

DORCHESTER SCHOOL DISTRICT TWO



2021-2022 COURSE GUIDE



College & Career Ready



Dorchester School District Two

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www.ddtwo.org

DORCHESTER SCHOOL DISTRICT TWO



MISSION

Dorchester School District Two leading the way, every student, every day
through **relationships, rigor, and relevance.**

VISION

Dorchester School District Two desires to be recognized as a “World Class” school district, expecting each students to achieve at his/her optimum level in all areas, and providing all members of our district family with an environment that permits them to do their personal best.

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ENGLISH CORE

To meet the South Carolina State High School graduation requirements, students must earn four (4) units in English. Completion of English I, English II, English III, and English IV will meet this criterion. Dorchester School District Two Board Policy requires students to take an English course each year of high school.

ADVANCED COMPOSITION HONORS

303000HW

Unit: 1

Grades: 10-12

The purpose of the Advanced Composition Course is to increase students' understanding and use of grammar, expose students to various types of writing, and offer explicit instruction of writing, editing, and revision, in order to prepare students for Advanced Placement and International Baccalaureate courses

ENGLISH I CP

302400CW

Unit: 1

Grade: 9

This course will provide students with the comprehension and analytic strategies needed to interpret printed materials as well as a structured review of grammar and mechanics. Students will expand a working, generalized, subject-specific vocabulary. Students will use listening and speaking skills to communicate effectively and to learn and appreciate language. Students will write for different audiences and purposes and work to develop research skills. All students enrolled in English I CP are required to take the SC End-Of-Course examination as the final exam in this course.

FRESHMAN SEMINAR CP

309901CW

Unit: 1

English Elective Grade: 9 Must be taken concurrently with English I CP

Students in need of extra support will be enrolled in Freshman Seminar in addition to the English I course. This course will help students to develop and expand literacy skills and strategies that will be covered on the English I end of course exam. The course has a skills-based approach and was developed to help students be successful when taking the English I end of course exam.

ENGLISH I HONORS

302400HW

Unit: 1

Grades: 8-9

Prerequisite: Teacher Recommendation

English I Honors is a rigorous course designed for students who hope to develop an expertise in writing and analytical skills. Literature and composition are the focus of this class. Students in this course are expected to work on rigorous differentiated assignments. Students will take the SC English I End-Of-Course examination as the final exam in this course.

ENGLISH II CP

302500CW

Unit: 1

Grades: 9-10

Prerequisite: English I

English 2 CP is an in-depth study of thematic units with emphasis on skills necessary for college and career readiness. Units are designed around anchor texts, which rotate between literature and informational texts, and each unit provides suggested texts and additional support for the thematic focus. Writing units are divided throughout the year to emphasize both the research process and narrative, informative and argumentative writing styles. Grammar and vocabulary are taught in structured mini-lessons within each unit.

ENGLISH II HONORS

302500HW

Unit: 1

Grades: 9-10

Prerequisite: English I Honors or Teacher Recommendation

English II Honors is a rigorous course intended to develop comprehension, synthesis, analysis and evaluation which offers a survey of world literature and integrates the study of writing, literature, public speaking, listening, grammar, vocabulary, library skills and technology. It is designed for the student who wants an extra challenge and is ready to accept significant responsibility for the learning process by developing advanced skills and knowledge through the study of many genres including novels, short stories, drama, essays, and poetry (narrative, lyrical and epic). Students will write many different types of essays, such as critical analyses, persuasive essays, and research papers. Students make extensive use of literary materials outside the classroom. Most students will be a year ahead of their grade level in order to take AP and IB English as juniors and seniors. Students in this course are expected to work on multiple assignments simultaneously while meeting the rigors of the class.

ENGLISH III CP

302600CW

Unit: 1

Grades: 11-12

English 3 CP is an in-depth study of thematic units with emphasis on skills necessary for college and career readiness. Units are designed around anchor texts, which rotate between literature and informational texts, and each unit provides suggested texts and additional support for the thematic focus. Writing units are divided throughout the year to emphasize both the research process and narrative, informative and argumentative writing styles. Grammar and vocabulary are taught in structured mini-lessons within each unit.

ENGLISH III HONORS**302600HW****Unit: 1***Grades: 10-11**Prerequisite: English II Honors or Teacher Recommendation*

The purpose of English III Honors is to expand the students' understanding of American literature. Students will use the eleventh grade anthology of literature along with parallel readings in all genres including poetry, short stories, drama, and the novel. Upon completion of the course, students should be able to demonstrate their understanding of theme, symbolism, characterization, the elements of drama, figurative language, and other literary concepts by expressing their ideas in written essays as well as class discussions.

ENGLISH IV CP**302700CW****Unit: 1***Grades: 11-12**Prerequisite: English III*

English IV CP is an English course that focuses on British literature. Students will work on analyzing text and writing about them in a critical manner. This level of English is a correlation of language and literature with emphasis on vocabulary, literary analysis, grammar, and mechanics through writing and values found in literature.

ENGLISH LANGUAGE AND COMPOSITION AP**307100AW****Unit: 1***Grades: 11-12**Prerequisite: Open to all students willing to attempt the rigors of the prescribed curriculum; English III Honors is highly recommended*

This course provides students the opportunity to earn three hours of college credit while still in high school by demonstrating proficiency on the May exam. English Language and Composition AP engages students in becoming skilled readers of prose written in a variety of periods, disciplines, and rhetorical contexts and in becoming skilled writers who compose for a variety of purposes. There is a focus on American literature. The intense concentration on language in this course should enhance students' ability to use grammatical conventions both appropriately and with sophistication, as well as to develop stylistic maturity in student writing. This is a college-level course and students should expect college-level assignments, workload, and grading. Each student must take the Advanced Placement examination through the College Board for possible college credit.

ENGLISH LITERATURE AND COMPOSITION AP**307001AW****Unit: 1***Grade: 12**Prerequisite: Open to all students willing to attempt the rigors of the prescribed curriculum. English III Honors is highly recommended.*

This course provides students the opportunity to earn three hours of college credit while still in high school by demonstrating proficiency on the May exam. English Literature and Composition AP engages students in the careful reading and critical analysis of imaginative literature, with a focus on British literature. Through the close reading of selected texts, students deepen their understanding of the ways writers use language to provide both meaning and pleasure. Writing is also an integral part of the course because the AP exam is geared toward student writing and literature. Writing assignments will focus on the critical analysis of literature and will include expository, analytical, and argumentative essays. This is a college-level course and students should expect college-level assignments, workload, and grading. Each student must take the Advanced Placement examination through the College Board for possible college credit.

AP SEMINAR**373000AW****Unit: 1***Grades: 10-12*

AP seminar is a foundational course that engages students in cross-curricular conversations that explore the complexities of academic and real-world topics and issues by analyzing divergent perspectives. Using an inquiry framework, students practice reading and analyzing articles, research studies, and foundational literary and philosophical texts; listening and viewing speeches, broadcasts, and personal accounts; and experiencing artistic works and performances. Students learn to synthesize information from multiple sources, develop their own perspectives in research-based written essays, and design and deliver oral and visual presentations, both individually and as part of a team. Ultimately, the course aims to equip students with the power to analyze and evaluate information with accuracy and precision in order to craft and communicate evidence-based arguments.

**Please note that a teacher from another content area may teach this course. The teacher may not actually be a teacher who is certified in the English content area.*

AP RESEARCH**373100AW****Unit: 1***Grades 10-12**Prerequisite: AP Seminar*

AP Research, the second course in the AP Capstone experience, allows students to deeply explore an academic topic, problem, issue, or idea of individual interest. Students design, plan, and implement a year-long investigation to address a research question. Through this inquiry, they further the skills they acquired in the AP Seminar course by learning research methodology, employing ethical research practices, and accessing, analyzing, and synthesizing information.

MATHEMATICS CORE

To meet the South Carolina State High School graduation requirements, students must earn four (4) units in Mathematics. Additionally, the Commission on Higher Education (CHE) established minimum course requirements for applicants to four-year programs in SC public colleges and universities. CHE requires three units in mathematics, including Algebra 1 (Algebra 1-A and Algebra 1-B may count together as a substitute if a student successfully completes Algebra 2), Algebra 2, and Geometry. A fourth or fifth higher-level mathematics course is strongly recommended and may be required for some majors. The fourth course may be selected from among Pre-calculus, Probability & Statistics, or Calculus. Students are encouraged to pay special attention to recommended prerequisites as students may otherwise have more difficulty achieving a satisfactory grade. Students successfully earning credit in any of the Math core courses listed in the guide meet the state requirement. Dorchester School District Two Board Policy requires students to take a math course each year of high school.

ALGEBRA 1 CP

411400CW

Unit: 1

Grades: 9-10

This course is designed for the college preparatory student or one desiring a formal background in mathematics. Topics include the real number system; operations involving exponents, matrices, and algebraic expressions; relations and functions; writing and solving linear equations; graphs and characteristics of linear equations; and quadratic relationships and functions. Students will take the SC End-Of-Course examination as the final exam in this course.

ALGEBRA 1 HONORS

411400HW

Unit: 1

Grades: 7-9 Prerequisite: Teacher Recommendation

Algebra 1 Honors is a challenging course that is the basis for the student desiring to meet the rigors of the honors curriculum. Topics include applying and solving linear and quadratic equations, real numbers, functions, relations, and graphing. This course also includes applications of algebraic concepts and problem-solving processes that require abstract reasoning abilities and/or a creative analysis of information. Students will take the SC End-Of-Course examination as the final exam in this course.

ALGEBRA 2 CP

411200CW

Unit: 1

Grades: 9-12 Prerequisite: Algebra 1

This course continues the work of Algebra 1 and adds complex numbers; nonlinear relationships including exponential, logarithmic, radical, polynomial, and rational; conic sections; and sequences and series.

ALGEBRA 2 HONORS

411200HW

Unit: 1

Grades: 9-11 Prerequisite: Algebra 1 and Teacher Recommendation

This course is designed for the advanced math student who wishes to continue in the honors mathematics program. This course continues the work of Algebra 1 and includes extensive coverage of matrices, conics, imaginary numbers, nonlinear relationships, functions and relations, and sequences and series.

ALGEBRA 3 CP 411300CW Unit: 1

Grade: 10-12 Prerequisites: Algebra 2

This course focuses on the development of the student's ability to understand and apply the study of functions and advanced mathematical concepts to solve problems. The topics studied will be functions, systems of equations, inequalities, the complex number system, mathematical modeling, and conics. Upon successful completion of this course, the students should be prepared to take Pre-calculus.

AP CALCULUS AB

417000AW

Unit: 1

Grades: 11-12 Prerequisite: Pre-Calculus; Open to all students willing to attempt the rigors of the prescribed curriculum

This course provides students with the opportunity to pursue college credits while still in high school. It consists of a full high school academic year of work in calculus and related topics, comparable to courses in colleges and universities. AP Calculus AB is roughly equivalent to a first semester college calculus course devoted to topics in differential and integral calculus. The AP course covers topics in these areas, including concepts and skills of limits, derivatives, definite integrals, and the Fundamental Theorem of Calculus. The course teaches students to approach calculus concepts and problems when they are represented graphically, numerically, analytically, and verbally, and to make connections amongst these representations. Students learn how to use technology to help solve problems, experiment, interpret results, and support conclusions. Each student must take the Advanced Placement examination through The College Board for possible college credit.

AP CALCULUS BC**417200AW***Grades: 11-12*

This course provides students with the opportunity to pursue college credits while still in high school. It consists of a full high school academic year of work in calculus and related topics, comparable to courses in colleges and universities. AP Calculus BC is roughly equivalent to both first and second semester college calculus courses and extends the content in AB to different types of equations and introduces the topic of sequences and series. The AP course covers topics in differential and integral calculus, including concepts and skills of limits, derivatives, definite integrals, the Fundamental Theorem of Calculus, and series. The course teaches students to approach calculus concepts and problems when they are represented graphically, numerically, analytically, and verbally, and to make connections amongst these representations. Students learn how to use technology to help solve problems, experiment, interpret results, and support conclusions. Each student must take the Advanced Placement examination through The College Board for possible college credit.

CALCULUS HONORS**413500HW****Unit: 1***Grades: 11-12**Prerequisite: Pre-Calculus*

This course provides a review and extension of circular and trigonometric functions with an emphasis on limits, derivatives, and integrals. This course is highly recommended for students who are going to college and are interested in majoring in engineering, business, or science.

GEOMETRY CP**412200CW****Unit: 1***Grades: 9-11**Prerequisite: Algebra 1*

This course covers topics involving properties of basic geometric figures; properties of triangles; properties of quadrilaterals and other polygons; properties of circles, lines, and special segments intersecting circles; transformations; coordinate geometry; vectors; surface area and volume of three-dimensional objects; and proofs.

GEOMETRY HONORS**412200HW****Unit: 1***Grades: 8-10**Prerequisite: Algebra 1 and Teacher Recommendation*

Geometry Honors is a challenging course in geometry that incorporates a high level of analytical thinking. Inductive reasoning with investigations and deductive reasoning with formal proofs are included. Algebra and coordinate geometry are integrated extensively within the context of geometry. Also included are detailed compass constructions and an introduction to basic trigonometry.

PRE-CALCULUS CP**413100CW****Unit: 1***Grades: 10-12 P**Prerequisites: Algebra 2 and Geometry*

This course examines characteristics and behaviors of functions, operations on functions, behaviors of polynomial functions, rational functions, exponential and logarithmic functions, trigonometric functions, and conic sections. Topics also include polynomial and transcendental functions, solutions of right triangles, trigonometric identities and equations, arithmetic and geometric sequences and series, and advanced graphing techniques.

PRE-CALCULUS HONORS**413100HW****Unit: 1***Grades: 10-12**Prerequisites: Algebra 2, Geometry, and Teacher Recommendation*

This is a college preparatory course that covers many topics of Algebra 2 in greater depth. Additional topics include advanced graphing techniques, logarithms, right triangle trigonometry, unit circle trigonometry, trigonometric equations and identities, polar coordinates, and arithmetic and geometric sequences and series.

PROBABILITY AND STATISTICS CP**414101CW****Unit: 1***Grades: 10-12**Prerequisites: Algebra 2 and Geometry*

Statistics is the science of data, and probability is the tool necessary to work with data and to make predictions. This course will give students the opportunity to produce data, to put data into usable form, and to interpret data so that they can draw conclusions about the world around us. This course allows students to develop statistical thinking and stresses the importance of communication. It is a course designed to help students develop strong problem-solving skills and uses, connections to other school subjects, and the student's world.

