountant Financial Services Agent Credit Analyst	Branch Manager Certified Public Accountant Chief Financial Officer Financial Planner

*Course selection will depend on satisfying prerequisites.

School of Business, Management, and Information Systems

Cluster of Study: Hospitality and Tourism

Status Code: CCR

Major: Culinary Arts Management | **At:** LRHS, Heyward | **CIP Code:** 520905

Required Core for Graduation	Sample Core Choices			
	Grade 9	**Grade 10**	**Grade 11**	**Grade 12**
English* 4 units	English 1	English 2	English 3	English 4
Math* 4 units	Algebra 1	Algebra 2 or Geometry	Probability/Statistics, Geometry, or Pre-Calculus	Pre-Calculus or Calculus
Science* 3 units	Biology	Chemistry or Other Lab Science	Physics or Other Lab Science	Other Lab Science
Social Studies* 3 units	One unit of Social Studies Elective		U.S. History	Economics/Government
Additional Graduation Requirements	PE; JROTC, or Marching Band (1 unit) Computer Science (1 unit) World Language or CTE (1 unit) Personal Health and Wellness (1/2 unit)		Electives (7 units)	

Required Courses for Major (3 credits required)	**Complementary Coursework**	**Extended Learning Opportunity Options Related to Major**
Culinary Arts Management 1 Culinary Arts Management 2 Plus 1 of the following: Introduction to Culinary Arts Management Entrepreneurship Foods and Nutrition 1 Hospitality and Tourism Internship, Work-based Credit	Introduction to Hospitality and Tourism Management	Career Mentoring Shadowing Internship Cooperative Education Career Information Delivery System Exposure Senior Project

Professional Opportunities Upon Graduation

With High School Diploma	**With 2-Year Associates Degree**	**With 4-Year Degree and Higher**
Cruise Ship Worker Front Desk Clerk Hostess	Caterer Food and Beverage Services Manager Restaurant Manager	Chef Dietician/Nutritionist Hotel Manager Restaurant Manager

*Course selection will depend on satisfying prerequisites.

School of Business, Management, and Information Systems

Cluster of Study: Hospitality and Tourism | **Status Code:** CCR

Major: Hospitality and Tourism Management | **At:** Keenan, Heyward | **CIP Code:** 520904

Required Core for Graduation	Sample Core Choices			
	Grade 9	**Grade 10**	**Grade 11**	**Grade 12**
English* 4 units	English 1	English 2	English 3	English 4
Math* 4 units	Algebra 1	Algebra 2 or Geometry	Probability/Statistics, Geometry, or Pre-Calculus	Pre-Calculus or Calculus
Science* 3 units	Biology	Chemistry or Other Lab Science	Physics or Other Lab Science	Other Lab Science
Social Studies* 3 units	One unit of Social Studies Elective		U.S. History	Economics/Government
Additional Graduation Requirements	PE; JROTC, or Marching Band (1 unit) Computer Science (1 unit) World Language or CTE (1 unit) Personal Health and Wellness (1/2 unit)		Electives (7 units)	

Required Courses for Major (3 credits required)	**Complementary Coursework**	**Extended Learning Opportunity Options Related to Major**
Introduction to Hospitality and Tourism Management At least two of the following: Event and Entertainment Management Lodging Management Travel and Tourism Management	Introduction to Culinary Arts Management	Career Mentoring Shadowing Internship Cooperative Education Career Information Delivery System Exposure Senior Project

Professional Opportunities Upon Graduation

With High School Diploma	**With 2-Year Associates Degree**	**With 4-Year Degree and Higher**
Cruise Ship Worker Front Desk Clerk Hostess	Food and Beverage Services Manager Restaurant Manager	Event Planner Hotel Manager

*Course selection will depend on satisfying prerequisites.

School of Business, Management, and Information Systems

Cluster of Study: Marketing | **Status Code:** CCR

Major: Marketing Communications | **At:** Heyward | **CIP Code:** 090903

Required Core for Graduation	Sample Core Choices			
	Grade 9	**Grade 10**	**Grade 11**	**Grade 12**
English* 4 units	English 1	English 2	English 3	English 4
Math* 4 units	Algebra 1	Algebra 2 or Geometry	Probability/Statistics, Geometry, or Pre-Calculus	Pre-Calculus or Calculus
Science* 3 units	Biology	Chemistry or Other Lab Science	Physics or Other Lab Science	Other Lab Science
Social Studies* 3 units	One unit of Social Studies Elective		U.S. History	Economics/Government
Additional Graduation Requirements	PE; JROTC, or Marching Band (1 unit) Computer Science (1 unit) World Language or CTE (1 unit) Personal Health and Wellness (1/2 unit)		Electives (7 units)	

Required Courses for Major (3 credits required)	**Complementary Coursework**	**Extended Learning Opportunity Options Related to Major**
Marketing Digital Media Marketing Plus 1 of the following: Entrepreneurship Digital Workplace Applications Dual Enrollment Microcomputer Applications or Intro to Computer Technology (CPT 170, CSCIU 138, CPT 101, CPSC 1200, CSCI 105) - Replaces IBA 1 Introduction to Marketing (MKT 101) - Replaces Marketing		Career Mentoring Shadowing Internship Cooperative Education Career Information Delivery System Exposure Senior Project

Professional Opportunities Upon Graduation

With High School Diploma	**With 2-Year Associates Degree**	**With 4-Year Degree and Higher**
Retail Sales Person Cashier	Real Estate Manager Community Association Manager	Advertising Manager Marketing Manager

*Course selection will depend on satisfying prerequisites.

School of Business, Management, and Information Systems

Cluster of Study: Information Technology | **Status Code:** CCR

Major: Networking Systems | **At:** Heyward | **CIP Code:** 110901

Required Core for Graduation	Sample Core Choices			
	Grade 9	**Grade 10**	**Grade 11**	**Grade 12**
English* 4 units	English 1	English 2	English 3	English 4
Math* 4 units	Algebra 1	Algebra 2 or Geometry	Probability/Statistics, Geometry, or Pre-Calculus	Pre-Calculus or Calculus
Science* 3 units	Biology	Chemistry or Other Lab Science	Physics or Other Lab Science	Other Lab Science
Social Studies* 3 units	One unit of Social Studies Elective		U.S. History	Economics/Government
Additional Graduation Requirements	PE; JROTC, or Marching Band (1 unit) Computer Science (1 unit) World Language or CTE (1 unit) Personal Health and Wellness (1/2 unit)		Electives (7 units)	

Required Courses for Major (4 credits required)	**Complementary Coursework**	**Extended Learning Opportunity Options Related to Major**
Networking Fundamentals Advanced Networking IT Fundamentals Fundamentals of Computing	AP Computer Science Essentials Discovering Computer Science	Career Mentoring Shadowing Internship Cooperative Education Career Information Delivery System Exposure Senior Project

Professional Opportunities Upon Graduation

With High School Diploma	**With 2-Year Associates Degree**	**With 4-Year Degree and Higher**
PC Support Specialist Technical Support Specialist Web Site Maintenance	Computer Programmer Help Desk Specialist Network Administrator Web Designer	Computer Software Engineer Operations Research Analyst Software Application Manager Systems Analyst

*Course selection will depend on satisfying prerequisites.

School of Business, Management, and Information Systems

Cluster of Study: Information Technology | **Status Code:** CCR

Major: Web and Digital Communications | **At:** ACFHS, DHS, LRHS | **CIP Code:** 110801

Required Core for Graduation	Sample Core Choices			
	Grade 9	**Grade 10**	**Grade 11**	**Grade 12**
English* 4 units	English 1	English 2	English 3	English 4
Math* 4 units	Algebra 1	Algebra 2 or Geometry	Probability/Statistics, Geometry, or Pre-Calculus	Pre-Calculus or Calculus
Science* 3 units	Biology	Chemistry or Other Lab Science	Physics or Other Lab Science	Other Lab Science
Social Studies* 3 units	One unit of Social Studies Elective		U.S. History	Economics/Government
Additional Graduation Requirements	PE; JROTC, or Marching Band (1 unit) Computer Science (1 unit) World Language or CTE (1 unit) Personal Health and Wellness (1/2 unit)		Electives (7 units)	

Required Courses for Major (3 credits required)	**Complementary Coursework**	**Extended Learning Opportunity Options Related to Major**
Fundamentals of Web Page Design and Development Advanced Web Page Design and Development Plus 1(or two) of the following: Image Editing 1* Digital Workplace Applications Digital Publication Design Entrepreneurship Discovering Computer Science Dual Enrollment Microcomputer Applications or Intro to Computer Technology (CPT 170, CSCIU 138, CPT 101, CPSC 1200, CSCI 105) - Replaces IBA 1		Career Mentoring Shadowing Internship Cooperative Education Career Information Delivery System Exposure Senior Project

Professional Opportunities Upon Graduation

With High School Diploma	**With 2-Year Associates Degree**	**With 4-Year Degree and Higher**
PC Support Specialist Technical Support Specialist Web Site Maintenance Specialist	Computer Programmer Help Desk Specialist Network Administrator Web Designer	Computer Software Engineer Operations Research Analyst Software Application Manager Systems Analyst

*Course selection will depend on satisfying prerequisites.