STATISTICS AP**417100AW****Unit: 1***Grades: 11-12**Prerequisites: Geometry, Algebra 2 and Teacher Recommendation; Open to all students willing to attempt the rigors of the prescribed curriculum*

This course is designed for students who wish to earn college level work in statistics. It is designed to include topics on data analysis and probability. Students will be expected to conduct independent projects that will involve explorations into project design, data gathering and organization, data treatment, and statistical reporting of the findings. A project for each quarter will be selected to reflect the statistics being studied at that time. It is expected that at least one of these projects will be interdisciplinary in nature and involve other courses in which the student is enrolled. The course will also emphasize the use of technology in data analysis, both with calculators capable of statistical reporting and graphing, and with relevant statistical software in a computer lab setting. Each student must take the Advanced Placement examination through the College Board for possible college credit.

SCIENCE CORE

To meet the South Carolina State High School graduation requirements, students must earn three (3) units in science. In addition, students who plan to attend a four year college may encounter additional requirements. Most colleges require students entering their institution to have earned three (3) units in a laboratory science. Two units must be taken in two different fields of the physical, earth, or life sciences and selected from among biology, chemistry, physics, or earth science. Students may substitute one of these courses with a course in which the prerequisite is Earth Science, Biology, Chemistry or Physics to satisfy this requirement. It is strongly recommended that students desiring to pursue careers in science, mathematics, engineering or technology take one course in all four fields: biology, chemistry, physics, and earth science. Please note, it is important to check with the college of your choice concerning science and other course requirements.

ANATOMY AND PHYSIOLOGY CP

326300CW Unit: 1

Grades: 11-12 Prerequisite: Biology AND Earth Science, Chemistry OR Physics

This course is designed for students who are interested in pursuing a career in a health related profession such as nursing, physical therapy, medical technology, medical office practices, etc. It encompasses a survey of the body systems and their functions. Students are required to participate in all lab exercises, including dissections.

ASTRONOMY CP

325100CW Unit: 1

Grades: 11-12 Prerequisites: Biology AND Earth Science, Chemistry OR Physics

Astronomy is a course which explores the universe around us. Topics include the scale of the universe, historical perspectives, stars (their lives and deaths), galaxies, solar system and space exploration, and life in the universe. This course is developed theory with projects, laboratory investigations, and other activities that supplement major topics.

BIOLOGY 1 CP

322100CW Unit: 1

Grades: 9-12 Prerequisite: Earth Science

This course is an introductory laboratory science course designed to meet the SC Curriculum Standards in Science. Students will be introduced to the major units of biological science: inquiry, biochemistry, cells, the cell cycle, cellular energy, structure and function of DNA and RNA, heredity, evolution and ecology. Critical thinking and an appreciation for the nature of science will be developed through laboratory experiences. Students planning on enrolling in a four-year college should take this course. **Students must pass this course in order to receive a state high school diploma. A state mandated end-of-course examination is required.**

BIOLOGY HONORS

322100HW Unit: 1

Grades: 9-10 Prerequisite: Earth Science Honors

This rigorous laboratory science course is for highly motivated students who have demonstrated excellent study skills and high aptitude in math or English. The course will address the major units of biology science (inquiry, biochemistry, cells, the cell cycle, cellular energy, structure and function of DNA and RNA, heredity, evolution, and ecology) in greater depth than Biology CP. The curriculum integrates writing skills, critical thinking skills, and laboratory skills as they apply to the standards. In addition, this course will emphasize microscopy, calculating data, graphing, and essay exam questions. Students planning on enrolling in AP/IB Biology or AP/IB Chemistry should take this course. **Students must pass this course in order to receive a state high school diploma. A state mandated end-of-course examination is required.**

BIOLOGY AP

327200AW Unit: 1

BIOLOGY LAB AP

327201HW Unit: 1

Grades: 11-12 Prerequisites: Biology

Students who have been most successful have completed Honors Biology. This course covers two semesters of college freshman biology. College level labs are an integral part of the class. This course is designed for academically motivated students as it prepares them to take the Advanced Placement Examination in Biology in order to earn possible college credit as well as practicing for the rigors of a four-year college curriculum. Students enrolling in AP Biology are required to concurrently take the lab portion of the course for one unit, which is an integral part of the class. Each student must take the Advanced Placement examination through The College Board at the end of the course which will determine college credit earned.

CHEMISTRY AP
CHEMISTRY LAB AP

327300AW Unit: 1
327301HW Unit: 1

Grades: 11-12 Prerequisites: Biology

This course is a college course taught in high school. College level labs are an integral part of the class. This course is designed for academically motivated students as it prepares participants to take the Advanced Placement Examination in Chemistry and to prepare students for the rigors of a four-year college curriculum. Students enrolling in Chemistry AP are required to concurrently take the lab portion of the course for one credit. Each student must take the Advanced Placement examination through the College Board for possible college credit.

CHEMISTRY CP

323100CW Unit: 1

Grade: 11-12 Prerequisites: Biology

It is recommended that this course be taken after completing Biology CP. This laboratory science course presents chemical theory, the structure and periodicity of the elements, classification of matter, types of bonding, gas laws, and other chemical concepts related to changes in matter. Laboratory experiments are conducted to demonstrate the basic concepts of the course. Students planning on enrolling in a four-year college are recommended to take this course.

CHEMISTRY HONORS

323100HW Unit: 1

Grades: 10-12 Prerequisites: Biology

This course is a rigorous, accelerated college preparatory laboratory science chemistry course for highly motivated students who have demonstrated excellent study skills and high aptitude in math. Chemistry topics covered are the same as Chemistry CP, but they are covered in much more theoretical depth and have more strenuous mathematical expectations. Much more independence will be expected of the students, both in homework and lab procedures. Students planning on enrolling in AP/IB Chemistry or AP/IB Biology should take this course.

FORENSIC SCIENCE CP

324500CW Unit: 1

Grades: 11-12 Prerequisites: Earth Science OR Biology AND Chemistry

This course is for students who are interested in the forensic science aspects of chemistry. This course will briefly review chemistry topics using a forensic science perspective. Focus will be on analytic chemistry aspects of forensic science as it pertains to evidence collection, drug chemistry/toxicology, arson investigations, chemistry of explosions, estimating time of death, dirty bombs and nuclear terrorism, poisons, and identification of victims using fingerprint analysis. Biology related areas of study include microscopy, hair and fibers, serology, and DNA. This course uses laboratory-based activities and a hands-on approach to provide students the opportunity to investigate the application of science to law.

EARTH SCIENCE CP

326500CW Unit: 1

Grades: 9-12

Earth Science is a laboratory science that provides students with a basic knowledge of the natural world that will serve as the foundation for more advanced secondary and postsecondary courses. It will provide students with science skills necessary for earth-science oriented technical careers. Units in this course include astronomy, the solid earth, the earth's atmosphere, the hydrosphere, and the paleobiosphere. There is a strong emphasis on the use and development of science process skills through labs, hands-on activities, and classroom demonstrations.

EARTH SCIENCE H

Grades: 9

326501CW Unit: 1

Earth Science Honors is designed to introduce the Earth sciences to the self-motivated student who have demonstrated excellent study skills and a strong interest in science. Students will investigate and study the interactions between the four major Earth's spheres in order to explain Earth's formation, processes, history, landscapes, how and why Earth changes over time. The course will also explore how current actions of man interact and affect Earth's spheres leading to local and global changes. Units in this course include astronomy, the solid earth, the earth's atmosphere, the hydrosphere, and the paleobiosphere. Students in the honors Earth science course should expect a higher level of rigor, cognition and quality of work than the standard course. They will become actively involved in classroom and laboratory learning experiences. They will also be involved in exploratory, experimental, and open-ended learning experiences with a faster paced, more in-depth study of material.

ENVIRONMENTAL SCIENCE CP**326102CW****Unit: 1***Grades: 9-12**Prerequisites: Earth Science AND Biology*

This course is designed to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify environmental problems both natural and man-made, to identify risks associated with these problems, and to examine alternative solutions for resolving and preventing them. This course is an interdisciplinary course using a wide variety of topics from different areas of study that can serve as a third science credit.

ENVIRONMENTAL SCIENCE AP**327700AW****Unit: 1***Grades: 10-12**Prerequisites: Biology, AND Chemistry OR Physics*

This college level course provides students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving and/or preventing them. Each student must take the Advanced Placement examination through the College Board for possible college credit.

MARINE SCIENCE CP**322500CW****Unit: 1***Grades: 11-12**Prerequisites: Biology AND Earth Science OR Chemistry*

Marine Biology is a study of the marine environment and the organisms that live in it. Topics will include, but will not be limited to, the following: the origins of the oceans; the chemical, physical, and geological aspects of the marine environment; the ecology of various sea zones; marine communities; characteristics of major marine phyla/divisions; and the interrelationship between man and the ocean. Lab investigations, including dissections, are an integral part of this course.

PHYSICAL SCIENCE CP**321100CW****Unit: 1***Grades: 11-12**Prerequisites: Earth Science and Biology*

This course is designed to serve as a foundation for college preparatory courses in the physical sciences and is particularly designed to prepare students for courses in Chemistry and Physics. Chemistry units include the structure and properties of atoms, properties and classification of matter, chemical bonding and reactions. Physics units include forces and motion, interactions of matter and energy, and energy and waves. This course is not considered a laboratory science credit as required by state supported colleges and universities.

PHYSICS CP**324100CW****Unit: 1***Grades: 11-12**Prerequisites: Geometry*

This **laboratory science** course is designed to help students appreciate the world around them, enabling them to obtain information from the world by direct measurement and by applying the Laws of Nature (Physics), and allowing them to perform experiments and draw independent conclusions consistent with their physical environment. This course helps the student think and analyze problems in the real world while preparing students for a four-year college or university. The first year Physics course will cover measurement, vectors, kinematics, statics, dynamics, momentum, work, power, energy, thermodynamics, and heat. The application of the theory will be tested with applied mathematics.

AP PHYSICS 1**328200AW****Unit: 1***Grades: 11-12**Prerequisite: Completion of Algebra II or concurrently enrolled, students should speak to the Instructor if they are concurrently enrolled in Algebra II*

AP Physics 1 is equivalent to the first semester of an introductory college level algebra-based physics course. The course covers Newtonian mechanics (including rotational dynamics and angular momentum); work, energy, power, mechanical waves and sound. It will introduce electric circuits. The course is structured around seven foundational big ideas in Physics and seven foundational science practices. Twenty-five percent of instructional time will be devoted to laboratory investigations. Emphasis is on integrating inquiry and conceptual reasoning.

AP PHYSICS 2**328300AW****Unit: 1***Grades: 11-12**Prerequisite: Completion of AP Physics 1*

AP Physics 2 is equivalent to the second semester college course in algebra-based physics. The course covers fluid statics and dynamics, thermodynamics with kinetic theory, PV diagrams and probability; electrostatics; electric circuits with capacitors; magnetic fields; electromagnetism; physical and geometric optics, and topics in modern physics. The course is structured around seven foundational big ideas in Physics and seven foundational science practices. Twenty-five percent of instructional time will be devoted to laboratory investigations. Emphasis is on integrating inquiry and conceptual reasoning.

SOCIAL STUDIES CORE

To meet the South Carolina State High School graduation requirements, students must earn three (3) units in social studies (US Government/Economics, US History), and one (1) unit of Social Studies elective. The following sequence of study is recommended:

9th Grade – World Geography

10th Grade – Modern World History

11th Grade – US History & the Constitution

12th Grade – Economics/US Government

ECONOMICS CP

335000CH

Unit: ½

Grade: 12

The goal of this course is to sharpen students' critical thinking and analytical skills in regard to the structure of the American economic system and financial literacy. The course will focus on economic principles with an emphasis on the efficient allocation of resources through the market forces of demand and supply. Students will study the principles of economics involving the production, consumption, and distribution of wealth in a market economy that is manipulated by governmental policies. In the area of financial literacy, students will also be asked to study banking and financial institutions, credit card and credit management, and stock and bond markets. Through class activities and projects, this course will prepare the college-bound student for college courses with reading skills, study skills, and technology skills.

ECONOMICS HONORS

335000HH

Unit: ½

Grade: 12

Recommended Prerequisite: At least a "B" average in US History

The goal of this course is to sharpen student's critical thinking and analytical skills in regard to the structure of the American economic system and financial literacy. The course will focus on economic principles with an emphasis on the efficient allocation of resources through the market forces of demand and supply. Students will study the principles of economics involving the production, consumption, and distribution of wealth in a market economy that is manipulated by governmental policies. In the area of financial literacy, students will also be asked to study banking and financial institutions, credit card and credit management, and stock and bond markets. Importance is placed on the development of technology skills, research skills, and writing skills that highlights both primary and secondary sources. An individual research project will be required.

MICROECONOMICS AP

337500AW

Unit: 1

Grade: 12

Prerequisite: Open to all students willing to attempt the rigors of the prescribed curriculum

This college-level course is designed to give students a thorough understanding of the principles of economics that apply to the functions of individual decision makers, both consumers and producers, within the larger economic system. It places primary emphasis on the nature and functions of markets and includes the study of factor markets and the role of government in promoting greater efficiency and equity in the economy. Students should demonstrate the ability to analyze economic situations set forth and evaluate general microeconomic principles. Independent research and outside reading are course requirements. Each student must take the Advanced Placement examination with the College Board for possible college credit.

WORLD HISTORY CP

336001CW

Unit: 1

Grade: 10

Prerequisite: Strongly urged to have taken World Geography

This college preparatory course is designed to assist students in understanding how people and countries of the world have become increasingly interconnected. In the last six hundred years, population growth, demand for resources, curiosity, and technology have converged to draw the distant corners of the world closer together. Critical thinking is central to this course, which emphasizes why and how people, ideas, and technology have made an impact on diverse groups of people.

WORLD HISTORY HONORS

336001HW

Unit: 1

Grade: 10

Prerequisite: Strongly urged to have taken World Geography

This course presents a comprehensive view of world history from 1300 to the present through an in-depth and analytical study of major events that will assist students in understanding how people and countries of the world have become increasingly interconnected. Students will discover how population growth, demand for resources, curiosity, and technology have converged to draw the distant corners of the world closer together. Critical thinking is central to this course, which emphasizes why and how people, ideas, and technology have made an impact on diverse groups of people.

US GOVERNMENT CP**333000CH****Unit: ½***Grade: 12*

The focus of this course is to sharpen students' critical thinking and analytical skills with respect to the US Federal Government, SC State Government, and Local Government. The course will focus on the operation of major American institutions such as the presidency and the offices of the executive branch, the Supreme Court and lower courts, and the American Congress. Students will also study the functions of the bureaucracy, roles of political parties, actions of interest and advocacy groups, and the impact of mass media. The course will also discuss civil liberties, civil rights, civil responsibilities, and public policies. Through class activities and projects, this course will prepare the college-bound student for college courses with reading skills, study skills, technology skills and research skills.

US GOVERNMENT HONORS**333000HH****Unit: ½***Grade: 12**Recommended Prerequisite: At least a "B" average in US History*

The focus of this course is to sharpen student's critical thinking and analytical skills with respect to the US Federal Government, SC State Government, and Local Government. The course will focus on the operation of major American institutions such as the presidency and the offices of the executive branch, the Supreme Court and lower courts, and the American Congress. Also students will study the functions of the bureaucracy, roles of political parties, actions of interest and advocacy groups, and the impact of mass media. The course will also discuss civil liberties, civil rights, civil responsibilities, and public policies. Comparisons are made between American government and other political systems. Students examine primary and secondary sources as they analyze, synthesize, and evaluate information. Emphasis is placed on the development of technology skills, research skills, and writing skills. An individual research-project is required.

US GOVERNMENT AP**337000AW****Unit: 1***Grades: 11-12**Prerequisite: Open to all students willing to attempt the rigors of the prescribed curriculum*

This college-level course gives students a critical perspective in government and politics in the United States. This course involves both the study of general concepts used to interpret American politics and the analysis of specific case studies. Students should be familiar with the various institutions, groups, beliefs and ideas that make up the American political system. Independent research and outside reading are course requirements. Students develop analytic perspectives for interpreting, understanding, and explaining political events in this country. Each student must take the Advanced Placement examination through the College Board for possible college credit.

AP COMPARATIVE GOVERNMENT*Grades 10-12***337800AW****Unit: 1**

AP Comparative Government and Politics offers students an opportunity to explore why certain countries are stable democracies while others are not. Students are also exposed to the diversity of political life by focusing on China, Great Britain, Iran, Mexico, Nigeria and Russia. Our own country is engaged in trade, military alliances, international disputes and political controversy with this list. As such it provides students with tools to understand America in relation to many current events. This course focuses on the importance of global political and economic changes. Its design is to produce useful knowledge about the institutions and policies those countries have employed—and whether such actions have had positive results. Students will identify problems and analyze policymaking in these countries to develop the skills political scientists use. The course is designed for college-bound students or those who want the challenge and opportunity to explore international politics.

US HISTORY AND THE CONSTITUTION CP**332000CW****Unit: 1***Grade: 11*

The focus of United States History and the Constitution is the story of the American people from the discovery and settlement of America by Europe to the present day a span that includes the early Native Americans, the establishment of various European colonies, the creation of the United States as a new nation during the American Revolution, the territorial expansion to the West, the American Civil War and Reconstruction, the industrialization and immigration of the late nineteenth century, and the nation's developing role in world affairs in the twentieth and twenty-first centuries. Through class activities and projects, this course will prepare the college-bound student for college courses with reading skills, study skills, technology skills and research skills. An individual research project required. Students will take the SC end-of-course examination as the final exam in this course.

US HISTORY AND THE CONSTITUTION HONORS**332000HW****Unit: 1***Grade: 11 Recommended Prerequisite: At least a B in World History Honors or AP European History*

The focus of United States History and the Constitution is the story of the American people from the discovery and settlement of America by Europe to the present day. Students examine primary and secondary sources as they analyze, synthesize, and evaluate information in order to construct sound historical interpretations with evidence. Emphasis is placed on the development of technology skills, research skills, and writing skills. An individual research project required. Students will take the SC End-Of-Course examination as the final exam in this course.

US HISTORY AND THE CONSTITUTION AP**337200AW****Unit: 1***Grades: 11-12**Prerequisites: Open to all students willing to attempt the rigors of the prescribed curriculum*

This course provides students with the opportunity to pursue college credit while still in high school and is designed to provide students with the analytic skills and factual knowledge necessary to deal critically with the problems and development of American History. The course prepares students for intermediate and advanced college courses by making demands upon them equivalent to those of full year introductory college courses. Emphasis is placed on analyzing historical data, synthesizing evidence, and evaluating the ideas of others as students develop the ability to express themselves with clarity and precision when writing essays. Each student must take the Advanced Placement examination through the College Board for possible college credit. Students will also take the SC End-Of-Course examination as the final exam in this course.

AFRICAN AMERICAN STUDIES 1 CP**339900CW****Units: 1***Grades: 10-12*

This course is designed to help students gain an understanding of the significant contributions made by African Americans to the economic, social, political, and cultural development of the United States. As a part of the overall social studies philosophy, this course aims to help students develop a sense of history, as well as an understanding and acceptance of others in a multicultural society. Students will study African American history, art, music, and literature encompassing past and present contributors on a local, national, and international scale. Students will complete individual as well as group projects, readings, and assignments with specific emphasis on developing and enhancing better reading, writing, technological, and analytical skills.

AFRICAN AMERICAN STUDIES 2 CP**339901CW****Unit: 1***Grades: 10-12**Prerequisite: African American Studies 1*

This course is designed to give serious-minded students an in-depth study into the affairs of African-Americans in the Post-Civil War era through contemporary events in the world as it relates to the African migration. This course will also focus on current affairs such as political awareness, economic empowerment, and goal setting. The political awareness component is designed to provide students with a solid understanding of the American government and prepares them to be future voting citizens. The economic empowerment component is designed to provide students with an understanding of personal finance. The goal setting portion is designed to help students develop skills to succeed in today's world and to give them a sense of self-esteem, pride and value. Students will also be able to participate in various activities such as mentoring younger students in the elementary and middle schools and teaching others in neighboring communities. Funding will be pursued through grants and various agencies.

EUROPEAN HISTORY AP**337600AW****Unit: 1***Grades: 10-12**Prerequisite: Open to all students willing to attempt the rigors of the prescribed curriculum*

This course provides students with the opportunity to pursue college credit while still in high school. The course emphasizes the chronological development of European politics and diplomacy from the Renaissance to the present and the social, economic, cultural and intellectual developments of the European people. The Advanced Placement European History program is designed for college-bound students who wish to prepare for the Advanced Placement Examination given in May by the College Examination Board. Those students who qualify may receive college credit in European History.

HUMAN GEOGRAPHY AP**337900AW****Unit: 1***Grades: 9-12**Prerequisite: Open to all students willing to attempt the rigors of the prescribed curriculum*

This course emphasizes the importance of geography as a field of inquiry and emphasizes the study of diverse groups of people and areas organized around a set of concepts. These concepts can help students understand how human geography is related to the remainder of the field. The course introduces students to the importance of spatial organization, geographic concepts, spatial interaction, spatial behavior, patterns of culture, economic use of Earth, political organization of space, and human settlement patterns, particularly urbanization. Students will also learn how to use, make, and interpret maps. Each student must take the Advanced Placement examination through the College Board for possible college credit.

INTOLERANCE AND THE HOLOCAUST**339905CH****Unit: ½***Grades: 9-12*

This course will examine a number of issues related to the human tragedy of genocide that took over nine million innocent lives. Similar atrocities in Cambodia and Bosnia will also be studied. The major focus of the course will be to closely examine human behaviors that are associated with these tragic events. An underlying theme throughout the course will be the need to practice tolerance in order to avoid such tragedies in the future.

LAW EDUCATION CP**333600CH****Unit: ½***Grades: 10-12*

This course is designed to provide students with the ability to become constructive participants in our legal system by providing them with a greater sense of justice, tolerance and fairness. The role of our legal system is given through a look at criminal law, juvenile justice, torts, consumer law, family law, housing law, individual rights, and liberties. A \$20 lab fee is required for this course.

LOWCOUNTRY HISTORY CP**339911CH****Unit: ½***Grades: 9-12***339910CW****Unit: 1**

Lowcountry History is an overview course which investigates the geography and history of the surrounding Charleston, Berkeley, and Dorchester areas as they fit into the political, economic, and social fabric of United States history in general. This investigation is done through class lectures, guest speakers and class projects to enhance the knowledge of the Lowcountry and its place in history.

MORALITY, ETHICS, AND RELIGION**339912CH****Unit: ½***Grades: 9-12*

This course begins with a careful examination of a personal decision-making process that students can then use to deal with ethical issues. After establishing a solid foundation for dealing with moral ambiguity, the class examines how moral codes operate in modern society. Finally, students explore the moral, ethical, and spiritual contributions of major religions. It is important to note that class discussion, sharing points of view in a trusting and open setting, and a willingness to explore various methods of research are important components of the course.

PSYCHOLOGY CP**334000CH****Unit: ½***Grades: 11-12*

This course in the science of behavior and mental processes will acquaint students with the basic psychological theories and tools of analysis. Students are exposed to the psychological assumptions, principles, and phenomena associated with each of the major subfields within psychology. A set of process skills that revolve around the application of the scientific method to psychological questions are central to the study of psychology. The application of the scientific method in psychology, human growth and development, cognition and learning, personality, mental health, and behavioral disorders will be explored.

PSYCHOLOGY AP**437100AW****Unit: 1***Grades: 11-12**Prerequisite: Open to all students willing to attempt the rigors of the prescribed curriculum*

This course will introduce the systematic and scientific study of the behavior and mental processes of human beings and other animals. Included is a consideration of the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. Students also learn about the ethics and methods psychologists use in their science and practice. Each student must take the Advanced Placement examination through the College Board for possible college credit.

SOCIOLOGY CP**334500CH****Unit: ½***Grades: 9-12*

This course introduces the concepts of culture, groups, personality, collective behavior, and the mass media. Group activities and role-playing are stressed. Concepts of sociology are applied in dealing with social problems such as civil rights, crime, poverty, and ecology.

WORLD GEOGRAPHY CP*Grade 9***331001CW****Unit: 1**

This focus of this college preparatory course is the physical and cultural characteristics of Earth. The course is organized systematically around the topics of region, physical earth dynamics, population, culture, economic systems, urban systems, political systems, and the environment. Critical thinking will be emphasized in this course, with stress placed on the development of spatial thinking skills and competency related to the five themes of geography: location, place, regions, movement, and human-environment interaction.

WORLD GEOGRAPHY HONORS*Grade: 9***331001HW****Unit: 1**

This course presents a comprehensive view of world geography, the focus of which will be the physical and cultural characteristics of Earth. The course is organized systematically around the topics of region, physical earth dynamics, population, culture, economic systems, urban systems, political systems, and the environment. Critical thinking will be emphasized in this course, with stress placed on the development of spatial thinking skills and competency related to the five themes of geography: location, place, regions, movement, and human-environment interaction.

NON-CORE GENERAL ELECTIVES

AFRICAN AMERICAN LITERATURE

309926CW

Unit: 1

Grades: 10-12

Prerequisite: Successful completion of English 2

This course will provide students with an overview of the African-American literary tradition and an appreciation for the significant contributions made by African-Americans in literature. Students in this course will engage closely with literary and cultural texts from various genres and eras so as to identify how African-American artists, authors, and playwrights make use of vernacular forms in their works. An interdisciplinary approach will employ a range of secondary sources, including African-American literary theory and to locate this rich body of literature within historical, political, and cultural contexts. Students will complete individual and group projects, readings and assignments with specific emphasis on developing and enhancing better reading, writing, technology, and analytical skills along with participating in extracurricular activities.

WORLD MYTHOLOGY

309953CH

Unit ½

Grades: 10-12

This course includes an exploration of historic mythology, modern mythology, and urban legends. It provides students with detailed, in-depth knowledge about the unique facets of World Mythology. Students will learn about the historic and modern relevance mythological works.

SPORTS IN SOCIETY

339931CH

Unit ½

Grades: 9-12

This course will be designed to provide students with a basis for understanding the sports industry and broader economic, political, religious, cultural, ethnic, and social systems that apply to the world of sports. Students will be encouraged to read about, watch, discuss and analyze current sports-related controversies and topics as a way to develop critical thinking, reading, and writing skills.

CONTENT LITERACY FOR INTERNATIONAL STUDENTS 1

309932CW

Unit: 1

Grade: 9

Prerequisites: Must meet eligibility for the ESOL Program

This course is designed for ESOL students of all English Proficiency levels. It will focus on the regular classroom curriculum of ninth grade following South Carolina's standards. The emphasis will be on content area concepts and vocabulary in the sciences, mathematics, social studies, and English.

CONTENT LITERACY FOR INTERNATIONAL STUDENTS 2

309933CW

Unit: 1

Grade: 10

Prerequisites: Must meet eligibility for the ESOL Program

This course is designed for ESOL students of all English Proficiency levels. It will focus on the regular classroom curriculum of tenth grade following South Carolina's standards. The emphasis will be on content area concepts and vocabulary in the sciences, mathematics, social studies, and English. Course will include preparation for the HSAP exam.

CONTENT LITERACY FOR INTERNATIONAL STUDENTS 3

309934CW

Unit: 1

Grade: 11

Prerequisite: Must meet eligibility for the ESOL Program

This course is designed for ESOL students of all English Proficiency levels. It will focus on the regular classroom curriculum of eleventh grade following South Carolina's standards. The emphasis will be on content area concepts and vocabulary in the sciences, mathematics, social studies, and English. Course will include preparation for the HSAP exam.

CONTENT LITERACY FOR INTERNATIONAL STUDENTS 4

309935CW

Unit: 1

Grade: 12

Prerequisite: Must meet eligibility for the ESOL Program

This course is designed for ESOL students of all English Proficiency levels. It will focus on the regular classroom curriculum of twelfth grade following South Carolina's standards. The emphasis will be on content area concepts and vocabulary in the sciences, mathematics, social studies, and English. Course will include preparation for the HSAP exam.

ENGLISH ESSENTIALS**309900CW****Unit: 1***Grades: 9-10*

This course will focus on college and career readiness standards. Students are identified and placed in the course by performance on standardized tests and performance in English I. The intent of this course is to bridge the gap as students take on the rigors of English II.

MATH ESSENTIALS 9**309900CW****Unit: 1****MATH ESSENTIALS 10****319903CW***Grades: 9-10*

The purpose of this course is to provide strategies for algebraic reasoning and problem solving in the real world. Emphasis on operation with fractions and integers to include integration of technology will be addressed. Students are identified and placed in this course by performance on standardized tests, universal screener, and performance in prior mathematics courses.

READING POWER**309923CW****Unit: 1***Grades: 9-12**Prerequisites: Successful completion of English I or a recommendation from English I teacher*

This course is designed to help students practice reading purposefully and to help students increase their skills in remembering what they read. This course is aimed at increasing reading power, refining reading and study habits, and developing vocabulary. The class focuses on reading strategies, reading comprehension, test-taking strategies, and exposing students to a wide variety of readings using self-selected young adult literature, not textbooks.

FRESHMAN SEMINAR S**308600CW****Unit: 1****FRESHMAN SEMINAR S****308600CH****Unit: ½****ENGLISH LAB S****308601CW****Unit: 1****ENGLISH LAB S****308601CH****Unit: ½****ENGLISH ESSENTIALS S****308602CW****Unit: 1****ENGLISH ESSENTIALS S****308602CH****Unit: ½****LANGUAGE ARTS LAB S****308603CW****Unit: 1****LANGUAGE ARTS LAB S****308603CH****Unit: ½***Grades: 9-12*

These courses are designed for students who need the most support. Various programs, resources and materials are used to improve phonemic awareness and reading comprehension.