School of Engineering, Manufacturing, and Industrial Technologies

Cluster of Study: Agriculture, Food, and Natural Resources | **Status Code:** CCR

Major: Horticulture | **At:** Heyward | **CIP Code:** 010601

Required Core for Graduation	Sample Core Choices			
	Grade 9	**Grade 10**	**Grade 11**	**Grade 12**
English* 4 units	English 1	English 2	English 3	English 4
Math* 4 units	Algebra 1	Algebra 2 or Geometry	Probability/Statistics, Geometry, or Pre-Calculus	Pre-Calculus or Calculus
Science* 3 units	Biology	Chemistry or Other Lab Science	Physics or Other Lab Science	Other Lab Science
Social Studies* 3 units	One unit of Social Studies Elective		U.S. History	Economics/Government
Additional Graduation Requirements	PE; JROTC, or Marching Band (1 unit) Computer Science (1 unit) World Language or CTE (1 unit) Personal Health and Wellness (1/2 unit)		Electives (7 units)	

Required Courses for Major (**4** credits required)	**Complementary Coursework**	**Extended Learning Opportunity Options Related to Major**
Introduction to Horticulture Horticulture for the Workplace 1 Horticulture for the Workplace 2 Nursery, Greenhouse and Garden Center Technology Agriculture, Food, and Natural Resources Internship work-based credit		Career Mentoring Shadowing Internship Cooperative Education Career Information Delivery System Exposure Senior Project

Professional Opportunities Upon Graduation

With High School Diploma	With 2-Year Associates Degree	With 4-Year Degree and Higher
Nursery Technician Agriculture Worker Grounds Maintenance Worker	Floral Designer Garden Center Manager Green House Manager	Education and Extension Specialist Agricultural Educator Plant Pathologist

*Course selection will depend on satisfying prerequisites.

School of Engineering, Manufacturing, and Industrial Technologies

Cluster of Study: Agriculture, Food, and Natural Resources | **Status Code:** CCR

Major: Plant and Animal Systems | **At:** KJHS | **CIP Code:** 011101

Required Core for Graduation	Sample Core Choices			
	Grade 9	**Grade 10**	**Grade 11**	**Grade 12**
English* 4 units	English 1	English 2	English 3	English 4
Math* 4 units	Algebra 1	Algebra 2 or Geometry	Probability/Statistics, Geometry, or Pre-Calculus	Pre-Calculus or Calculus
Science* 3 units	Biology	Chemistry or Other Lab Science	Physics or Other Lab Science	Other Lab Science
Social Studies* 3 units	One unit of Social Studies Elective		U.S. History	Economics/Government
Additional Graduation Requirements	PE; JROTC, or Marching Band (1 unit) Computer Science (1 unit) World Language or CTE (1 unit) Personal Health and Wellness (1/2 unit)		Electives (7 units)	

Required Courses for Major (**4** credits required)	**Complementary Coursework**	**Extended Learning Opportunity Options Related to Major**
Agriculture Science and Technology Animal Science for the Workplace 1 Animal Science for the Workplace 2 Introduction to Veterinary Science Agriculture, Food, and Natural Resources Internship work-based credit		Career Mentoring Shadowing Internship Cooperative Education Career Information Delivery System Exposure Senior Project

Professional Opportunities Upon Graduation

With High School Diploma	**With 2-Year Associates Degree**	**With 4-Year Degree and Higher**
Veterinary Assistant Agricultural Sales Representative	Food Scientist Aquaculturalist Commodity Marketer	Education and Extension Specialist Agricultural Educator

*Course selection will depend on satisfying prerequisites.

School of Engineering, Manufacturing, and Industrial Technologies

Cluster of Study: Architecture and Construction | **Status Code:** CCR

Major: Building Construction Cluster | **At:** Heyward | **CIP Code:** 460000

Required Core for Graduation	Sample Core Choices			
	Grade 9	**Grade 10**	**Grade 11**	**Grade 12**
English* 4 units	English 1	English 2	English 3	English 4
Math* 4 units	Algebra 1	Algebra 2 or Geometry	Probability/Statistics, Geometry, or Pre-Calculus	Pre-Calculus or Calculus
Science* 3 units	Biology	Chemistry or Other Lab Science	Physics or Other Lab Science	Other Lab Science
Social Studies* 3 units	One unit of Social Studies Elective		U.S. History	Economics/Government
Additional Graduation Requirements	PE; JROTC, or Marching Band (1 unit) Computer Science (1 unit) World Language or CTE (1 unit) Personal Health and Wellness (1/2 unit)		Electives (7 units)	

Required Courses for Major (**4** credits required)	**Complementary Coursework**	**Extended Learning Opportunity Options Related to Major**
Building Construction Cluster 1 Building Construction Cluster 2 Building Construction Cluster 3 Building Construction Cluster 4	Introduction to Construction	Career Mentoring Shadowing Internship Cooperative Education Career Information Delivery System Exposure Senior Project

Professional Opportunities Upon Graduation

With High School Diploma	**With 2-Year Associates Degree**	**With 4-Year Degree and Higher**
Carpenter Construction Technician Drafting Assistant	Architectural Engineer Civil Engineer Technician	Architect Civil Engineer Mechanical Engineer

*Course selection will depend on satisfying prerequisites.

School of Engineering, Manufacturing, and Industrial Technologies

Cluster of Study: Science, Technology, Engineering, and Mathematics | **Status Code:** CCR

Major: Mechatronics Integrated Technologies | **At:** Heyward | **CIP Code:** 150404

Required Core for Graduation	Sample Core Choices			
	Grade 9	**Grade 10**	**Grade 11**	**Grade 12**
English* 4 units	English 1	English 2	English 3	English 4
Math* 4 units	Algebra 1	Algebra 2 or Geometry	Probability/Statistics, Geometry, or Pre-Calculus	Pre-Calculus or Calculus
Science* 3 units	Biology	Chemistry or Other Lab Science	Physics or Other Lab Science	Other Lab Science
Social Studies* 3 units	One unit of Social Studies Elective		U.S. History	Economics/Government
Additional Graduation Requirements	PE; JROTC, or Marching Band (1 unit) Computer Science (1 unit) World Language or CTE (1 unit) Personal Health and Wellness (1/2 unit)		Electives (7 units)	

Required Courses for Major (**4** credits required)	**Complementary Coursework**	**Extended Learning Opportunity Options Related to Major**
Mechatronics 1: Electrical Components/ Industrial Safety Mechatronics 2: Mechanical Components/Electric Drives and Hand and Power Tool Operation Mechatronics 3: Electro-Pneumatics and Hydraulics Mechatronics 4: Digital Fundamentals and Programmable Controllers	Introduction/Intermediate Manufacturing Manufacturing Internship, work-based credit	Career Mentoring Shadowing Internship Cooperative Education Career Information Delivery System Exposure Senior Project

Professional Opportunities Upon Graduation

With High School Diploma	**With 2-Year Associates Degree**	**With 4-Year Degree and Higher**
TBD	TBD	TBD

*Course selection will depend on satisfying prerequisites.

School of Engineering, Manufacturing, and Industrial Technologies

Cluster of Study: Manufacturing | **Status Code:** CCR

Major: Welding Technology | **At:** Heyward | **CIP Code:** 480508

Required Core for Graduation	Sample Core Choices			
	Grade 9	**Grade 10**	**Grade 11**	**Grade 12**
English* 4 units	English 1	English 2	English 3	English 4
Math* 4 units	Algebra 1	Algebra 2 or Geometry	Probability/Statistics, Geometry, or Pre-Calculus	Pre-Calculus or Calculus
Science* 3 units	Biology	Chemistry or Other Lab Science	Physics or Other Lab Science	Other Lab Science
Social Studies* 3 units	One unit of Social Studies Elective		U.S. History	Economics/Government
Additional Graduation Requirements	PE; JROTC, or Marching Band (1 unit) Computer Science (1 unit) World Language or CTE (1 unit) Personal Health and Wellness (1/2 unit)		Electives (7 units)	

Required Courses for Major (**4** credits required)	**Complementary Coursework**	**Extended Learning Opportunity Options Related to Major**
Welding Technology 1 Welding Technology 2 Welding Technology 3 Welding Technology 4 Manufacturing Internship, work-based credit	Introduction/Intermediate Manufacturing Mechatronics 1: Electrical Components/ Industrial Safety	Career Mentoring Shadowing Internship Cooperative Education Career Information Delivery System Exposure Senior Project

Professional Opportunities Upon Graduation

With High School Diploma	With 2-Year Associates Degree	With 4-Year Degree and Higher
Entry Level Welder Machine Operator Millwright Helper	CNC Operator Machinist Manufacturing Machinery Technician	Design Engineer Manufacturing Engineer Metallurgist Quality Control Engineer

*Course selection will depend on satisfying prerequisites.

School of Engineering, Manufacturing, and Industrial Technologies

Cluster of Study: Science, Technology, Engineering, and Mathematics | **Status Code:** CCR

Major: PLTW Pre-Engineering | **At:** ACF,CHS, DHS, KHS, LRHS | **CIP Code:** 140101

Required Core for Graduation	Sample Core Choices			
	Grade 9	**Grade 10**	**Grade 11**	**Grade 12**
English* 4 units	English 1	English 2	English 3	English 4
Math* 4 units	Algebra 1	Algebra 2 or Geometry	Probability/Statistics, Geometry, or Pre-Calculus	Pre-Calculus or Calculus
Science* 3 units	Biology	Chemistry or Other Lab Science	Physics or Other Lab Science	Other Lab Science
Social Studies* 3 units	One unit of Social Studies Elective		U.S. History	Economics/Government
Additional Graduation Requirements	PE; JROTC, or Marching Band (1 unit) Computer Science (1 unit) World Language or CTE (1 unit) Personal Health and Wellness (1/2 unit)		Electives (7 units)	

Required Courses for Major (**4** credits required)	**Complementary Coursework**	**Extended Learning Opportunity Options Related to Major**
PLTW Introduction to Engineering Design PLTW Principles of Engineering Plus 2 of the following: PLTW Civil Engineering and Architecture PLTW Digital Electronics PLTW Aerospace Engineering PLTW Computer Integrated Manufacturing PLTW Computer Science Principles PLTW Engineering Design and Development		Career Mentoring Shadowing Internship Cooperative Education Career Information Delivery System Exposure Senior Project

Professional Opportunities Upon Graduation

With High School Diploma	**With 2-Year Associates Degree**	**With 4-Year Degree and Higher**
Not applicable	Engineering Development	Chemical Engineer Electrical Engineer Environmental/Civil Engineer Mechanical Engineer

*Course selection will depend on satisfying prerequisites.

School of Engineering, Manufacturing, and Industrial Technologies

Cluster of Study: Science, Technology, Engineering, and Mathematics | **Status Code:** CCR

Major: PLTW Computer Science | **At:** DHS | **CIP Code:** 110701

Required Core for Graduation	Sample Core Choices			
	Grade 9	**Grade 10**	**Grade 11**	**Grade 12**
English* 4 units	English 1	English 2	English 3	English 4
Math* 4 units	Algebra 1	Algebra 2 or Geometry	Probability/Statistics, Geometry, or Pre-Calculus	Pre-Calculus or Calculus
Science* 3 units	Biology	Chemistry or Other Lab Science	Physics or Other Lab Science	Other Lab Science
Social Studies* 3 units	One unit of Social Studies Elective		U.S. History	Economics/Government
Additional Graduation Requirements	PE; JROTC, or Marching Band (1 unit) Computer Science (1 unit) World Language or CTE (1 unit) Personal Health and Wellness (1/2 unit)		Electives (7 units)	

Required Courses for Major (**4** credits required)	**Complementary Coursework**	**Extended Learning Opportunity Options Related to Major**
PLTW Computer Science A PLTW Computer Science Essentials PLTW Computer Science Principles PLTW Cybersecurity	Science, Technology, Engineering, and Mathematics (STEM) work-based credit	Career Mentoring Shadowing Internship Cooperative Education Career Information Delivery System Exposure Senior Project

Professional Opportunities Upon Graduation

With High School Diploma	**With 2-Year Associates Degree**	**With 4-Year Degree and Higher**
Customer Service Specialists Computer Support Specialists	Web Developers Computer Network Support Specialists Operations Research Analysts	Computer and Information Research Scientists Actuary

*Course selection will depend on satisfying prerequisites.

School of Engineering, Manufacturing, and Industrial Technologies

Cluster of Study: Science, Technology, Engineering, and Mathematics | **Status Code:** CCR

Major: Food Science | **At:** CAJHS | **CIP Code:** 190501

Required Core for Graduation	Sample Core Choices			
	Grade 9	**Grade 10**	**Grade 11**	**Grade 12**
English* 4 units	English 1	English 2	English 3	English 4
Math* 4 units	Algebra 1	Algebra 2 or Geometry	Probability/Statistics, Geometry, or Pre-Calculus	Pre-Calculus or Calculus
Science* 3 units	Biology	Chemistry or Other Lab Science	Physics or Other Lab Science	Other Lab Science
Social Studies* 3 units	One unit of Social Studies Elective		U.S. History	Economics/Government
Additional Graduation Requirements	PE; JROTC, or Marching Band (1 unit) Computer Science (1 unit) World Language or CTE (1 unit) Personal Health and Wellness (1/2 unit)		Electives (7 units)	

Required Courses for Major (**3** credits required)	**Complementary Coursework**	**Extended Learning Opportunity Options Related to Major**
Food Science 1 Food Science 2 Foods and Nutrition 1 Science, Technology, Engineering, Mathematics (STEM) Internship, work-based credit		Career Mentoring Shadowing Internship Cooperative Education Career Information Delivery System Exposure Senior Project

Professional Opportunities Upon Graduation

With High School Diploma	**With 2-Year Associates Degree**	**With 4-Year Degree and Higher**
Product Packager Product Grader Produce Worker	Flavor Chemist Food Application Technologist Food Safety Manager	Food Chemist Food Microbiologist Food Processing Engineer

*Course selection will depend on satisfying prerequisites.

School of Engineering, Manufacturing, and Industrial Technologies

Cluster of Study: Science, Technology, Engineering, and Mathematics | **Status Code:** EEDA

Major: Mathematics | **At:** ALL | **CIP Code:**

Required Core for Graduation	Sample Core Choices			
	Grade 9	**Grade 10**	**Grade 11**	**Grade 12**
English* 4 units	English 1	English 2	English 3	English 4
Math* 4 units	Algebra 1	Algebra 2 or Geometry	Probability/Statistics, Geometry, or Pre-Calculus	Pre-Calculus or Calculus
Science* 3 units	Biology	Chemistry or Other Lab Science	Physics or Other Lab Science	Other Lab Science
Social Studies* 3 units	One unit of Social Studies Elective		U.S. History	Economics/Government
Additional Graduation Requirements	PE; JROTC, or Marching Band (1 unit) Computer Science (1 unit) World Language or CTE (1 unit) Personal Health and Wellness (1/2 unit)		Electives (7 units)	

Required Courses for Major (**4** credits required)	**Complementary Coursework**	**Extended Learning Opportunity Options Related to Major**
Pre-Calculus AP Statistics Calculus or AP Calculus Probability and Statistics Algebra 3 Physics	Chemistry	Career Mentoring Shadowing Internship Cooperative Education Career Information Delivery System Exposure Senior Project

Professional Opportunities Upon Graduation

With High School Diploma	With 2-Year Associates Degree	With 4-Year Degree and Higher
Computer Technician Engineer Technician	Engineer Assistant Systems Analyst	Mathematician Statistician Educator Engineer Scientist

*Course selection will depend on satisfying prerequisites.

School of Engineering, Manufacturing, and Industrial Technologies

Cluster of Study: Science, Technology, Engineering, and Mathematics | **Status Code:** EEDA

Major: Science | **At:** ALL | **CIP Code:**

Required Core for Graduation	Sample Core Choices			
	Grade 9	**Grade 10**	**Grade 11**	**Grade 12**
English* 4 units	English 1	English 2	English 3	English 4
Math* 4 units	Algebra 1	Algebra 2 or Geometry	Probability/Statistics, Geometry, or Pre-Calculus	Pre-Calculus or Calculus
Science* 3 units	Biology	Chemistry or Other Lab Science	Physics or Other Lab Science	Other Lab Science
Social Studies* 3 units	One unit of Social Studies Elective		U.S. History	Economics/Government
Additional Graduation Requirements	PE; JROTC, or Marching Band (1 unit) Computer Science (1 unit) World Language or CTE (1 unit) Personal Health and Wellness (1/2 unit)		Electives (7 units)	

Required Courses for Major (**4** credits required)	**Complementary Coursework**	**Extended Learning Opportunity Options Related to Major**
Anatomy and Physiology Biology 2 AP Biology IB Biology HL Environmental and Marine Science AP Environmental Science Forensic Science Marine Science Physics 1 Honors AP Physics IB Physics HL Chemistry 1 Honors Chemistry AP IB Chemistry HL	Earth Science World Languages courses Calculus	Career Mentoring Shadowing Internship Cooperative Education Career Information Delivery System Exposure Senior Project

Professional Opportunities Upon Graduation

With High School Diploma	**With 2-Year Associates Degree**	**With 4-Year Degree and Higher**
Environmental Assistant Landscaper Production Worker Zoo Assistant	Forestry Technician Lab Technician Veterinarian Assistant	Chemist Educator Physicist

*Course selection will depend on satisfying prerequisites.

School of Engineering, Manufacturing, and Industrial Technologies

Cluster of Study: Transportation, Distribution, and Logistics

Status Code: CCR

Major: Automotive Technology | **At:** Heyward | **CIP Code:** 470604

Required Core for Graduation	Sample Core Choices			
	Grade 9	**Grade 10**	**Grade 11**	**Grade 12**
English* 4 units	English 1	English 2	English 3	English 4
Math* 4 units	Algebra 1	Algebra 2 or Geometry	Probability/Statistics, Geometry, or Pre-Calculus	Pre-Calculus or Calculus
Science* 3 units	Biology	Chemistry or Other Lab Science	Physics or Other Lab Science	Other Lab Science
Social Studies* 3 units	One unit of Social Studies Elective		U.S. History	Economics/Government
Additional Graduation Requirements	PE; JROTC, or Marching Band (1 unit) Computer Science (1 unit) World Language or CTE (1 unit) Personal Health and Wellness (1/2 unit)		Electives (7 units)	

Required Courses for Major (**4** credits required)	**Complementary Coursework**	**Extended Learning Opportunity Options Related to Major**
Automotive Technology 1 Automotive Technology 2 Automotive Technology 3 Automotive Technology 4 Transportation, Distribution, and Logistics Internship, work-based credit		Career Mentoring Shadowing Internship Cooperative Education Career Information Delivery System Exposure Senior Project

Professional Opportunities Upon Graduation

With High School Diploma	**With 2-Year Associates Degree**	**With 4-Year Degree and Higher**
Bus Driver Maintenance Technician Mechanic Helper	Automotive Technician Mechanic Service Technician	Automotive Design Engineer Automotive Business Entrepreneur Mechanical Engineer

*Course selection will depend on satisfying prerequisites.