FRESHMAN SEMINAR L/ENGLISH FOUNDATIONS 9L**308611CW/308645CW****Unit: 1****308611CH/308645CH****Unit: ½****ENGLISH LAB L/ENGLISH FOUNDATIONS 10L****308615CW/308646CW****Unit: 1****308615CH/308646CH****Unit: ½****ENGLISH ESSENTIALS L/ENGLISH FOUNDATIONS 11L****308636CW/308647CW****Unit: 1****308636CH/308647CH****Unit: ½****LANGUAGE ARTS LAB L/ENGLISH FOUNDATIONS 12L****308639CW/308648CW****Unit: 1****308639CH/308648CH****Unit: ½***Grades: 9-12*

These courses deliver intensive instruction and a powerful approach that accelerates the reading and writing process. The curriculum utilized within this course is designed to support any student who requires extra skill practice. The courses are designed to help students achieve reading gains. *Language!* is the comprehensive literacy curriculum that is utilized in these courses.

FRESHMAN SEMINAR R/ENGLISH FOUNDATIONS 9R	309909CW/309919CW	Unit: 1
FRESHMAN SEMINAR R/ENGLISH FOUNDATIONS 9R	309909CH/309919CH	Unit: ½
ENGLISH LAB R/ENGLISH FOUNDATIONS 10R	309910CW/309920CW	Unit: 1
ENGLISH LAB R/ENGLISH FOUNDATIONS 10R	309910CH/309920CH	Unit: ½
ENGLISH ESSENTIALS R/ENGLISH FOUNDATIONS 11R	309925CW/309929CW	Unit: 1
ENGLISH ESSENTIALS R/ENGLISH FOUNDATIONS 11R	309925CH/309929CH	Unit: ½
LANGUAGE ARTS LAB R/ENGLISH FOUNDATIONS 12R	309937CW/309914CW	Unit: 1
LANGUAGE ARTS LAB R/ENGLISH FOUNDATIONS 12R	309937CH/309914CH	Unit: ½

Grades: 9-12

A comprehensive reading intervention program, READ 180, is utilized within this course. The course is actually taught as two courses, meaning the length of this course is two class periods. READ 180 combines research-based reading practices with the effective use of technology, offering students an opportunity to achieve reading success through a combination of instruction, modeled, and independent reading components.

SAT/ACT PREPARATION MATH	415000CQ	Unit: ¼
SAT/ACT PREPARATION VERBAL	401100CQ	Unit: ¼

Grades: 11-12

Prerequisite: Students will be placed in this course, or they may select to take this course.

This course will help prepare the student to take the SAT, ACT, and WorkKeys assessments. This “College and Career Readiness” course will focus on verbal skills, writing skills, math skills, vocabulary development, and test-taking strategies.

HIGH SCHOOL 101 **Unit: 1**

High School 101 will focus on providing new high school students (9th graders) with the skills necessary to be successful during high school as well as post-secondary pursuits. The course will address many of the challenges teens face, which prevent them from experiencing a smooth transition into the high school setting. Topics will include but are not limited to the following: goal setting, study skills, time management, academic planning, financial literacy, employability/soft skills, comprehensive health education, resume writing, and job interview skills.

STUDENT VOLUNTEER	379901CH	Unit: ½
<i>Grades: 11-12</i>	<i>Prerequisites: Selection Process; proof of insurance coverage</i>	379901CW Unit: 1

The student volunteer program provides students with an opportunity to become actively involved in the community through volunteer work. Students must provide their own transportation if volunteering off campus. Students will meet with the coordinating teacher at the beginning of the semester for classroom instruction. Students may volunteer during their Student Volunteer class period or off campus during or after school hours. Students must complete five hours of volunteer service per week. Punctuality and regular attendance will be monitored. Reports from the supervisor will be completed on a monthly basis. A maximum of two credits (one per year) may be earned during high school. A student may not enroll in two work based learning courses during the same semester.

WORK BASED LEARNING/SCHOOL TO WORK	379983CW	Unit: 1
<i>Grades: 11-12</i>		

This course is for students interested in career exploration in order to gain a better understanding of the relationship between rigorous and relevant education and employment success. The Career Development Office of Dorchester District Two provides internships for students who are interested in gaining exposure and experiences in a career field. Students are screened by grades, attendance, and discipline. Students enrolled in Career and Technology Education (CTE) complete programs will not be able to participate in this initiative since they will have the opportunity to enroll in work based learning programs within their cluster/major of study. Opportunities in this program may be paid or non-paid. Students should meet with their counselor to share their career plans and be sure they have time in their schedule to enroll in work based learning. Students must be able to accrue a minimum of 180 hours to earn one high school credit. A maximum of two credits may be earned during high school. A student may not enroll in two work based learning courses during the same semester.

SUPPORT COURSES

SPECIALIZED INSTRUCTION

Specialized Instruction is provided to students with IEPs in a variety of settings: consultation, learning labs, strategic resource rooms, co-teaching classrooms (special education teacher co-teaching with general education teacher), and self-contained classes. Services are provided to students in accordance with their individual needs and their IEP requirements. Strategies courses qualify as elective credit and students must also meet the graduation requirements for a South Carolina High School Diploma.

AFFECTIVE STRATEGIES

Unit: 1

Grades: 9-12

Skills are taught so that students can deal positively with stressful and conflicting situations. Behavior management techniques will be practiced, giving students tools to enable them to make life decisions.

REFERENCE AND STUDY SKILLS

Unit: 1

Grades: 9-12

Goals of reading, math, and written expression will be addressed as students are given the opportunity to make effective use of reference materials, study skills, and learn effective learning strategies. Texts from other courses may be utilized for some lessons.

STRATEGIES IN ENGLISH

Unit: 1

Grades: 9-12

This course will provide remedial help in the areas of basic reading, reading comprehension, written expression, and exit exam skills. It also provides instruction and reinforcement of higher-level English skills necessary to be successful in mainstreamed English classes if deemed appropriate by the IEP.

STRATEGIES IN MATH

Unit: 1

Grades: 9-12

This course will provide remedial help in basic mathematical operations, reasoning, and exit exam skills. It also provides instruction and reinforcement of higher-level math skills necessary to be successful in mainstreamed math classes if deemed appropriate by the IEP.

SELF-CONTAINED CLASSES

Those students in need of alternative curriculum in preparation for employment and/or post high school training will participate in the InVest Employability Program. This specially designed program is for students with special needs who are pursuing the Dorchester School District Two Occupational Credential. This program offers high quality experiences and academic instruction that will provide maximum opportunity for the student to acquire meaningful employment opportunities upon graduation. Life Skill courses taken qualify as electives and do NOT apply towards the South Carolina High School Diploma.

LIFE SKILLS COMPUTER LITERACY

Grades: 11-12

Students will receive instruction and practice in keyboarding, proper use of emails, and internet research. Emphasis will be on career related terminology and applications.

LIFE SKILLS ENGLISH 11-12

Students receive instruction in the LanguageLive! program daily. The students will gain skills in the fluency, vocabulary, analysis of text, reading process, comprehension, communication, and writing. Instruction is further individualized according to the IEP. Students will focus language skills as they apply to employment. Career readiness instruction and assessments, including the mandated assessment(s) from the state will be accessible to students to support employment.

LIFE SKILLS MATH 10-12

10th grade students receive instruction to include whole numbers, number theory, numeration, real world math, arithmetic, calculation, decimals, money, percentages, measurement, fractions, and basic algebra and calculator skills. Instruction will be further individualized according to the IEP. Instruction beyond 10th grade will focus on work application of math skills. Career readiness instruction and assessments, including mandated assessment(s) from the state will be accessible to students to support employment.

LIFE SKILLS SCIENCE 11-12

Instruction rotates each year and may center on Body Systems where topics may include blood, circulatory system, digestive system, respiratory system, excretory system, nervous system, or the skeletal system. Or, instruction may center on Earth Science where topics may include Astronomy, Earth's Geosphere, Earth's Paleobiosphere, Earth's Atmosphere – Weather and Climate, or Earth's Hydrosphere

LIFE SKILLS SOCIAL STUDIES 11-12

Instruction rotates each year and will center on Global Civics, U.S. Civics, and S.C. Civics. Topics may include world history, world geography, U. S. geography, U. S. government, U. S. history, S. C. history, and current events.

LIFE SKILLS VOCATIONAL 11-12

Students will build on skills and interest determined by interest inventories and individual assessments. Students will participate in community based experiences, work-based learning, job shadowing, and mock interviews. Instructional topics may include career goals, self-advocacy in the workplace, conflict resolution, and personal finance management. Older students preparing for graduation will participate in work-based learning to develop skills to be gainfully employed.

South Carolina High School Credential

*The uniform state-recognized SC High School Credential is aligned with the State's Profile of the South Carolina Graduate and to a newly created course of study for these students with disabilities whose Individualized Education Program (IEP) team determines this course of study is appropriate. The purpose of the SC High School Credential is to provide equitable job-readiness opportunities for these students throughout the state, ensure they have evidence of employability skills, and honor the work they have undertaken in our public schools. The SC High School Credential is only applicable for students with an IEP and is **NOT** a high school diploma.*

ESSENTIALS OF ENGLISH I

Essentials of English I emphasizes English Language Arts literacy concepts that are aligned to the South Carolina College and Career-Ready Standards and the Profile of the South Carolina Graduate. This course will provide an integrated model of literacy and self-determination skills necessary for daily living and the world of work. The integrated model of literacy for this course will focus on inquiry, analysis and communication to explore literary, informational, and non-print text.

ESSENTIALS OF ENGLISH II

Essentials of English II emphasizes English Language Arts literacy concepts that are aligned to the South Carolina College and Career-Ready Standards and the Profile of the South Carolina Graduate. This course will provide an integrated model of literacy and self-determination skills necessary for daily living and the world of work. This course will focus on immersion of effective communication skills in both daily living and employment settings with the use of standard rules of convention and syntax to give and request information.

ESSENTIALS OF ENGLISH III

Essentials of English III emphasizes the English 3 course of study aligned to the South Carolina College and Career-Ready Standards and the Profile of the South Carolina Graduate. This course will provide an integrated model of literacy and self-determination skills necessary for daily living and the world of work. This course will focus on reading, written, and oral expression of information required in a variety of daily living and employment settings.

ESSENTIALS OF MATH I

Essentials of Math I emphasizes basic mathematical concepts needed to compute real world algebraic problems that are aligned to the South Carolina College and Career-Ready Standards and the Profile of the South Carolina Graduate. This course will allow students to make sense of problems and persevere in solving them as well as connect mathematical ideas and real-world situations through modeling. Students will use a variety of mathematical tools effectively and strategically.

ESSENTIALS OF MATH II

Essentials of Math II emphasizes basic mathematical concepts needed to compute real world algebraic problems that are aligned to the South Carolina College and Career-Ready Standards and the Profile of the South Carolina Graduate. This course will allow students to identify and utilize structure and patterns as well as communicate mathematically and approach mathematical situations with precision utilizing mathematical tools effectively.

ESSENTIALS OF MATH III

Essentials of Math III emphasize the mathematical concepts needed to compute real world algebraic and geometric problems that are aligned to the South Carolina College and Career-Ready Standards and the Profile of the South Carolina Graduate. This course will allow students to identify and utilize structure and pattern as well as communicate mathematically and approach mathematical situations with precision utilizing mathematical tools effectively.

ESSENTIALS OF SCIENCE I (Biology)

Essentials of Science I emphasizes the **Biology** course of study aligned to the South Carolina College and Career-Ready Standards and the Profile of the South Carolina Graduate. This course will allow students to engage in problem solving, decision making, critical thinking, and applied learning to become scientifically literate and consumers of scientific information.

ESSENTIALS OF SCIENCE II (Physical Science)

Essentials of Science II emphasizes the **Physical Science** course of study aligned to the South Carolina College and Career-Ready Standards and the Profile of the South Carolina Graduate. This course will allow students to engage in core concepts (patterns; cause and effect; scale, proportion, and quantity; systems and system models; energy and matter, structure and function; stability and change) to become scientifically literate and consumers of scientific information.

ESSENTIALS OF SOCIAL STUDIES (U.S. History and the Constitution)

Essentials of Social Studies I emphasizes **United States History and the Constitution** course of study aligned to the South Carolina Standards and the Profile of the South Carolina Graduate. This course will provide a reward of literacy for the 21st century student. This course will allow students to engage in problem solving, decision making, critical thinking, and applied learning required in citizenship.

ESSENTIAL OF SOCIAL STUDIES II (U.S. Government and Geography)

Essentials of Social Studies II emphasizes the system of **Government of the United States** and understanding the nature and purpose of government. This course will further emphasize geography relating to map and global skills.

EMPLOYABILITY EDUCATION I – Career Awareness and Exploration

The Employability Education I course is designed for students to explore interests, research careers, create resumes, practice interview skills, and conduct informational interviews and job shadows. This course is designed to introduce students to the fundamental attitudes, behaviors, and habits needed to obtain and maintain employment and make career advancements. Students will participate in school-based learning activities including work ethic development, job-seeking skills, decision-making skills, and self-management. Students will begin a career portfolio as part of the requirements for the South Carolina High School Credential. Formal career planning and development of knowledge regarding transition planning begins in this course and continues throughout the strand of the employability education courses.

EMPLOYABILITY EDUCATION II – Advance Awareness and Exploration

The Employability Education II course is designed to develop skills generic to all career majors; resource management, communication, interpersonal relationships, technology, stamina, endurance, safety, mobility skills, motor skills, teamwork, sensory skills, problem solving, cultural diversity, information acquisition/management, and self-management. This course content is focused on providing students with a repertoire of basic skills that will serve as a foundation for future career application. Students will expand their school-based learning activities to include school-based job shadowing and work-based learning activities. Job seeking skills also will be refined. Students may be involved in on-campus vocational training activities such as school-based enterprises, hands-on vocational training in career education courses and the operation of school-based enterprises. Additionally, the course will continue the focus on the development of self-determination skills as well as the career portfolio.

EMPLOYABILITY EDUCATION III

The Employability Education III course is designed to continue the development and begin the application of employability skills. Work-based learning activities are provided including school-based enterprises, community-based training, job shadowing, job sampling, internships, situational assessment and apprenticeships. These work-based activities allow students to apply employability skills to a variety of employment settings and demonstrate the effectiveness of their work personality. Multiple opportunities for leadership and self-determination development are provided.