School of Engineering, Manufacturing, and Industrial Technologies

Cluster of Study: Transportation, Distribution, and Logistics | **Status Code:** CCR

Major: Diesel Engine Technology | **At:** Heyward | **CIP Code:** 470605

Required Core for Graduation	Sample Core Choices			
	Grade 9	**Grade 10**	**Grade 11**	**Grade 12**
English* 4 units	English 1	English 2	English 3	English 4
Math* 4 units	Algebra 1	Algebra 2 or Geometry	Probability/Statistics, Geometry, or Pre-Calculus	Pre-Calculus or Calculus
Science* 3 units	Biology	Chemistry or Other Lab Science	Physics or Other Lab Science	Other Lab Science
Social Studies* 3 units	One unit of Social Studies Elective		U.S. History	Economics/Government
Additional Graduation Requirements	PE; JROTC, or Marching Band (1 unit) Computer Science (1 unit) World Language or CTE (1 unit) Personal Health and Wellness (1/2 unit)		Electives (7 units)	

Required Courses for Major (**4** credits required)	**Complementary Coursework**	**Extended Learning Opportunity Options Related to Major**
Diesel Engine Technology 1 Diesel Engine Technology 2 Diesel Engine Technology 3 Diesel Engine Technology 4 Transportation, Distribution, and Logistics Internship, work-based credit		Career Mentoring Shadowing Internship Cooperative Education Career Information Delivery System Exposure Senior Project

Professional Opportunities Upon Graduation

With High School Diploma	**With 2-Year Associates Degree**	**With 4-Year Degree and Higher**
Bus Driver Maintenance Technician Mechanic Helper	Automotive Technician Mechanic Service Technician	Automotive Design Engineer Automotive Business Entrepreneur Mechanical Engineer

*Course selection will depend on satisfying prerequisites.

School of Engineering, Manufacturing, and Industrial Technologies

Cluster of Study: Transportation, Distribution, and Logistics

Status Code: CCR

Major: Commercial Driver's License

At: ECHS

CIP Code: 52320203

Required Core for Graduation	Sample Core Choices			
	Grade 9	**Grade 10**	**Grade 11**	**Grade 12**
English* 4 units	English 1	English 2	English 3	English 4
Math* 4 units	Algebra 1	Algebra 2 or Geometry	Probability/Statistics, Geometry, or Pre-Calculus	Pre-Calculus or Calculus
Science* 3 units	Biology	Chemistry or Other Lab Science	Physics or Other Lab Science	Other Lab Science
Social Studies* 3 units	One unit of Social Studies Elective		U.S. History	Economics/Government
Additional Graduation Requirements	PE; JROTC, or Marching Band (1 unit) Computer Science (1 unit) World Language or CTE (1 unit) Personal Health and Wellness (1/2 unit)		Electives (7 units)	

Required Courses for Major (**4** credits required)	**Complementary Coursework**	**Extended Learning Opportunity Options Related to Major**
Commercial Driver's License 1 Commercial Driver's License 2 Commercial Driver's License 3 Commercial Driver's License 4 Transportation, Distribution, and Logistics Internship, work-based credit		Career Mentoring Shadowing Internship Cooperative Education Career Information Delivery System Exposure Senior Project

Professional Opportunities Upon Graduation

With High School Diploma	**With 2-Year Associates Degree**	**With 4-Year Degree and Higher**
Commercial Truck Driver Mobile Equipment Operator	Operations Manager Fleet Manager	Maintenance Supervisor Operations Manager

*Course selection will depend on satisfying prerequisites.

School of Health, Human, and Public Services

Cluster of Study: Family and Consumer Sciences | **Status Code:** CCR

Major: Family and Consumer Sciences | **At:** CAJHS, ECHS, KHS, LRHS, Heyward | **CIP Code:** 190101

Required Core for Graduation	Sample Core Choices			
	Grade 9	**Grade 10**	**Grade 11**	**Grade 12**
English* 4 units	English 1	English 2	English 3	English 4
Math* 4 units	Algebra 1	Algebra 2 or Geometry	Probability/Statistics, Geometry, or Pre-Calculus	Pre-Calculus or Calculus
Science* 3 units	Biology	Chemistry or Other Lab Science	Physics or Other Lab Science	Other Lab Science
Social Studies* 3 units	One unit of Social Studies Elective		U.S. History	Economics/Government
Additional Graduation Requirements	PE; JROTC, or Marching Band (1 unit) Computer Science (1 unit) World Language or CTE (1 unit) Personal Health and Wellness (1/2 unit)		Electives (7 units)	

Required Courses for Major (**3** credits required)	**Complementary Coursework**	**Extended Learning Opportunity Options Related to Major**
Child Development 1 & 2 OR Family and Consumer Sciences 1 & 2 OR Foods and Nutrition 1 & 2 OR Fashion, Fabric, and Design 1 & 2 Plus 1 of the following: CTE Dual-Enrollment Teacher Cadet Culinary Arts Management 1 Financial Fitness 1 Child Development 1 Early Childhood Education 1 Food Science 1 Personal Finance Introduction to Culinary Arts Management Introduction to Hospitality and Tourism Management Human Services Internship, work-based credit		Career Mentoring Shadowing Internship Cooperative Education Career Information Delivery System Exposure Senior Project

Professional Opportunities Upon Graduation

With High School Diploma	**With 2-Year Associates Degree**	**With 4-Year Degree and Higher**
Sales Associate Demonstrator Laundry and Dry Cleaning Worker	Fashion Designer Assistant Marketing Manager Assistant Purchasing Manager Assistant	Fashion Designer Marketing Manager Purchasing Manager

*Course selection will depend on satisfying prerequisites.

School of Health, Human, and Public Services

Cluster of Study: Health Science — **Status Code:** CCR

Major: PLTW Biomedical Sciences — **At:** CHS, CAJHS — **CIP Code:** 260102

Required Core for Graduation	Sample Core Choices			
	Grade 9	Grade 10	Grade 11	Grade 12
English* 4 units	English 1	English 2	English 3	English 4
Math* 4 units	Algebra 1	Algebra 2 or Geometry	Probability/Statistics, Geometry, or Pre-Calculus	Pre-Calculus or Calculus
Science* 3 units	Biology	Chemistry or Other Lab Science	Physics or Other Lab Science	Other Lab Science
Social Studies* 3 units	One unit of Social Studies Elective		U.S. History	Economics/Government
Additional Graduation Requirements	PE; JROTC, or Marching Band (1 unit) Computer Science (1 unit) World Language or CTE (1 unit) Personal Health and Wellness (1/2 unit)		Electives (7 units)	

Required Courses for Major (3credits required)	Complementary Coursework	Extended Learning Opportunity Options Related to Major
PLTW Human Body Systems PLTW Principles of Biomedical Sciences Plus 1 of the following: PLTW Biomedical Innovation PLTW Medical Interventions Health Science 1 Health Science 2 Medical Terminology Pharmacology for Medical Careers Sports Medicine 1 Sports Medicine 2 Dual Enrollment Medical Terminology (AHS 102) - Replaces Medical Terminology	Dual Enrollment Health Care Careers	Career Mentoring Shadowing Internship Cooperative Education Career Information Delivery System Exposure Senior Project

Professional Opportunities Upon Graduation

With High School Diploma	With 2-Year Associates Degree	With 4-Year Degree and Higher
Not applicable	Genetics Lab Technician Lab Assistant Quality Assurance Technician	Biochemist Bioinformatics Scientist Biomedical Chemist Biostatistician

*Course selection will depend on satisfying prerequisites.