ESSENTIALS OF TECHNOLOGY

Essentials of Technology emphasizes the Computer Science course of study aligned to the South Carolina Computer Science High School Standards. This course of integrated content and process standards will enable students to develop world-class knowledge, skills, life, and career characteristics identified in the Profile of the South Carolina Graduate as a computer literate student. Note: Every student must have regular access to a computer to fulfill the requirements of this course.

School of Arts & Humanities

International Baccalaureate Programme Courses

The International Baccalaureate (IB) Diploma Programme is an advanced academic program offered at FDHS for high school juniors and seniors that emphasizes international and intercultural understanding and enrichment. The IB program encourages students to think broadly, beyond the boundaries of their communities, and to see themselves as members of a global society. Students are encouraged to take advantage of the full IB Diploma Programme, however, students may take IB courses for certificates only.

FDHS IB Programme Suggested Course Sequence

**courses in red are taken by all IB Diploma candidates*

	9 th Grade	10 th Grade	11 th Grade	12 th Grade
English (Language A) Group 1	English 1 Honors or English 2 Honors	English 2 Honors or English 3 Honors	<i>*IB English Literature & Language HL-1</i>	<i>*IB English Literature & Language HL-2</i>
Mathematics Group 5	Algebra 1 Honors Geometry Honors Algebra 2 Honors	Geom.H & Algebra 2 H Algebra 2 Honors Pre-Calculus	Pre-Calculus Honors Pre-Calculus Honors Math IB SL IB Mathematics HL-1	Math Studies IB SL Math Studies IB SL AP Calculus Mathematics HL-2
Experimental Science Group 4	Physical Science H & Biology Honors (concurrently)	Biology Honors Chemistry Honors	IB Biology HL 1 IB Chemistry HL 2 IB Exercise & Sports Physiology SL IB Environmental Systems SL	IB Biology HL 2 IB Chemistry HL 2 IB Exercise & Sports Physiology SL IB Environmental Systems SL
Social Studies Group 3	World Geography Honors AP Human Geography	Modern World History Honors AP European History	<i>*IB History of the Americas 1</i> <i>*Theory of Knowledge 1</i> IB Philosophy SL IB Psychology SL <i>Economics & US Government (suggested summer course)</i>	<i>*IB History of the Americas 2</i> <i>*Theory of Knowledge 2</i> IB Philosophy SL IB Psychology SL
World Languages (Language B) Group 2	Spanish 1, French 1, or German 1 Spanish 2, French 2, German 2	Spanish 2, French 2, German 2 Spanish 3 Honors French 3 Honors German 3 Honors	Spanish 3 Honors French 3 Honors German 3 Honors IB Spanish HL 1 IB Spanish B SL IB French SL IB German SL	IB Spanish B SL IB French B SL IB German B SL IB Spanish HL 2
The Arts & Electives Group 6	IB Visual Arts A SL IB (Visual Arts) Photography SL		<i>*Creativity Action Service (CAS) & *Extended Essay</i>	<i>*Creativity Action Service (CAS) & *Extended Essay</i>

Information about IB coursework:

Students who have English 1 Honors credit from 8th grade will take English 2 Honors. Other 9th grade students will take English 1 Honors.

Spanish *ab initio* will fulfill the Group 2 requirements for an IB Diploma. This option allows students who do not begin their foreign language instruction as freshmen to participate in the IB Diploma Programme. The curriculum of Spanish *ab initio* is designed to be finished in two years.

Theory of Knowledge is a core course required by the IB Organization; the 100 required hours for this course will be fulfilled through out-of-class experiences and assignments.

Students are required to submit an extended essay to the IB Organization during their senior year.

Students are required to complete Creative, Action, and Service Projects (CAS) during their junior and senior years.

Requirements for graduation must still be met for a high school diploma.

Students seeking to earn the IB diploma must take 1 IB Math.

English Language & Literature

IB ENGLISH A1 HL-1

301B00IB

Unit: 1

Grade Level: 11th

Prerequisite: English II

IB ENGLISH A1 HL-2

301C00IB

Unit: 1

Grade Level: 12th

Prerequisite: IB HL-1

This course is a new version of IB HL World Literature. Language A: Language and Literature, HL- 1 and HL-2. The first year course is a study of language with a wider aim of "critical literacy" in students. In the first year, many types of texts, both literary and non-literary, are studied as well as formal and cultural elements that are used to create meaning in a text. In the second year, the study of literature in translation from other cultures contributes to a global perspective and an understanding of the different ways in which cultures influence and shape the experiences of life common to all humanity.

Also, students in these courses will be eligible to take the AP Language test after the first year and the AP Literature test after the second year. Scoring well in the course and assessments offers the possibility of college credit.

Note: Students enrolled in these courses will be expected to complete all internal and external assessments that are required by the International Baccalaureate Organization.

Mathematics

IB MATHEMATICAL STUDIES SL

311B00IW

Unit: 1

Grade Level: 11th or 12th Prerequisite: Algebra II Honors and Geometry Honors

This college level course is designed for students with varied backgrounds and abilities and whose College plans do not include majoring in a STEM field. This course is most appropriate for students who intend to major in fields such as Arts, Business, Social Sciences, Languages, and Humanities. The aim of the course is to expose students to the broad aspects of mathematics and provide the skills needed to cope with the mathematical demands of our technological society while extending their study of functions, data analysis, logic, introductory calculus, geometry and trigonometry. **Note: Students enrolled in this course will be expected to complete all internal and external assessments that are required by the International Baccalaureate Organization.**

IB MATHEMATICS HL-1

311D00IW

Unit: 1

Grade Level: 11th

Prerequisite: Pre-Calculus Honors

IB MATHEMATICS-HL-2

311E00IW

Unit: 1

Grade Level: 12th

Prerequisite: IB Mathematics HL 1

This course is designed for students with a strong mathematics background in analytical and technical skills. Students who enroll in this course intend to study mathematics, physics, engineering or another STEM field at the university level. The course focuses on developing important mathematical concepts in a comprehensible, coherent and rigorous manner. Students are encouraged to apply mathematical knowledge to solving problems in a variety of contexts. Development of each concept features justification and proof of the results. Students undertaking this course are expected to develop insight into mathematical form and structure and learn to appreciate the links between concepts in different topic areas. Students can challenge the AP Calculus AB exam upon completion of the first course and are required to take the IB Math HL exam upon completion of the second course.

Note: Students enrolled in this course will be expected to complete all internal and external assessments that are required by the International Baccalaureate Organization.

IB CHEMISTRY HL-1
323B01IW
Unit: 1
Grade Level: 11th
Prerequisite(s): Biology-H and Chemistry-H
IB CHEMISTRY HL-2
323C02IW
Unit: 1
Grade Level: 12th
Prerequisite: IB Chemistry HL I

Topics covered are quantitative chemistry, atomic structure, periodicity, bonding, energetic, kinetics, equilibrium, acids/bases, oxidation/reduction, organic chemistry and measurement/data processing. Two additional options will be included. Includes extensive laboratory investigations. **Note: Students enrolled in this course will be expected to complete all internal and external assessments that are required by the International Baccalaureate Organization.**

IB CHEMISTRY SL
323A12IW
Unit: 1
Grade Level: 11th or 12th
Prerequisite(s): Biology-H and Chemistry-H

Topics covered are quantitative chemistry, atomic structure, periodicity, bonding, energetic, kinetics, equilibrium, acids/bases, oxidation/reduction, organic chemistry and measurement/data processing. Two additional options will be included. Includes extensive laboratory investigations. **Note: Students enrolled in this course will be expected to complete all internal and external assessments that are required by the International Baccalaureate Organization.**

IB BIOLOGY HL 1
322B00IW
Unit: 1
Grade Level: 11th
Prerequisite: Biology, Chemistry, Algebra II
IB BIOLOGY HL-2
322C00IW
Unit: 1
Grade Level: 12th
Prerequisite: IB Biology HL 1

This course focuses on the role of biological science in the student's life and is designed to help students develop inquiry skills based on biological methodology. Students will gain an international awareness of the biological science through an in-depth study of the multicultural scientist who have shaped the field of biology through research in international disease, global environmental issues and the impact of biological sciences on many cultures. The curriculum requires students to complete an extensive subject specific core of topics including chemistry of life, cell biology, genetics, ecology, human health and physiology. HL students must also include additional topics in molecular genetics, cell energetics, applied genetics, human reproduction and development, immunology, taxonomy, neurology and other systems, taxonomy and independent research. Students must maintain a portfolio of internal assessments of numerous laboratories, and they must complete part of their school Group IV project, which is an interdisciplinary project with all other IB students. This course counts as a lab science. **Note: Students enrolled in this course will be expected to complete all internal and external assessments that are required by the International Baccalaureate Organization.**

IB BIOLOGY SL
322A00IW
Unit: 1
Grade Level: 11th or 12th
Prerequisite: Biology, Chemistry, Algebra II

This course focuses on the role of biological science in the student's life and is designed to help students develop inquiry skills based on biological methodology. Students will gain an international awareness of the biological science through an in-depth study of the multicultural scientist who have shaped the field of biology through research in international disease, global environmental issues and the impact of biological sciences on many cultures. Students will be assessed using tests, quizzes, essays, student presentations, lab experiments/reports and research. Students will also take the internal and external IB assessments. This course does not have the depth of IB Biology HL. Students wishing a higher degree of Biology content should consider taking IB Biology HL. SL Biology students must also work on the Group IV project. This course counts as a lab science. **Note: Students enrolled in this course will be expected to complete all internal and external assessments that are required by the International Baccalaureate Organization.**

IB ENVIRONMENTAL SYSTEMS SL
326A00IW
Unit: 1
Grade Level: 11th or 12th
Prerequisite: Biology and Chemistry, Algebra 2

This course is designed to analyze and interpret environmental principles and methodologies from an interdisciplinary approach. Students will design and perform creative experiments, evaluate results, and examine alternative solutions. Students will qualitatively and quantitatively examine natural and man-made phenomenon and evaluate associated risks. There are seven main topics: Systems and Models, The Ecosystem, Human population, carrying capacity and resource use, Conservation and Biodiversity, Pollution Management, The issue of Global Warming, Environmental Value System. Quantitative analysis requires math skills. Participation in the IB Group IV Project is expected. **Note: Students enrolled in this course will be expected to complete all internal and external assessments that are required by the International Baccalaureate Organization.**

IB SPORTS, EXERCISE AND HEALTH SCIENCE SL**322E00IW****Unit: 1***Grade Level: 11th or 12th Prerequisites: Biology H and Chemistry H*

The course incorporates the traditional disciplines of anatomy and physiology, biomechanics, psychology and nutrition, which are studied in the context of sport, exercise and health. Students will cover a range of core and option Eartopics and carry out practical (experimental) investigations in both laboratory and field settings. This will provide an opportunity to acquire the knowledge and understanding necessary to apply scientific principles and critically analyze human performance. Where relevant, the course will address issues of international dimension and ethics by considering sport, exercise and health relative to the individual and in a global context. **Note: Students enrolled in this course will be expected to complete all internal and external assessments that are required by the International Baccalaureate Organization.**

Social Sciences**IB PSYCHOLOGY SL (HHIHS)****334A00IW****Unit: 1***Grade Level: 11th or 12th*

The equivalent of a one-semester introductory college course in psychology, the major content areas of this course include: methods, approaches, and history; biological bases of behavior; sensation and perception; states of consciousness; learning; cognition; motivation and emotion; developmental psychology; personality; testing and individual differences; abnormal psychology; treatment of psychological disorders; and social psychology.

Note: Students enrolled in this course will be expected to complete all internal and external assessments that are required by the International Baccalaureate Organization.

IB THEORY OF KNOWLEDGE 1 & 2*Grade Level: 11th***373A O O H H Part 1****Unit: 1***Grade Level: 12th***373BOOHH Part 2****Unit: 1**

This interdisciplinary course is the key element in the educational philosophy of the IB; its purpose is to stimulate critical reflection upon knowledge and experiences, and to develop a personal mode of thought based on critical examination of evidence and argument. It seeks to develop a coherent approach to learning that transcends and unifies the academic subjects and encourages appreciation of other cultural perspectives. **Note: Students enrolled in this course will be expected to complete all internal and external assessments that are required by the International Baccalaureate Organization.**

IB HISTORY OF THE AMERICAS HL-1**336C00IW****Unit: 1***Grade Level: 11th***IB HISTORY OF THE AMERICAS HL-2****336D00IW****Unit: 1***Grade Level: 12th*

In its structure and breadth IB History of The Americas HL is an in-depth study of the major social, political economic, military and cultural developments that have shaped American Civilization. Each student will master the arts of analytical writing, document analysis and interpretation, historiography as well as examine historical issues in Socratic seminar. Each student will be required to read and critique several historical works outside of the standard course material. **Students may take the AP US History exam. All students will be required to take the US History EOC in their junior year.**

Note: Students enrolled in this course will be expected to complete all internal and external assessments that are required by the International Baccalaureate Organization.

IB PHILOSOPHY SL**338A00IW****Unit: 1***Grade Level: 11th or 12th*

The IB philosophy course aims to be inclusive and to deal with a wide range of issues that can be approached in a philosophical way. A concern with clarity of understanding lies at the core of the philosophy course. This clarity is achieved through critical and systematic thinking, careful analysis of arguments, and the study of philosophical themes and a close reading of texts. Through this examination of themes and texts, the philosophy course allows students to explore fundamental questions that people have asked throughout human history. **Note: Students enrolled in this course will be expected to complete all internal and external assessments that are required by the International Baccalaureate Organization.**

World Languages

IB FRENCH B SL

361G00IW

Unit: 1

Prerequisites: French 3 Honors

This course satisfies the Language B component of IB. It expands on the comprehension and production of language skills by focusing on the study of French and Francophone issues of global interest in a variety of formats. Emphasis is on grammatical and critical analysis and the formulation and defense of opinion.

Note: Students enrolled in this course will be expected to complete all internal and external assessments that are required by the International Baccalaureate Organization.