School of Health, Human, and Public Services

Cluster of Study: Health Science

Status Code: CCR

Major: Health Science | **At:** CAJHS, LRHS, Heyward | **CIP Code:** 510000

Required Core for Graduation	Sample Core Choices			
	Grade 9	**Grade 10**	**Grade 11**	**Grade 12**
English* 4 units	English 1	English 2	English 3	English 4
Math* 4 units	Algebra 1	Algebra 2 or Geometry	Probability/Statistics, Geometry, or Pre-Calculus	Pre-Calculus or Calculus
Science* 3 units	Biology	Chemistry or Other Lab Science	Physics or Other Lab Science	Other Lab Science
Social Studies* 3 units	One unit of Social Studies Elective		U.S. History	Economics/Government
Additional Graduation Requirements	PE; JROTC, or Marching Band (1 unit) Computer Science (1 unit) World Language or CTE (1 unit) Personal Health and Wellness (1/2 unit)		Electives (7 units)	

Required Courses for Major (**3/4** credits required)	**Complementary Coursework**	**Extended Learning Opportunity Options Related to Major**
3 CREDITS: Health Science 1 Health Science 2 Plus 1 of the following: Health Science - Human Structure, Functions & Disease Health Science Clinical Study PLTW Human Body Systems Medical Terminology Dual Enroll Medical Terminology PLTW Principles of Biomedical Sciences Sports Medicine 1 Health Science Internship work-based credit **4 CREDITS (Clinical CNA Program):** Health Science 1 & 2 Health Science - Human Structure, Function & Disease Health Science Clinical Study Dual Enrollment Medical Terminology (AHS 102) - Replaces Medical Terminology Dual Enrollment The Care of Patients (AHS 117) - Replaces Health Science Clinical Study	Dual Enroll Health Care Careers	Career Mentoring Shadowing Internship Cooperative Education Career Information Delivery System Exposure Senior Project

Professional Opportunities Upon Graduation

With High School Diploma	**With 2-Year Associates Degree**	**With 4-Year Degree and Higher**
Food Service Worker Certified Nurse Assistant Transport Technician	Biomedical Technician Clinical Technician Hospital Maintenance Engineer	Biomedical Engineer Clinical Engineer Facilities Manager

*Course selection will depend on satisfying prerequisites.

School of Health, Human, and Public Services

Cluster of Study: Health Science | **Status Code:** CCR

Major: Sports Medicine | **At:** CAJHS, Heyward | **CIP Code:** 310505

Required Core for Graduation	Sample Core Choices			
	Grade 9	**Grade 10**	**Grade 11**	**Grade 12**
English* 4 units	English 1	English 2	English 3	English 4
Math* 4 units	Algebra 1	Algebra 2 or Geometry	Probability/Statistics, Geometry, or Pre-Calculus	Pre-Calculus or Calculus
Science* 3 units	Biology	Chemistry or Other Lab Science	Physics or Other Lab Science	Other Lab Science
Social Studies* 3 units	One unit of Social Studies Elective		U.S. History	Economics/Government
Additional Graduation Requirements	PE; JROTC, or Marching Band (1 unit) Computer Science (1 unit) World Language or CTE (1 unit) Personal Health and Wellness (1/2 unit)		Electives (7 units)	

Required Courses for Major (**3** credits required)	**Complementary Coursework**	**Extended Learning Opportunity Options Related to Major**
Sports Medicine 1 Sports Medicine 2 Plus 1 of the following: Health Science 1 Health Science 2 Health Science - Human Structure, Function & Disease PLTW Human Body Systems Medical Terminology Dual Enroll Medical Terminology Pharmacology for Medical Careers PLTW Principles of Biomedical Sciences Sports Medicine 3 Sports Medicine Internship, work-based credit Dual Enrollment Medical Terminology (AHS 102) - Replaces Medical Terminology	Dual Enroll Health Care Careers	Career Mentoring Shadowing Internship Cooperative Education Career Information Delivery System Exposure Senior Project

Professional Opportunities Upon Graduation

With High School Diploma	**With 2-Year Associates Degree**	**With 4-Year Degree and Higher**
Personal Trainer Physical Therapy Aide Pharmacy Aide Occupational Therapy Aide	Physical Therapy Assistant Pharmacy Technician Occupational Therapy Assistant Surgical Technician	Athletic Trainer Physical Therapist Orthopedic Surgeon Chiropractor

*Course selection will depend on satisfying prerequisites.

School of Health, Human, and Public Services

Cluster of Study: Human Services | **Status Code:** CCR

Major: Barber/Master Hair Care | **At:** Heyward | **CIP Code:** 120402

Required Core for Graduation	Sample Core Choices			
	Grade 9	**Grade 10**	**Grade 11**	**Grade 12**
English* 4 units	English 1	English 2	English 3	English 4
Math* 4 units	Algebra 1	Algebra 2 or Geometry	Probability/Statistics, Geometry, or Pre-Calculus	Pre-Calculus or Calculus
Science* 3 units	Biology	Chemistry or Other Lab Science	Physics or Other Lab Science	Other Lab Science
Social Studies* 3 units	One unit of Social Studies Elective		U.S. History	Economics/Government
Additional Graduation Requirements	PE; JROTC, or Marching Band (1 unit) Computer Science (1 unit) World Language or CTE (1 unit) Personal Health and Wellness (1/2 unit)		Electives (7 units)	

Required Courses for Major (**8** credits required)	**Complementary Coursework**	**Extended Learning Opportunity Options Related to Major**
Barber 1/Master Hair Care 1 Barber 2/Master Hair Care 2 Barber 3/Master Hair Care 3 Barber 4/Master Hair Care 4		Career Mentoring Shadowing Internship Cooperative Education Career Information Delivery System Exposure Senior Project

Professional Opportunities Upon Graduation

With High School Diploma	**With 2-Year Associates Degree**	**With 4-Year Degree and Higher**
Cosmetologist Nail Technician State Board certification required	Not applicable	Educator State Board certification required

*Course selection will depend on satisfying prerequisites.

School of Health, Human, and Public Services

Cluster of Study: Human Services | **Status Code:** CCR

Major: Cosmetology | **At:** LRHS, Heyward | **CIP Code:** 120401

Required Core for Graduation	Sample Core Choices			
	Grade 9	**Grade 10**	**Grade 11**	**Grade 12**
English* 4 units	English 1	English 2	English 3	English 4
Math* 4 units	Algebra 1	Algebra 2 or Geometry	Probability/Statistics, Geometry, or Pre-Calculus	Pre-Calculus or Calculus
Science* 3 units	Biology	Chemistry or Other Lab Science	Physics or Other Lab Science	Other Lab Science
Social Studies* 3 units	One unit of Social Studies Elective		U.S. History	Economics/Government
Additional Graduation Requirements	PE; JROTC, or Marching Band (1 unit) Computer Science (1 unit) World Language or CTE (1 unit) Personal Health and Wellness (1/2 unit)		Electives (7 units)	

Required Courses for Major (**8** credits required)	**Complementary Coursework**	**Extended Learning Opportunity Options Related to Major**
Cosmetology 1 Cosmetology 2 Cosmetology 3 Cosmetology 4		Career Mentoring Shadowing Internship Cooperative Education Career Information Delivery System Exposure Senior Project

Professional Opportunities Upon Graduation

With High School Diploma	**With 2-Year Associates Degree**	**With 4-Year Degree and Higher**
Cosmetologist Nail Technician State Board certification required	Not applicable	Educator State Board certification required

*Course selection will depend on satisfying prerequisites.

School of Health, Human, and Public Services

Cluster of Study: Law, Public Safety, Corrections, and Security | **Status Code:** CCR

Major: Emergency and Fire Management Services | **At:** LRHS | **CIP Code:** 430203

Required Core for Graduation	Sample Core Choices			
	Grade 9	**Grade 10**	**Grade 11**	**Grade 12**
English* 4 units	English 1	English 2	English 3	English 4
Math* 4 units	Algebra 1	Algebra 2 or Geometry	Probability/Statistics, Geometry, or Pre-Calculus	Pre-Calculus or Calculus
Science* 3 units	Biology	Chemistry or Other Lab Science	Physics or Other Lab Science	Other Lab Science
Social Studies* 3 units	One unit of Social Studies Elective		U.S. History	Economics/Government
Additional Graduation Requirements	PE; JROTC, or Marching Band (1 unit) Computer Science (1 unit) World Language or CTE (1 unit) Personal Health and Wellness (1/2 unit)		Electives (7 units)	

Required Courses for Major (**3** credits required)	**Complementary Coursework**	**Extended Learning Opportunity Options Related to Major**
Firefighter 1 Firefighter 2 Introduction to Law, Public Safety, Corrections, and Security		Career Mentoring Shadowing Internship Cooperative Education Career Information Delivery System Exposure Senior Project

Professional Opportunities Upon Graduation

With High School Diploma	**With 2-Year Associates Degree**	**With 4-Year Degree and Higher**
Entry Level Firefighter Basic EMT Firefighter	Advanced Firefighter Emergency Planning Manager EMT	Fire and Emergency Manager Emergency Manager Fire Battalion Chief

*Course selection will depend on satisfying prerequisites.

School of Health, Human, and Public Services

Cluster of Study: Law, Public Safety, Corrections, and Security | **Status Code:** EEDA

Major: Law and Legal Services | **At:** ALL | **CIP Code:**

Required Core for Graduation	Sample Core Choices			
	Grade 9	**Grade 10**	**Grade 11**	**Grade 12**
English* 4 units	English 1	English 2	English 3	English 4
Math* 4 units	Algebra 1	Algebra 2 or Geometry	Probability/Statistics, Geometry, or Pre-Calculus	Pre-Calculus or Calculus
Science* 3 units	Biology	Chemistry or Other Lab Science	Physics or Other Lab Science	Other Lab Science
Social Studies* 3 units	One unit of Social Studies Elective		U.S. History	Economics/Government
Additional Graduation Requirements	PE; JROTC, or Marching Band (1 unit) Computer Science (1 unit) World Language or CTE (1 unit) Personal Health and Wellness (1/2 unit)		Electives (7 units)	

Required Courses for Major (**4** credits required)	**Complementary Coursework**	**Extended Learning Opportunity Options Related to Major**
Introduction to Criminal Justice 101 Current Issues Law-Related courses Psychology or Psychology 101 or AP Psychology Public Speaking Sociology Speech and Debate 1	AP Government AP Macroeconomics Chemistry Discrete Mathematics IB Language B SL or HL 1, 2 Performing Arts Personal Finance Probability and Statistics Visual Arts World History World Language course	Career Mentoring Shadowing Internship Cooperative Education Career Information Delivery System Exposure Senior Project

Professional Opportunities Upon Graduation

With High School Diploma	**With 2-Year Associates Degree**	**With 4-Year Degree and Higher**
Case Management Clerk Court Records Clerk Legal Secretary	Information Officer Law Clerk Paralegal	Corporate Attorney Law Attorney Law Professor

*Course selection will depend on satisfying prerequisites.

School of Health, Human, and Public Services

Cluster of Study: Government and Public Administration

Status Code: CCR

Major: Governance | At: WJKHS | CIP Code: 440501

Required Core for Graduation	Sample Core Choices			
	Grade 9	**Grade 10**	**Grade 11**	**Grade 12**
English* 4 units	English 1	English 2	English 3	English 4
Math* 4 units	Algebra 1	Algebra 2 or Geometry	Probability/Statistics, Geometry, or Pre-Calculus	Pre-Calculus or Calculus
Science* 3 units	Biology	Chemistry or Other Lab Science	Physics or Other Lab Science	Other Lab Science
Social Studies* 3 units	One unit of Social Studies Elective		U.S. History	Economics/Government
Additional Graduation Requirements	PE; JROTC, or Marching Band (1 unit) Computer Science (1 unit) World Language or CTE (1 unit) Personal Health and Wellness (1/2 unit)		Electives (7 units)	

Required Courses for Major (**3** credits required)	**Complementary Coursework**	**Extended Learning Opportunity Options Related to Major**
Business Law Community and Regional Planning Foundations of Leadership Government and Public Administration Internship, work-based credit	Advanced Placement Government and Economics Aerospace Advanced Skills 1, 2, 3, 4 Aerospace Education 1, 2, 3, 4 Aerospace Leadership Seminar 1, 2 Army JROTC Leadership, Education, and Training 2, 3, 4, 5 Ground School for Flying JROTC Aerospace (3 units plus Honors unit) JROTC Naval Science 1, 2, 3, 4 Leadership Advanced Skills 1, 2, 3, 4 Leadership Education and Training 5, 6 Leadership Seminar 1, 2 Naval Advanced Skills 1, 2, 3, 4 Naval Leadership Seminar 1, 2	Career Mentoring Shadowing Internship Cooperative Education Career Information Delivery System Exposure Senior Project

Professional Opportunities Upon Graduation

With High School Diploma	**With 2-Year Associates Degree**	**With 4-Year Degree and Higher**
Electronic Warfare Operation Infantry Filed Artillery Munitions Specialist	Law Enforcement Officer Military Recruit Military Recruiter	Captain Lieutenant Officer Major

*Course selection will depend on satisfying prerequisites.

School of Health, Human, and Public Services

Cluster of Study: Government and Public Administration

Status Code: EEDA

Major: National Security

At: ALL

CIP Code:

Required Core for Graduation	Sample Core Choices			
	Grade 9	Grade 10	Grade 11	Grade 12
English* 4 units	English 1	English 2	English 3	English 4
Math* 4 units	Algebra 1	Algebra 2 or Geometry	Probability/Statistics, Geometry, or Pre-Calculus	Pre-Calculus or Calculus
Science* 3 units	Biology	Chemistry or Other Lab Science	Physics or Other Lab Science	Other Lab Science
Social Studies* 3 units	One unit of Social Studies Elective		U.S. History	Economics/Government
Additional Graduation Requirements	PE; JROTC, or Marching Band (1 unit) Computer Science (1 unit) World Language or CATE (1 unit) Personal Health and Wellness (1/2 unit)		Electives (7 units)	

Required Courses for Major (4 credits required)	Complementary Coursework	Extended Learning Opportunity Options Related to Major
JROTC Aerospace (3 units plus Honors unit) JROTC Naval Science 1, 2, 3, 4 Army JROTC Leadership, Education, and Training 2, 3, 4, 5	Aerospace Advanced Skills 1, 2, 3, 4 Aerospace Education 1, 2, 3, 4 Aerospace Leadership Seminar 1, 2 Ground School for Flying Leadership Advanced Skills 1, 2, 3, 4 Leadership Education and Training 5, 6 Leadership Seminar 1, 2 Naval Advanced Skills 1, 2, 3, 4 Naval Leadership Seminar 1, 2	Career Mentoring Shadowing Internship Cooperative Education Career Information Delivery System Exposure Senior Project

Professional Opportunities Upon Graduation

With High School Diploma	With 2-Year Associates Degree	With 4-Year Degree and Higher
Electronic Warfare Operation Infantry Filed Artillery Munitions Specialist	Law Enforcement Officer Military Recruit Military Recruiter	Captain Lieutenant Officer Major

*Course selection will depend on satisfying prerequisites.

APPENDIX G

COLLEGE PLANNING CHECKLIST

When to begin	What to do	How to do it
Eighth grade	Select a high school course of study and a career cluster to explore and become familiar with college entrance requirements. Continue career exploration activities.	Work with parents, teachers and counselors to create an Individual Graduation Plan (IGP) to satisfy your career and educational goals. Get involved at school and in your community.
Freshman year	Update your IGP and work to your academic potential. Continue career exploration activities. Take PreACT in the Fall.	Continue to work with parents, teachers, and counselors to refine your IGP. Try job shadowing. Stay involved in school and community activities.
Sophomore year	Take PSAT tests in the fall. Review results and modify IGP. Take academically challenging courses. Investigate summer enrichment programs.	Meet with your counselor to plan for college. Consider job shadowing. Check your guidance newsletters for summer opportunities and other valuable information.
Junior year Fall	Register to take the PSAT. Think about your reasons for going to college. Investigate possible career options and degree level required. Identify important factors in choosing a college.	Collect information from ED-OP DAY (Educational Opportunity Day). During ED-OP, students have the opportunity to talk with admissions counselors from South Carolina colleges and universities and some from out of state. Explore colleges and careers on SCOIS, Naviance, and the Internet. Continue to focus on your schoolwork and to work with your parents, teachers and counselors.
Junior year Spring	Register for the SAT, ACT, or ACCUPLACER. List colleges considering and collect information. Investigate summer enrichment programs. Continue to work to highest academic potential and to be involved in school and community activities.	Prepare for and visit colleges. Continue collecting college and career information. Enroll in summer activities. Take some time to volunteer.
Senior year Fall	Continue to take a full load of challenging courses. Compare the colleges on your list. Apply to your “choice” colleges. Register for the SAT, ACT, or ACCUPLACER. Search for scholarship opportunities. Apply for financial aid as early as October.	Participate in ED-OP Day and Financial Aid Night. Continue visiting colleges. Complete applications by early October. Check guidance newsletters for scholarship opportunities. Complete scholarship applications. Observe deadlines. Work closely with your counselor, parents and teachers to finalize your plans. Complete the Free Application for Federal Student Aid (FAFSA). Complete scholarship applications.
Senior year Spring	Continue to search for scholarship opportunities. Make your final college decision. Register for college housing.	Complete final paperwork for college of choice.

APPENDIX H

South Carolina Scholarship and Grant Programs

This is a brief overview of the State Scholarships and Grants program. The information provided is from the South Carolina Commission on Higher Education and is based on the Commission's interpretation of the South Carolina Education Lottery Act. SCCHE information may be changed or updated without notice. Changes may also occur anytime during the legislative process. Although SCCHE attempts to provide up-to-date information on their website (www.che.sc.gov), please seek confirmation of information from the appropriate SCCHA office prior to any action taken.