IB GERMAN B SL

362G12IW

Unit: 1

Prerequisites: German 3 Honors

This course satisfies the Language B component of IB. This course is designed for students with some previous learning of the language. The main focus is on language acquisition and development of language skills through the study and use of a range of written and spoken material. **Note: Students enrolled in this course will be expected to complete all internal and external assessments that are required by the International Baccalaureate Organization.**

IB SPANISH HL -1

365H00IW

Unit: 1

IB SPANISH HL-2

365I00IW

Unit: 1

Prerequisite: Spanish 3 Honors

This course satisfies the Language B component of IB. Emphasis is on mastering proficiency in comprehension, analysis and synthesis of authentic materials from all core curriculum areas, literature of the Spanish-speaking world, and global issues in a wide variety of formats. Students research, discuss and evaluate information using classroom debate, media technology and community. Students will write critical essays of 500 words or more. Class is conducted in Spanish. There will be daily written and conversational exercises. **Note: Students enrolled in this course will be expected to complete all internal and external assessments that are required by the International Baccalaureate Organization.**

IB SPANISH B SL

365G00IW

Unit: 1

Prerequisite: Spanish 3 Honors

This course satisfies the Language B component of IB. It provides an overview of the literature of the Hispanic world, as well as the history and art of Spain. There is a general grammar review with greater stress on oral skills and writing skills. Students will write weekly essays of 250 words or more. Class is conducted in Spanish. **Note: Students enrolled in this course will be expected to complete all internal and external assessments that are required by the International Baccalaureate Organization.**

IB SPANISH Ab Initio SL

365F01IW

Unit: 1

Prerequisite: Student must be an IB Diploma Candidate

Spanish ab initio gives students an opportunity to further their linguistic skills by taking up a second foreign language, or by learning a foreign language for the first time. Completion of the internal and external assessments for Spanish ab initio completes the requirements for Group 2 (second language) in the IB Diploma Programme. The course focuses on everyday situations and aspects of Spanish culture related to them, with a focus on communication. Students will learn to communicate information and basic ideas, to understand and use essential spoken and written Spanish, and to develop an awareness of Spanish culture. **Note: Students enrolled in this course will be expected to complete all internal and external assessments that are required by the International Baccalaureate Organization.**

The Arts

IB VISUAL ARTS A SL

IB VISUAL ARTS – PHOTOGRAPHY SL

351A00IW

Unit: 1

The IB Visual Arts course provides students with opportunities to explore Art on many levels namely: Aesthetic (Visual) -a) Cultural, b) Social, c) Personal. Students may produce work through drawing, painting, printmaking, sculpture, textiles, mixed media, and electronic media and through utilizing found objects. IB Visual Arts allows students to develop a critical and intensely personal view of themselves in relation to the world. The emphasis within the course will be on growth and commitment through the study of art and on the interrelationship between research and artistic production. **NOTE: There may be offerings in specific focus areas depending on enrollment such as Photography, Painting/Drawing/2D**

- Please contact your IB coordinator for more information. Note: Students enrolled in this course will be expected to complete all internal and external assessments that are required by the International Baccalaureate Organization.

Additional IB Diploma Requirements

IB EXTENDED ESSAY**373C00HH Unit: ½***Grade Level: 11th and 12th Prerequisite: Enrollment as an IB Diploma Graduate*

The Extended Essay requires that a student engage in independent research. Informal Assessment: Meeting the deadlines of Extended Essay and CAS is the high priority in this course. Scheduled meetings with EE/CAS Supervisors are required.

IB Creativity, Action, Service**373D00HH Unit: ½ or 1***Prerequisite: Any junior or senior can enroll in this course*

Creativity, Action, and Service: Requires that students actively learn from the experiences beyond the classroom. Activities should be selected as they relate to eight learner outcomes.

Fine Arts Courses

The Dorchester School District Two Fine Arts Mission Statement acknowledges that “The creative, visual, and performing arts are a part of the core academic curriculum in Dorchester School District Two. Our standards-based fine arts curriculum provides knowledge and skills essential to every student’s intellectual, social, emotional, physical, and cultural development.”

Our course offerings are planned to provide arts education to all students. Courses are available for the technical student, the college preparatory student, the professional career student, and the artistically talented. Students seeking a four-year degree will need one unit in the Fine or Performing Arts which includes appreciation of, history of, or performance in one of the fine arts. Honors 3 and Honors 4 are advanced upper-level courses.

ART APPRECIATION 1 CP

351100CW

Unit: 1

Grade: 11-12

This course is designed for the college bound student. It is a survey of art history with a basis on the role of visual art in world cultures. This course can be taken as preparation for college level humanities or as credit through Trident Technical College for three semester hours of credit.

AP ART HISTORY

357100AW

Unit: 1

Grades: 11-12

Prerequisites: Global Studies 1 or higher

This course prepares the student for the Advanced Placement Art History test that covers world visual art from prehistoric to contemporary times. Students taking this course will be required to do extensive reading and writing. Each student must take the Advanced Placement examination through the College Board for possible college credit.

AP ART STUDIO (DRAWING)

357200AW

Unit: 1

Grades 10-12

Prerequisites: Two years of visual art and/or portfolio review

AP Art Studio Drawing prepares the student to submit a drawing portfolio to be assessed by the College Board for possible college credit.

AP ART STUDIO 2D DESIGN

357400AW

Unit: 1

Grade 10-12

Prerequisites: Two years of visual art and/or portfolio review

Art Studio AP 2D Design prepares the student to submit a drawing, painting and design portfolio to be assessed by the College Board for possible college credit.

AP ART STUDIO 3D DESIGN

357500AW

Unit: 1

Grades: 10 -12

Prerequisites: Two years of visual art and/or portfolio review

Art Studio AP 3D Design prepares the student to submit a portfolio illustrating their work in the area of sculpture and/or ceramics to be assessed by the College Board for possible college credit.

ART 1 CP

350100CW

Unit: 1

Grades 9-12

The first semester of this course consists of the principles, elements, and media associated with drawing and painting. The second semester consists of studio work in the areas of drawing, painting and printmaking.

ART 2 CP

350200CW

Unit: 1

Grades 10-12

This course further explores the media associated with the techniques in 2D artwork.

ART 3 CP

350300CW

Unit: 1

Grades 11-12

In this course the student begins the process of developing personal style and technique involved in drawing, painting, and printmaking.

ART 4 CP

350400CW

Unit: 1

Grades: 9-12

Drawing techniques are used as a basis for the development of personal style in paintings of various media. Students will use their drawing and design skills to create multiple images through printmaking.

ART 3 HONORS Grades: 10-12 This course is the beginning of study for the student who is serious about high performance in drawing, painting and printmaking.	350300HW	Unit: 1
ART 4 HONORS Grade: 11-12 In this course the student participates primarily in independent studio projects along with research in the history and cultural aspects of 2D artwork.	350400HW	Unit: 1
ART 5 HONORS Grade: 12 Honors5 is for students who are interested in developing visual art skills beyond the high school level. Students in 2-D Art Honors 5 define their style and approach to drawing, painting and printmaking. Students will be expected to explore the history of art associated with 2D artwork.	359901HW	Unit: 1
ART 3-D DESIGN 1 Grades 9-12 The first semester of this course consists of principles, elements and media associated with sculpture and ceramics. The second semester consists of studio work in the areas of sculpture and ceramics.	350500CW	Unit: 1
ART 3-D DESIGN 2 Grades 10-12 This course further explores the media associated with the techniques in 3D artwork.	350600CW	Unit: 1
ART 3-D DESIGN 3 Grades 11-12 In this course the student begins the process of developing personal style and technique involved in sculpture and ceramics.	350700CW	Unit: 1
ART 3-D DESIGN 4 Grades: 12 Students are expected to demonstrate competency in a variety of hand building and glazing or finishing techniques. They should experience and develop skills involving throwing on the wheel. The student is expected to have competency in a variety of techniques and processes including additive, subtractive, casting, and kinetic. The students will explore these techniques through the use of different media including plaster, paper, and clay. Different cultures, styles, and time periods will be used to enhance and reinforce the students' skills and understanding of 3D art.	350800CW	Unit: 1
ART 3-D DESIGN HONORS 3 Grades: 11-12 This course is the beginning of study for the student who is serious about high performance in sculpture and ceramics.	350700HW	Unit: 1
ART 3-D DESIGN HONORS 4 Grade: 12 In this course the student participates primarily in independent studio projects along with research in the history and cultural aspects of 3D artwork.	350800HW	Unit: 1
ART 3-D DESIGN HONORS 5 Grade: 12 Honors5 is for students who are interested in developing visual art skills beyond the high school level. Students define their style and approach to sculpture and ceramics. Students will be expected to explore the history of art associated with 3D artwork.	459903HW	Unit: 1
MEDIA ART 1 CP Grades 9-12 The first semester of this course consists of the principles, elements and media associated with media art. The second semester consists of studio work in the areas of media art.	351500CW	Unit: 1
MEDIA ART 2 CP Grades: 10-12 Media Art 2 CP further explores the media associated with the techniques in 2D artwork.	351600CW	Unit: 1

MEDIA ART 3 CP**351700CW****Unit: 1***Grades: 11-12**Prerequisite: Media Art 2 CP*

In Media Art 3 CP the student begins the process of developing personal style and technique involved in media art.

MEDIA ART 4 CP**351800CW****Unit: 1***Grades: 12**Prerequisite: Media Art 3 CP*

The course will emphasize artistic thought and creative expression to achieve original solutions to design problems. Students will further develop their design skills with an emphasis on creating overall design images for organizations. Students will investigate the emotional responses to color, line, and shape. Cultural and historical aspects of design will be incorporated.

PHOTOGRAPHY 1 CP**456600CW****Unit: 1***Grade: 9-12*

This course begins with the elements and principles of design and their relationship to the photographic process utilizing the text, *Photographic Eye*. Students will study the history of photography and its development as an art form. The course covers **the basics of** camera operation and picture taking with digital equipment. **Students are required to have access to a digital camera with manual settings.**

PHOTOGRAPHY 2 CP**456700CW****Unit: 1***Grades: 10-12**Prerequisite: Photography 1*

This course covers advanced projects in black and white, color photography, and digital photography. Photography 2 will include the development of film in darkroom processes. The students will utilize the printing process as a tool for creativity. **Students are required to have a 35mm SLR manual camera, a digital camera with manual settings, and a supply of film.**

PHOTOGRAPHY HONORS 3**456800HW****Unit: 1***Grades: 11-12**Prerequisite: Photography 2*

This course is for the serious student of photography. Photographic assignments will involve various photographic equipment and dark room experiments. Students will develop a personal photographic portfolio. **A 35mm SLR manual camera and a digital camera are required.**

PHOTOGRAPHY HONORS 4**456900HW****Unit: 1***Grade: 12**Prerequisite: Photography 3 Honors*

Students will begin the process of a photographic specialization and the development of a personal style. A variety of photography career options and opportunities will be explored. Students will produce an artist's portfolio illustrating the breadth and depth of the photographic process. **A 35mm manual camera and a digital camera are required.**

Performing Arts Courses

Students enrolled in the Performing Arts will be expected to maintain a uniform and an instrument and attend scheduled rehearsals and performances beyond the school day.

MARCHING BAND

Membership in Summerville High Green Wave Marching Band, Fort Dorchester High Patriot Band, and Ashley Ridge High School Swamp Fox Marching Band is open to all instrumental music students. Marching band members must be enrolled in an instrumental class and are selected by audition. Students will also be eligible to participate in those activities within the band program that are considered co-curricular. Some activities will occur outside of the regular class period.

BAND/ COLORGUARD 1**459902CW****Unit: 1****459902CH****Unit: ½***Grades: 9-12*

This course will include instruction in basic dance and equipment performance techniques, and in the development of timing and coordination of equipment routines with music. **Students will also be eligible to participate in those activities within the band program that are considered co-curricular. Some activities will occur outside of the regular class period.**

BAND/ COLORGUARD 2**459903CW****Unit: 1****459903CH****Unit: ½***Grades: 10-12**Prerequisite: Band Flags/Color Guard 1*

This course furthers the performance techniques of Band Flags/Color Guard 1 with more advanced routines and additional equipment. **Students will also be eligible to participate in those activities within the band program that are considered co-curricular. Some activities will occur outside of the regular class period.**

BAND/ COLORGUARD 3**459904CW Unit: 1**
459904CH Unit: ½*Grades: 11-12 Prerequisite: Band Flags/Color Guard 2*

The focus of Color Guard 3 is on routines that are of competitive caliber. Students may participate in fall marching band and winter guard activities. ***Students will also be eligible to participate in those activities within the band program that are considered co-curricular. Some activities will occur outside of the regular class period.***

BAND/ COLORGUARD 4**459905CW Unit: 1**
459905CH Unit: ½*Grade: 12 Prerequisite: Band Flags/Color Guard 3*

Special emphasis is placed on a high level of performance with intricate ensemble work. Students participate in a number of competitive events. ***Students will also be eligible to participate in those activities within the band program that are considered co-curricular. Some activities will occur outside of the regular class period.***

BAND 1 CP**353100CW Unit: 1***Grades: 9-12 Prerequisite: Middle School Band*

Concert Band 1 is open to all students with middle school or previous playing experience. The course is designed for students to develop their skills in performance along with knowledge in the areas of music history, criticism, and band literature.

Students will also be eligible to participate in those activities within the band program that are considered co-curricular. Some activities will occur outside of the regular class period.

BAND 2 CP**353200CW Unit: 1***Grades: 10-12 Prerequisite: Band 1*

Concert Band 2 presents a balanced study of performance literature to prepare the student for life-long music making. Students will develop their knowledge of music theory, history and criticism. ***Students will also be eligible to participate in those activities within the band program that are considered co-curricular. Some activities will occur outside of the regular class period.***

BAND 3 CP**353300CW Unit: 1***Grades: 11-12 Prerequisite: Band 2*

Students will study and perform a variety of band literature of increasing difficulty. This course is designed to provide students with a well- rounded musical education. ***Students will also be eligible to participate in those activities within the band program that are considered co-curricular. Some activities will occur outside of the regular class period.***

BAND HONORS 3**353300HW Unit: 1***Grades: 10-12 Prerequisites: Two instrumental music credits and teacher recommendation*

This course develops independence in instrumental musicianship, performance techniques, and aesthetic awareness through the rehearsal and performance of varied instrumental literature. Music history is included of the student's major instrument.

Students will also be eligible to participate in those activities within the band program that are considered co-curricular. Some activities will occur outside of the regular class period.

BAND HONORS 4**353400HW Unit: 1***Grade: 11-12 Prerequisite: Band Honors 3*

Special Emphasis is placed on performance. The content includes, but is not limited to, independent interpretation of difficult instrumental music, development of independent musicianship, tone production and performance techniques. Students will also be eligible to participate in those activities within the band program that are considered co-curricular. Some activities will occur outside of the regular class period.

BAND HONORS 5**353500HW Unit: 1***Grade 12 Prerequisite: Band Honors 4*

Honors 5 emphasizes the analysis of form, style, and history included in the performance of varied instrumental literature, formulation of critical listening skills and aesthetic values. Students will also be eligible to participate in those activities within the band program that are considered co-curricular. Some activities will occur outside of the regular class period.

WOODWIND ENSEMBLE CP**454700CW Unit: 1***Grades: 9-12 Prerequisite: Teacher Recommendation*

Large and small wind ensemble groups will study and perform literature from a variety of periods and cultures. Emphasis will be on ensemble playing, style and interpretation. Students may be enrolled in another instrumental music class. Students enrolled in the Performing Arts will be expected to maintain a uniform and attend rehearsals and performances beyond the school day.