	Palmetto Fellows Scholarship	LIFE Scholarship	S. C. HOPE Scholarship	S. C. Needs-Based Grant	Lottery Tuition Assistance
Initial Eligibility	Minimum 3.5 cumulative GPA based on S. C. Uniform Grading Scale Rank in top 6% of class at end of Sophomore year Minimum score of 1200 SAT/27 ACT **or** Minimum 4.0 cumulative GPA based on S. C. Uniform Grading Scale Minimum score of 1400 SAT/32 ACT Rank requirement waived	Four Year Institution Must have 2 of 3: Minimum of 3.0 on S. C. Uniform Grading Scale Rank in top 30% of high school graduation class Minimum score of 1100 SAT/24 ACT **or** Minimum 3.0 cumulative GPA based on S. C. Uniform Grading Scale at two - year institution Test score and rank are waived	Minimum 3.0 cumulative GPA based on S. C. Uniform Grading Scale No minimum test score and rank required For students who do not qualify for the LIFE or Palmetto Fellows Program but graduate from high school with at least a B average	No minimum GPA Students must complete Free Application for Federal Student Aid (FAFSA)	No minimum GPA Students must complete Free Application for Federal Student Aid (FAFSA)
Award Amount	Up to $6,700 towards the cost of attendance at eligible four-year Institutions freshman year Up to $7,500 for sophomore, junior, and senior years	Up to $5,000 (incudes $300 book stipend) towards the cost of attendance at eligible four-year Institutions or Up to cost of attendance at eligible two-year institutions plus $300 book stipend	$2,800 (incudes $300 book stipend) towards the cost of attendance at eligible four-year Institutions	Up to $2,500 full time students and $1,250 for part-time students towards the cost of attendance at eligible four-year Institutions	Up to cost of tuition
Renewal Criteria	Minimum 3.0 cumulative GPA and 30 credit hours for graduation purposes each academic year	Minimum 3.0 LIFE 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 four-year institution only	Fill out FAFSA and minimum 2.0 cumulative GPA and 24 credit hours each academic year if full time and 12 hours part-time	Fill out FAFSA and satisfactory academic progress
Term Limit	Eight consecutive terms toward first bachelor's degree	Two consecutive terms for a certificate or diploma, Four consecutive terms for an associate's degree, and Eight consecutive terms for first bachelor's degree	Up to two consecutive terms of funding	Eight consecutive terms toward bachelor's degree	

APPENDIX I

10-Point Grading Scale

South Carolina Uniform Grading Scale Conversions

Numerical Average	Letter Grade	4.0 Scale	College Prep	Honors	AP/IB/Dual Enrollment
100	A	4.000	5.000	5.500	6.000
99	A	4.000	4.900	5.400	5.900
98	A	4.000	4.800	5.300	5.800
97	A	4.000	4.700	5.200	5.700
96	A	4.000	4.600	5.100	5.600
95	A	4.000	4.500	5.000	5.500
94	A	4.000	4.400	4.900	5.400
93	A	4.000	4.300	4.800	5.300
92	A	4.000	4.200	4.700	5.200
91	A	4.000	4.100	4.600	5.100
90	A	4.000	4.000	4.500	5.000
89	B	3.000	3.900	4.400	4.900
88	B	3.000	3.800	4.300	4.800
87	B	3.000	3.700	4.200	4.700
86	B	3.000	3.600	4.100	4.600
85	B	3.000	3.500	4.000	4.500
84	B	3.000	3.400	3.900	4.400
83	B	3.000	3.300	3.800	4.300
82	B	3.000	3.200	3.700	4.200
81	B	3.000	3.100	3.600	4.100
80	B	3.000	3.000	3.500	4.000
79	C	2.000	2.900	3.400	3.900
78	C	2.000	2.800	3.300	3.800
77	C	2.000	2.700	3.200	3.700
76	C	2.000	2.600	3.100	3.600
75	C	2.000	2.500	3.000	3.500
74	C	2.000	2.400	2.900	3.400
73	C	2.000	2.300	2.800	3.300
72	C	2.000	2.200	2.700	3.200
71	C	2.000	2.100	2.600	3.100
70	C	2.000	2.000	2.500	3.000
69	D	1.000	1.900	2.400	2.900
68	D	1.000	1.800	2.300	2.800
67	D	1.000	1.700	2.200	2.700
66	D	1.000	1.600	2.100	2.600
65	D	1.000	1.500	2.000	2.500
64	D	1.000	1.400	1.900	2.400
63	D	1.000	1.300	1.800	2.300
62	D	1.000	1.200	1.700	2.200
61	D	1.000	1.100	1.600	2.100
60	D	1.000	1.000	1.500	2.000
59	F	0.000	0.900	1.400	1.900
58	F	0.000	0.800	1.300	1.800
57	F	0.000	0.700	1.200	1.700
56	F	0.000	0.600	1.100	1.600
55	F	0.000	0.500	1.000	1.500
54	F	0.000	0.400	0.900	1.400
53	F	0.000	0.300	0.800	1.300
52	F	0.000	0.200	0.700	1.200
51	F	0.000	0.100	0.600	1.100
0-50	F	0.000	0.000	0.000	0.000
50	WF	0.000	0.000	0.000	0.000
50	FA	0.000	0.000	0.000	0.000
-	WP	0.000	0.000	0.000	0.000
-	P	0.000	0.000	0.000	0.000
-	NP	0.000	0.000	0.000	0.000
-	AU	0.000	0.000	0.000	0.000

***Note**: A grade of "incomplete" (I) cannot be assigned to any student or course. See the SCDE Uniform Grading Policy.*

APPENDIX J

7-Point Grading Scale

South Carolina Uniform Grading Scale Conversions

Average	Letter Grade	4.0 Scale	College Prep	Honors	AP/IB/Dual Enrollment
100	A	4.000	4.875	5.375	5.875
99	A	4.000	4.750	5.250	5.750
98	A	4.000	4.625	5.125	5.625
97	A	4.000	4.500	5.000	5.500
96	A	4.000	4.375	4.875	5.375
95	A	4.000	4.250	4.750	5.250
94	A	4.000	4.125	4.625	5.125
93	A	4.000	4.000	4.500	5.000
92	B	3.000	3.875	4.375	4.875
91	B	3.000	3.750	4.250	4.750
90	B	3.000	3.625	4.125	4.625
89	B	3.000	3.500	4.000	4.500
88	B	3.000	3.375	3.875	4.375
87	B	3.000	3.250	3.750	4.250
86	B	3.000	3.125	3.625	4.125
85	B	3.000	3.000	3.500	4.000
84	C	2.000	2.875	3.375	3.875
83	C	2.000	2.750	3.250	3.750
82	C	2.000	2.625	3.125	3.625
81	C	2.000	2.500	3.000	3.500
80	C	2.000	2.375	2.875	3.375
79	C	2.000	2.250	2.750	3.250
78	C	2.000	2.125	2.625	3.125
77	C	2.000	2.000	2.500	3.000
76	D	1.000	1.875	2.375	2.875
75	D	1.000	1.750	2.250	2.750
74	D	1.000	1.625	2.125	2.625
73	D	1.000	1.500	2.000	2.500
72	D	1.000	1.375	1.875	2.375
71	D	1.000	1.250	1.750	2.250
70	D	1.000	1.125	1.625	2.125
69	F	0.000	1.000	1.500	2.000
68	F	0.000	0.875	1.375	1.875
67	F	0.000	0.750	1.250	1.750
66	F	0.000	0.625	1.125	1.625
65	F	0.000	0.500	1.000	1.500
64	F	0.000	0.375	0.875	1.375
63	F	0.000	0.250	0.750	1.250
62	F	0.000	0.125	0.625	1.125
0–61	F	0.000	0.000	0.000	0.000

APPENDIX K

DIVISION I NCAA CORE GPA/TEST SCORE INDEX FOR 16 CORE COURSES

(http://www.ncaa.org/student-athletes/future/test-scores)

Test Scores

If a student plans to attend an NCAA Division I college or university in the 2019-20 or 2020-21 academic years, use the following charts to understand the core-course GPA he or she will need to meet NCAA Division I requirements.

A combined SAT score is calculated by adding critical 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.

When a student registers for the SAT or ACT, he or she can use the NCAA Eligibility Center code of **9999** to send their scores directly to the NCAA Eligibility Center from the testing agency. Test scores on transcripts **CANNOT** be used in an academic certification.

DIVISION I
FULL QUALIFIER SLIDING SCALE

Core GPA	SAT*	ACT Sum*
3.550	400	37
3.525	410	38
3.500	430	39
3.475	440	40
3.450	460	41
3.425	470	41
3.400	490	42
3.375	500	42
3.350	520	43
3.325	530	44
3.300	550	44
3.275	560	45
3.250	580	46
3.225	590	46
3.200	600	47
3.175	620	47
3.150	630	48
3.125	650	49
3.100	660	49
3.075	680	50
3.050	690	50
3.025	710	51
3.000	720	52
2.975	730	52
2.950	740	53
2.925	750	53
2.900	750	54
2.875	760	55
2.850	770	56
2.825	780	56
2.800	790	57
2.775	800	58