JAZZ BAND 1 CP	453100CW	Unit: 1
Grades: 9-12 Prerequisite: Teacher Recommendation		
Students will be taught to perform musical styles associated with jazz, rock, Latin, and fusion music. The course will include historical components of each style. <i>Students will also be eligible to participate in those activities within the band program that are considered co-curricular. Some activities will occur outside of the regular class period.</i>		
JAZZ BAND 2 CP	453200CW	Unit 1
Grades: 10-12 Prerequisite: Jazz Band 1		
Music of greater variety and difficulty will continue the learning of Jazz Band 1. Improvisation will be an integral part of the course. <i>Students will also be eligible to participate in those activities within the band program that are considered co-curricular. Some activities will occur outside of the regular class period.</i>		
JAZZ BAND 3 CP	453300CW	Unit 1
Grades: 11-12 Prerequisite: Jazz Band 2		
The development of a personal style and solo performance will enhance the student's ability as a jazz musician. Emphasis will be placed on advanced improvisation with a solo instrument. <i>Students will also be eligible to participate in those activities within the band program that are considered co-curricular. Some activities will occur outside of the regular class period.</i>		
JAZZ BAND 4 CP	453400CW	Unit 1
Grades: 12 Prerequisite: Jazz Band 3		
Personal style and musicianship along with ensemble playing is stressed in Jazz Band 4. Students will also be expected to compose original works. <i>Students will also be eligible to participate in those activities within the band program that are considered co-curricular. Some activities will occur outside of the regular class period.</i>		
MUSIC APPRECIATION CP	356100CW	Unit: 1
Grades: 11-12		
This course is designed for the college bound student as a survey of music history with emphasis on the role of music in world cultures. This course can be taken as preparation for college level humanities or as credit through Trident Technical College.		
MUSIC THEORY AP	357600AW	Unit: 1
Grades: 11-12 Prerequisite: Open to all students who are willing to accept the rigor of the prescribed curriculum		
This is an advanced course for the serious musician in music theory and composition. Students will be required to do independent research and to work with computer technology.		
PERCUSSION ENSEMBLE 4 CP	459912CW	Unit: 1
Grade: 12 Prerequisite: Band 3CP		
This is an advanced level course for the serious percussion player to perform solo and in groups. Students will study a variety of percussion literature and compose original works.		
PIANO 1 CP	454100CW	Unit: 1
Grades: 9-12		
This course focuses on piano technique and literature taught in a class setting while emphasizing individual development.		
PIANO 2 CP	454200CW	Unit: 1
Grades: 10-12 Prerequisite: Piano 1		
This course is a continuation of piano technique and literature with an added emphasis on music theory.		
PIANO 3 CP	54300CW	Unit: 1
Grades: 11-12 Prerequisite: Piano 2		
The student will develop a personal piano repertoire with frequent performance experiences. Additional attention will be placed on the research of composers and stylistic characteristics.		
PIANO 4 CP	454400CW	Unit: 1
Grade: 12 Prerequisite: Piano 3		
This course is for the advanced piano student. The student will have extensive recital and performance experiences. In addition to solo performance, students will perform ensemble works written for four and eight hands.		

PIANO HONORS 3	4543004HW	Unit: 1
<i>Grades 10-12 Prerequisite: Piano 2</i>		
This course develops independence in musicianship, performance techniques, and aesthetic awareness through the rehearsal and performance of varied piano literature. The history of piano music is included.		
PIANO HONORS 4	454400HW	Unit: 1
<i>Grades 11-12 Prerequisite: Piano Honors 3</i>		
Special emphasis is placed on performance. The content includes, but is not limited to, independent interpretation of difficult piano music, development of independent musicianship, sound production and performance techniques.		
PIANO HONORS 5	953200HW	Unit: 1
<i>Grade 12 Prerequisite: Piano Honors 4</i>		
Honors 5 emphasizes the analysis of form, style, and history included in the performance of varied piano literature, formulation of critical listening skills and aesthetic values.		
STEEL DRUMS 1 CP	454800CW	Unit: 1
<i>Grades: 9-12</i>		
This introductory course provides students with the opportunity to study and perform on a variety of percussion instruments non-Western music of Africa, Asia, South America, and the Caribbean.		
STEEL DRUMS 2 CP	459921CW	Unit: 1
<i>Grades: 10-12 Prerequisite: Steel Drums 1</i>		
With the knowledge and skill learned in introductory World Percussion 1, emphasis is placed on further development of the steel band music of Trinidad, Taiko drumming of Japan, Djembe drumming of West Africa, and the samba drumming of Brazil.		
STEEL DRUMS 3 CP	459967CW	Unit: 1
<i>Grades: 11-12 Prerequisite: Steel Drums 2</i>		
This course is based on developing performance skills with increasingly more difficult music. Students will participate in small and large ensemble groups as well as solo performances.		
STEEL DRUMS 4 CP	459927CW	Unit: 1
<i>Grades: 12 Prerequisite: Steel Drums 3</i>		
World Percussion 4 is for the serious student who wishes to develop world music knowledge and skills at a high level. In addition to high expectations for performance, the students will research world music origins and cultural attributes.		
STEEL DRUMS 5 CP	459928CW	Unit: 1
<i>Grades: 12 Prerequisite: Steel Drums 4</i>		
World Percussion 4 is for the serious student who wishes to develop world music knowledge and skills at a high level. In addition to high expectations for performance, the students will research world music origins and cultural attributes.		
ORCHESTRA STRINGS 1 CP	355100CW	Unit: 1
<i>Grades: 9-12 Prerequisite: Previous string experience or Middle School Band</i>		
This course emphasizes basic musicianship and performance techniques. Students will participate in small and large ensembles in which quality traditional and contemporary literature will be performed.		
ORCHESTRA STRINGS 2 CP	355200CW	Unit: 1
<i>Grades: 10-12 Prerequisite: Orchestra Strings 1</i>		
This course is a continuation of String Orchestra 1. Students will increase both their technical and musical development. Small ensemble participation is emphasized and students will expand their understanding of orchestral literature.		
ORCHESTRA STRINGS 3 CP	3553002CW	Unit: 1
<i>Grades: 11-12 Prerequisite: Orchestra Strings 2</i>		
This course is a continuation of String Orchestra 2. Students may assume additional leadership responsibilities as section leaders and as soloists.		
ORCHESTRA STRINGS4 CP	355400CW	Unit: 1
<i>Grades: 11-12 Prerequisite: Orchestra Strings 3</i>		
String Orchestra 4 is for the serious student who wishes to develop their musical skills and performance to a high level. The course will focus on the history and performance of the classical repertoire.		

ORCHESTRA STRINGS HONORS 3**355300HW****Unit: 1***Grades: 10-12**Prerequisite: Orchestra Strings 2 and teacher recommendation*

This course develops independence in musicianship, performance techniques, and aesthetic awareness through the rehearsal and performance of varied string literature. The history of string music is included.

ORCHESTRA STRINGS HONORS 4**355400HW****Unit: 1***Grade: 11- 12**Prerequisite: Orchestra Strings Honors 3*

Special emphasis is placed on performance. The content includes, but is not limited to, independent interpretation of difficult string music, development of independent musicianship, sound production and performance techniques.

ORCHESTRA STRINGS HONORS 5**958000HW****Unit: 1**

The honors courses develop independence in instrumental musicianship, performance techniques, and aesthetic awareness through rehearsal and performance of varied instrumental literature.

CHORUS 1 CP**354100CW****Unit: 1***Grades: 9-12*

This is an introductory course in the basic elements of choral music history, criticism, performance, and the role of music in society. Performance elements of study will include pitch, duration, dynamics, and part singing.

CHORUS 2 CP**354200CW****Unit: 1***Grades: 10-12**Prerequisite: Chorus 1*

This course is further development of the singer's art. The student will continue to study music history, criticism, theory and the principles of group performance. Instruction is based on the four components of the South Carolina Standards for the Arts.

CHORUS 3 CP**354300CW****Unit: 1***Grades: 11-12**Prerequisite: Chorus 2*

This course provides an in-depth study in choral music history, criticism, literature, and performance. Students will perform choral works representing a wide variety of periods and cultures.

CHORUS 4 CP**354400CW****Unit: 1***Grades: 12**Prerequisite: Chorus 3*

This is an advanced course for the serious music student who has knowledge in choral music history, criticism, literature and performance. Students enrolled in this course will provide the nucleus for Concert Choir. Emphasis in Concert Choir is on sight-singing and the ability to sing in various styles and genre.

CHORUS HONORS 3**354300HW****Unit: 1***Grades: 10-12**Prerequisites: Chorus 2 and teacher recommendation*

This course develops independence in vocal musicianship, performance techniques, and aesthetic awareness through the rehearsal and performance of varied choral literature.

CHORUS HONORS 4**354400HW****Unit: 1***Grade: 11-12**Prerequisite: Chorus Honors 3*

Special emphasis is placed on performance. The content included, but is not limited to, independent interpretation of difficult choral music, development of independent musicianship, tone production and performance techniques.

CHORUS HONORS 5**354500HW****Unit: 1***Grade: 12**Prerequisite: Chorus Honors 4*

This course is the analysis of form, style, and history included in the performance of voiced choral literature, formulation of critical listening skills and aesthetic values necessary for the semi-professional singer.

DANCE 1 CP**450101CW****Unit: 1***Grades: 9-12*

This course provides an introduction to basic ballet, modern, and jazz techniques. Students will explore physical aspects of technique, composition concepts, dance criticism and performance. Previous dance experience is not required.

DANCE 2 CP	450202CW	Unit: 1
Grades: 10-12 Prerequisite: Dance 1		
This course is a continuation of dance education beyond the beginning level. Students will continue training in the techniques of ballet, modern, and jazz with the addition of dance theatre styles. Composition, improvisation, dance history, dance criticism, and performance are strong parts of the curriculum.		
DANCE 3 CP	450300CW	Unit: 1
Grades: 11-12 Prerequisite: Dance 2		
This course provides an in-depth study of ballet, modern, and jazz techniques for the serious dance student. Students will continue working in the areas of composition, dance history, criticism, and performance at a more intense pace.		
DANCE 4 CP	450400CW	Unit: 1
Grades: 12 Prerequisite: Dance 3		
This is a course designed for advanced students to develop personal styles and interests. Along with continued technical mastery, students will focus on composition in various genre. Students will utilize past course work to synthesize their abilities in a pre-professional manner.		
DANCE HONORS 3	450300HW	Unit: 1
Grades: 10-12 Prerequisites: Dance 2 and teacher recommendation		
The Dance Honors program is for serious students at an advanced pre-professional level. The students will explore the areas of ballet, interpretive dance, and choreography.		
DANCE HONORS 4	450401HW	Unit: 1
Grade: 11-12 Prerequisite: Dance Honors 3		
In addition to the continuation of technical and composite work in the classroom, the student will develop leadership skills associated with producing a group performance.		
DANCE HONORS 5	958500HW	Unit: 1
Grade: 12 Prerequisite: Dance Honors 4		
The Honors 5 program is designed so that students work independently and with instructor guidance to focus on choreography and or performance in order to prepare for future work in dance.		
MUSICAL THEATRE 1 CP	459941CW	Unit: 1
MUSICAL THEATRE 2 CP	459942CW	
MUSICAL THEATRE 3 CP	459943CW	
MUSICAL THEATRE 4 CP	459944CW	
Grades: 10-12 Prerequisite: Theatre Arts 1, Chorus 1		
This course continues the skills and knowledge developed in previous courses. Emphasis will be placed on musical theatre history, literature and methods of performance. Students will have the opportunity to perform for live audiences and scenes for competitions.		
THEATRE 1 CP	452100CW	Unit: 1
Grades: 9-12		
This course will focus on theatre conventions and history, dramatic literature, pantomime, voice and diction, improvisation, fundamentals of acting and introduction to theatre design. Students will frequently perform in front of peers.		
THEATRE 2 CP	452200CW	Unit: 1
Grades: 10-12 Prerequisite: Theatre 1		
This course continues the skills and knowledge developed in previous courses. Emphasis will be placed on methods of acting, styles of theatre, and script writing. Students will have the opportunity to perform for live audiences and competitions.		
THEATRE 3 CP	452300CW	Unit: 1
Grades: 11-12 Prerequisite: Theatre 2		
This course continues the skills and knowledge developed in previous courses. Emphasis will be placed on students' personal acting style, range of characterizations, script analysis, producing and directing. Students will perform for live audiences and competitions.		
THEATRE 4 CP	452400CW	Unit: 1
Grade: 12 Prerequisite: Theatre 3		
This course continues the skills and knowledge developed in previous courses. Emphasis will be placed on independent study based on students' personal goals for theatre beyond high school. Students will have the opportunity to write, direct and perform for live audiences and competitions.		

THEATRE 3 HONORS**452300HW****Unit: 1***Grades: 10-12**Prerequisites: Theatre 2 and teacher recommendation*

The Arts Honors 3 is the beginning of study for the student who is serious about high performance in theatre arts. The areas of study will include acting, producing, directing, and technical theatre.

THEATRE 4 HONORS**452400HW****Unit: 1***Grade: 11- 12**Prerequisite: Theatre 3 Honors*

In Honors 4 Theatre Arts the student participates primarily in independent study projects along with research in the history and cultural aspects of theatre and theatre design.

THEATRE 5 HONORS**959000HW****Unit: 1***Grade: 12**Prerequisite: Theatre 4 Honors*

These courses continue the skills and knowledge developed in previous courses. Emphasis will be placed on independent study at a semi-professional level based on student's personal goals for theatre beyond high school. Students are expected to write, direct and perform for live audiences and competitions.

THEATRE DESIGN 1 CP**459916CW****Unit: 1***Grades: 10-12**Prerequisites: Theatre Arts 1 CP, Media Art CP*

Students will learn basic aspects of technical theatre. The course will cover the areas of theatre lighting, scene design, costuming, and sound engineering.

THEATRE DESIGN 2 CP**459917CW****Unit: 1***Grades: 11-12**Prerequisite: Theatre Design 1 CP*

Theatre Design 2 is a course in practical application of the areas associated with technical theatre.

THEATRE DESIGN 3 CP**459918CW****Unit: 1***Grade: 12**Prerequisite: Theatre Design 2 CP*

This course continues the skills and knowledge developed in previous courses. Emphasis will be placed on non-performance areas of script analysis and production of set, costumes, props, lighting, sound, hair and make-up. Students are expected to run crew for live audiences and competitions.

World Languages

World language courses are designed to develop skills in the interpretive, interpersonal and presentational modes of communication and to foster an appreciation and understanding of world cultures. The foreign language enrollment policy allows every student the opportunity to study at least one modern or classical language. Minimal success in one level of foreign language does not guarantee success in the next level. It is recommended that students have a final average of a "77" or better to progress to the next level. Students attending a four year college are encouraged to have at least two years of the same foreign language.