DIVISION I
FULL QUALIFIER SLIDING SCALE

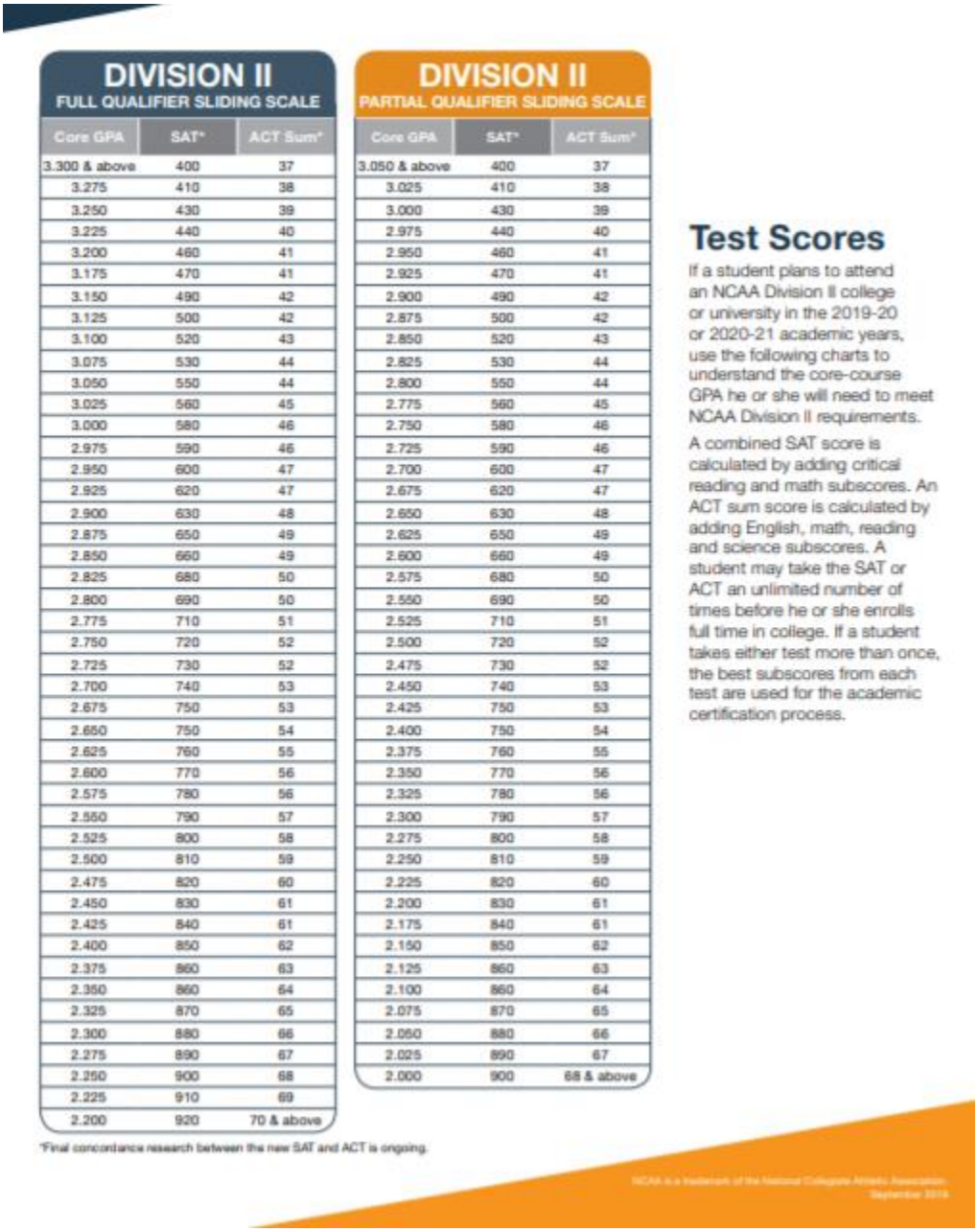
Core GPA	SAT*	ACT Sum*
2.750	810	59
2.725	820	60
2.700	830	61
2.675	840	61
2.650	850	62
2.625	860	63
2.600	860	64
2.575	870	65
2.550	880	66
2.525	890	67
2.500	900	68
2.475	910	69
2.450	920	70
2.425	930	70
2.400	940	71
2.375	950	72
2.350	960	73
2.325	970	74
2.300	980	75
2.299	990	76
2.275	990	76
2.250	1000	77
2.225	1010	78
2.200	1020	79
2.175	1030	80
2.150	1040	81
2.125	1050	82
2.100	1060	83
2.075	1070	84
2.050	1080	85
2.025	1090	86
2.000	1100	86

ACADEMIC REDSHIRT

*Final concordance research between the new SAT and ACT is ongoing.

NCAA is a trademark of the National Collegiate Athletic Association
September 2019

DIVISION II NCAA CORE GPA/TEST SCORE INDEX FOR 16 CORE COURSES (http://www.ncaa.org/student-athletes/future/test-scores)



DIVISION II
FULL QUALIFIER SLIDING SCALE

Core GPA	SAT*	ACT Sum*
3.300 & above	400	37
3.275	410	38
3.250	430	39
3.225	440	40
3.200	460	41
3.175	470	41
3.150	490	42
3.125	500	42
3.100	520	43
3.075	530	44
3.050	550	44
3.025	560	45
3.000	580	46
2.975	590	46
2.950	600	47
2.925	620	47
2.900	630	48
2.875	650	49
2.850	660	49
2.825	680	50
2.800	690	50
2.775	710	51
2.750	720	52
2.725	730	52
2.700	740	53
2.675	750	53
2.650	750	54
2.625	760	55
2.600	770	56
2.575	780	56
2.550	790	57
2.525	800	58
2.500	810	59
2.475	820	60
2.450	830	61
2.425	840	61
2.400	850	62
2.375	860	63
2.350	860	64
2.325	870	65
2.300	880	66
2.275	890	67
2.250	900	68
2.225	910	69
2.200	920	70 & above

DIVISION II
PARTIAL QUALIFIER SLIDING SCALE

Core GPA	SAT*	ACT Sum*
3.050 & above	400	37
3.025	410	38
3.000	430	39
2.975	440	40
2.950	460	41
2.925	470	41
2.900	490	42
2.875	500	42
2.850	520	43
2.825	530	44
2.800	550	44
2.775	560	45
2.750	580	46
2.725	590	46
2.700	600	47
2.675	620	47
2.650	630	48
2.625	650	49
2.600	660	49
2.575	680	50
2.550	690	50
2.525	710	51
2.500	720	52
2.475	730	52
2.450	740	53
2.425	750	53
2.400	750	54
2.375	760	55
2.350	770	56
2.325	780	56
2.300	790	57
2.275	800	58
2.250	810	59
2.225	820	60
2.200	830	61
2.175	840	61
2.150	850	62
2.125	860	63
2.100	860	64
2.075	870	65
2.050	880	66
2.025	890	67
2.000	900	68 & above

*Final concordance research between the new SAT and ACT is ongoing.

Test Scores

If a student plans to attend an NCAA Division II college or university in the 2019-20 or 2020-21 academic years, use the following charts to understand the core-course GPA he or she will need to meet NCAA Division II requirements.

A combined SAT score is calculated by adding critical 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.

NCAA is a trademark of the National Collegiate Athletic Association.
September 2019

NCAA Eligibility Center COVID-19 Response FAQs
For Students Initially Enrolling Full Time in the 2021-22 Academic Year
(http://fs.ncaa.org/Docs/eligibility_center/COVID19_Fall2021_Public.pdf)

APPENDIX L

SOUTH CAROLINA DEPARTMENT OF EDUCATION
DIPLOMA PATHWAYS SEALS OF DISTINCTION OVERVIEW

One or more seals may be earned, but are not required for graduation.

*Consult Richland One High School Course Catalogue 2020 – 2021 for more information regarding curriculum choices, majors, and diploma requirements. Seals require completion of all graduation requirements (24 credits). All incoming freshman beginning 2018 – 2019 are eligible to earn seals. Updated: 2/24/2020 based on SCDE PPT 9/9/2019

Honors Seal of Distinction*

UGP GPA 3.5 or higher

English: 4 Credits
2 at honors level or higher level

Math: 4 Credits
3 at honors or higher level (Alg. 2 as a prerequisite for the 4th higher level course)

Lab Science: 3 Credits
2 at the honors or higher level

Social Studies: 3 Credits
2 at the honors or higher level

World Languages:
2 Credits of the same language
(class of 18-19 9th graders)
3 Credits of the same language (students entering 9th grade 19 – 20 and beyond)

Advanced Coursework: 4 Credits
Honors level or higher in Junior/Senior Year (the last two prior to graduation)

College-Ready Seal of Distinction*

UGP GPA 3.0 or higher

OR

ACT = 20
(Composite Score)

OR

SAT = 1020
(combined math and evidence-based reading/writing scores)

English: 4 Credits

Math: 4 Credits
Algebra 1 (or equivalent of Alg. 1), Geometry, Algebra 2, and 4th Math with Alg. 2 or Integrated Math 3 as a prerequisite

Lab Science: 3 Credits

Social Studies: 3 Credits

World Languages: 2 Credits
of the same language

Fine Arts: 1 Credit

Career Seal of Distinction*

UGP GPA 2.5 or higher

English: 4 Credits

Math: 4 Credits

Lab Science: 3 Credits

Social Studies: 3 Credits

AND
Completion of an EEDA Major

AND
One of the following:
Earn at least 1 industry recognized credential
OR
Silver on WIN
OR
A semester-long Work Based Learning placement credit
Innovative courses *may* be approved
and must align with student's post-secondary plan

Specialization Seal of Distinction*

UGP GPA 3.0 or higher in all areas

Complete ONE Area to Qualify:

STEM : 4 Credits
beyond required courses in math, science, and technology; at least 2 at honors or higher level; may be in one area of STEM or across all four areas

World Language: 4 Credits
of the same language and/or minimum ACTFL Exam Score of "Intermediate Low" (or equated score on STAMP or ASL assessment)
OR
AP exam score 3 or higher
OR
IB exam score 4 or higher before the senior year
English Learners must meet all criteria above and Level 5 composite ACCESS test score

Military: 4 Credits in JROTC
and ASVAB score of 31 or higher

Arts: 4 Credits
in a single or multiple areas of the Arts; 2 or more at honors level or higher; mastery on external exam or performance task

APPENDIX M

Other Resources

South Carolina Department of Education

Activity Coding System (ACS) Manual (2020-2021)
Uniform Grading Policy (UGP) (April 2019)

Richland One

School Counseling Services
Student Resources
Parent Resources

Updated 05.13.2022