FRENCH 1 CP

361100CW

Unit: 1

Grades: 8-12

Prerequisite: None; English 1 is highly recommended

This course is an introduction to the French language and culture. It is designed to enable students to meet requirements for proficiency in reading, writing, listening and speaking. The ability to process new information, to be flexible in new situations, to solve real world tasks, and to develop self-efficacy will be developed through a variety of classroom activities. These activities will emphasize the products, practices and perspectives of the target culture. Oral and written communication in this class is essential and students will be evaluated through the integration of interpretive, interpersonal and presentational modes of communication.

FRENCH 2 CP

361200CW

Unit: 1

Grades: 9-12

Prerequisite: French 1

This course expands the foundation of French 1, exposing students to more cultural situations and advanced interpretive, interpersonal and presentational tasks. The French countries and customs will continue to be explored. The ability to process new information, to be flexible in new situations, to solve real world tasks, and to develop self-efficacy will be developed through a variety of classroom activities. Oral and written communication in this class is essential and students will be evaluated through the integration of interpretive, interpersonal and presentational modes of communication. This class will be increasingly conducted in French.

FRENCH 3 HONORS

361301HW

Unit: 1

Grades: 10-12

Prerequisite: French 2

This course is designed for advanced students who have excelled in French. It gives students the opportunity to reach a high level of competency in a second language through the study of a number of prescribed texts and at the same time appreciate the range of issues generated by the study of a language and its culture. Students perform oral and written assessments to demonstrate their understanding of French. Daily oral communication is an essential part of the course. Topics for communication, comprehension and composition include social and cultural themes.

FRENCH 4 HONORS

361400HW

Unit: 1

Grades: 11-12

Prerequisite: French 3

Sites: ARHS, SHS

This course is designed to provide advanced students with authentic language experiences as they use French to explore a variety of cultural topics and contemporary issues. The study of grammar and literary selections will be included as vehicles for improving communicative competency. Many facets of life in French countries are discussed, comparing present day life and that of the recent past. Movies, novels and the internet are used as springboards for discussions. Daily oral communication is an essential part of this class. Topics for communication, comprehension and composition include social and cultural themes.

FRENCH 5 HONORS

361500HW

Unit: 1

Grade: 12

Prerequisite: French 4 Honors

This is an advanced course in which all grammar elements will be reviewed and students' proficiency will be expanded through a variety of written and oral activities. Students will study selected literary works and be able to discuss them in terms of style, theme, and content.

GERMAN 1 CP

362100CW

Unit: 1

Grades: 9-12

Prerequisite: None; English 1 is highly recommended

This course is an introduction to the German language and culture. It is designed to enable students to meet requirements for proficiency in reading, writing, listening and speaking. The ability to process new information, to be flexible in new situations, to solve real world tasks, and to develop self-efficacy will be developed through a variety of classroom activities. These activities will emphasize the products, practices and perspectives of the target culture. Oral and written communication in this class is essential and students will be evaluated through the integration of interpretive, interpersonal and presentational modes of communication.

GERMAN 2 CP**362200CW****Unit: 1***Grades: 10-12**Prerequisite: German 1*

This course expands the foundation of German 1, exposing students to more cultural situations and advanced interpretive, interpersonal and presentational tasks. The German countries and customs will continue to be explored. The ability to process new information, to be flexible in new situations, to solve real world tasks, and to develop self-efficacy will be developed through a variety of classroom activities. Oral and written communication in this class is essential and students will be evaluated through the integration of interpretive, interpersonal and presentational modes of communication. This class will be increasingly conducted in German.

GERMAN 3 HONORS**362301HW****Unit: 1***Grades: 10-12**Prerequisite: German 2*

This course is designed for advanced students who have excelled in German. It gives students the opportunity to reach a high level of competency in a second language through the study of a number of prescribed texts and at the same time appreciate the range of issues generated by the study of a language and its culture. Students perform oral and written assessments to demonstrate their understanding of German. Daily oral communication is an essential part of the course. Topics for communication, comprehension and composition include social and cultural themes.

GERMAN 4 HONORS**362400HW****Unit: 1***Grades: 11-12**Prerequisite: German 3***Sites: ARHS, SHS**

This course is designed to provide advanced students with authentic language experiences as they use German to explore a variety of cultural topics and contemporary issues. The study of grammar and literary selections will be included as vehicles for improving communicative competency. Many facets of life in German countries are discussed, comparing present day life and that of the recent past. Movies, novels and the internet are used as springboards for discussions. Daily oral communication is an essential part of this class. Topics for communication, comprehension and composition include social and cultural themes.

LATIN 1 CP**363100CW****Unit: 1***Grades: 9-12***Sites: FDHS, SHS**

This course is an introduction to the Latin language. Provisions will be made for learning the syntax and structure of a language that is the base of modern French, Spanish, and Italian. Students will integrate Latin vocabulary with English derivatives to increase word power. Learning elements of Roman culture will develop an awareness of its effect on western civilization.

LATIN 2 CP**363200CW****Unit: 1***Grades: 10-12**Prerequisite: Latin 1***Sites: FDHS, SHS**

This course continues to build and expand on the foundation of vocabulary and language skills developed in Latin 1. Students will be able to use tools acquired in Latin 1 to comprehend the meaning of passages adapted from Latin literature.

LATIN 3 HONORS**363301HW****Unit: 1***Grades: 10-12**Prerequisite: Latin 2*

This course is designed for advanced students who have excelled in Latin. It gives students the opportunity to reach a high level of competency in a second language through the study of a number of prescribed texts and at the same time appreciate the range of issues generated by the study of a language and its culture. Students perform oral and written assessments to demonstrate their understanding of Latin. Daily oral communication is an essential part of the course. Topics for communication, comprehension and composition include social and cultural themes.

LATIN 4 HONORS**363400HW****Unit: 1***Grades: 11-12**Prerequisites: Latin 3***Site: SHS**

Latin 4 Honors is an intensive grammar review designed to assist students to prepare for college placement exams. Written tests will focus on the correct use of grammar and structure using the content of translations. Emphasis will be given to literary devices used in Latin poetry and prose.

SPANISH 1 CP**365100CW****Unit: 1***Grades: 8-12**Prerequisite: None; English 1 is highly recommended*

This course is an introduction to the Spanish language and culture. It is designed to enable students to meet the requirements for proficiency in reading, writing, listening and speaking. The ability to process new information, to be flexible in new situations, to solve real world tasks, and to develop self-efficacy will be developed through a variety of classroom activities. These activities will emphasize the products, practices and perspectives of the target culture. Oral and written communication in this class is essential and students will be evaluated through the integration of interpretive, interpersonal and presentational modes of communication.

SPANISH 2 CP**365200CW****Unit: 1***Grades: 9-12**Prerequisite: Spanish 1*

This course expands the foundation of Spanish 1, exposing students to more cultural situations and advanced interpretive, interpersonal and presentational tasks. The Spanish countries and customs will continue to be explored. The ability to process new information, to be flexible in new situations, to solve real world tasks, and to develop self-efficacy will be developed through a variety of classroom activities. Oral and written communication in this class is essential and students will be evaluated through the integration of interpretive, interpersonal and presentational modes of communication. This class will be increasingly conducted in Spanish.

SPANISH 3 HONORS*Grades: 10-12**Prerequisite: Spanish 2***365301HW****Unit: 1**

This course is designed for advanced students who have excelled in Spanish. It gives students the opportunity to reach a high level of competency in a second language through the study of a number of prescribed texts and at the same time appreciate the range of issues generated by the study of a language and its culture. Students perform oral and written assessments to demonstrate their understanding of Spanish. Daily oral communication is an essential part of the course. Topics for communication, comprehension and composition include social and cultural themes.

SPANISH 4 HONORS**365400HW****Unit: 1***Grades: 11-12**Prerequisites: Spanish 3*

Spanish 4 Honors is designed to provide advanced students with authentic language experiences as they use Spanish to explore a variety of cultural topics and contemporary social issues. The study of grammar and literary selections will be included as vehicles for improving communicative competency. Many facets of life in Hispanic countries are discussed, comparing present day life and that of the recent past. Movies, novels and the internet are used as springboards for discussions. Daily oral communication is an essential part of the class. Topics for communication, comprehension and composition include social and cultural themes.

SPANISH 5 HONORS**365500HW****Unit: 1***Grade: 12**Prerequisites: Spanish 4 Honors***Sites: ARHS, SHS**

This course expands students' proficiency in Spanish as they use the language to further their knowledge of other cultures and other disciplines. Supplementary materials will include pertinent selections from the Internet and literary collections. Comprehension and composition include social and cultural themes.

SPANISH LANGUAGE AP**3675000AW****Unit: 1***Grades: 11 -12**Prerequisites: Open to all students willing to attempt the rigors of the prescribed curriculum*

The course is intended to develop proficiency in the five goal areas outlined in the standards for Foreign Language Learning in the 21st century. It is designed for students who wish to attain proficiency across the communicative modes: Interpersonal (interactive communication), Interpretive (receptive communication), and Presentational (productive communication). The course is meant to be comparable to fifth and sixth semester college and university courses that focus on speaking and writing in the target language at an advanced level. Students who enroll should already have a basic knowledge of the language and cultures of Spanish speaking people and should have attained a reasonable proficiency in using the language.

Journalism & Mass Communication Courses and Teacher Training

CREATIVE WRITING 1 CP

303200CH

Unit: ½

Grades: 10-12

Prerequisite: English 1

This course is designed for students who have an interest in writing poetry, short fiction, creative nonfiction and writing for stage and screen. Each of the four units will last approximately one quarter and will conclude with a major project. Students will produce original written pieces on a weekly basis and will collaborate with the teacher and with each other during the revising and editing process. Students are also encouraged to submit their work for publication.

CREATIVE WRITING 2 CP

303201CH

Unit: ½

Grades: 10-12

Prerequisite: Creative Writing 1

Students will learn to analyze, apply and synthesize various techniques, styles and forms through diverse genres. Students will master elements of short fiction, poetry, drama and personal non-fiction through extensive writing and reading assignments.

JOURNALISM 1 CP

305000CW

Unit: 1

Grades: 9-12

This is the first course for students who are going into either journalism or newspaper courses in the future.

This course is designed to prepare students to enter a chosen journalism program—broadcast, newspaper, or yearbook. All students will learn journalism skills such as writing editorials, news and feature stories, interviewing, and more. Also, all students will learn technical skills such as working with software programs for photography, page layout, and video editing as well as learning photography/videography basics. In addition, each student will select an area of concentration so that he can fine-tune his skills for a given journalism course. For example, a student might choose a program of study that concentrates on broadcasting, learning all other areas, but emphasizing broadcasting. At the end of the course, each student will be required to complete a major project in his area of concentration. This course is designed to be a feeder course for the main journalism programs, providing them with skilled staff members and enabling these staffs to expand beyond their current level of production.

JOURNALISM/ANNUAL 2 CP

305100CW

Unit: 1

This is the second course for students who are in journalism or newspaper courses. During year 3 these students should decide if their third year course will be a focus in Newspaper Production or Yearbook Production. During year 4 these students should take Newspaper Production 2 or Yearbook Production 2.

NEWSPAPER PRODUCTION

305300CW

Unit: 1

YEARBOOK PRODUCTION

305400CW

Unit: 1

NEWSPAPER PRODUCTION 2

305500CW

Unit: 1

YEARBOOK PRODUCTION 2

305600CW

Unit: 1

SPEECH CP

304002CW

Unit: 1

Grades: 9-12

This course is designed to help students think and speak coherently, confidence in front of other people, and to develop speaking and listening abilities. Other topics covered include speech composition, delivery, research techniques, oral interpretation, and special forms of speaking.

TEACHER CADED PROGRAM (AP Credit)

373500EW

Unit: 1

Grades: 11-12

Prerequisites: At least 3.0 GPR; Teacher recommendations; Interview; Selection Process

This is an orientation to the teaching profession. The course is designed to expose students of high level academic achievement to the many facets of education through class discussions, observations, and interactions with teachers and students at all levels: pre-school through grade 12. The student receives three hours of college credit and one unit of high school credit. **STUDENTS MAY NOT SIGN THEMSELVES UP FOR THIS COURSE.** Please see your school counselor for an application packet.

Physical Education Courses

All students are required to successfully complete one (1) unit of physical education to meet South Carolina graduation requirements. Exemption from this requirement will be granted to a student only when a medical doctor states in writing that participation is not possible because of physical disability or for other valid medical reasons. One unit of JROTC may be substituted for the physical education requirement. All band students are required to take Physical Education.

PE 1	344100CH	Unit: ½
Grades: 9-12	344100CW	Unit: 1

This course is required for graduation and can be taken at any grade level during high school. The intent of this course is to encompass a personal fitness and wellness component as outlined by the state physical education curriculum.

PHYSICAL EDUCATION ELECTIVES

PE 2	344200CH	Unit: ½
Grades: 9-12	344200CW	Unit: 1

PE 3	344300CH	Unit: ½
	344300CW	Unit: 1

PE 4	344400CH	Unit: ½
	344400CW	Unit: 1

PE 5	349906CH	Unit: ½
	349906CW	Unit: 1

These PE courses are electives, which will focus on a variety of individual and team activities. These courses do not satisfy the basic physical education requirement for graduation.

WEIGHT TRAINING 1 CP	349930CH	Unit: ½
Grade: 9-12	349930CW	Unit: 1

This is an elective course for students with an interest in intensive physical training with the intent of maintaining strength and endurance through a physical workout regimen.

WEIGHT TRAINING 2 CP	344201CH	Unit: ½
Grade: 10-12 Prerequisite: Weight Training 1	344202CH	Unit: ½

This course is a continuation of Weight Training 1 for students wishing to continue strength and conditioning training.

WEIGHT TRAINING 3 CP	344301CH	Unit: ½
Grade: 11-12 Prerequisite: Weight Training 2	344302CH	Unit: ½

This course is a continuation of Weight Training 2 for students wishing to continue strength and conditioning training.

WEIGHT TRAINING 4 CP	344401CH	Unit: ½
Grade: 12 Prerequisite: Weight Training 3	344402CH	Unit: ½

This course is a continuation of Weight Training 3 for students wishing to continue strength and conditioning training.

EFFECTIVE LEADERSHIP 1 CP**339904CW****Unit: 1***Grades: 10-12**Prerequisite: Hold a leadership position in the school or community*

A major goal of our education system should be to promote good citizenship and develop leadership skills among students who demonstrate an affinity for this field. This course will instruct the student on what it means to be an effective leader and the characteristics that go hand in hand with this field. Instruction will focus on teaching leadership skills and offering students realistic opportunities in which they can put these skills to work. Students will have the opportunity to meet with leaders in the school and community and be involved in the decision-making process. The class is designed and recommended for class officers, student body officers, student government members, club officers and other students interested in becoming leaders.

EFFECTIVE LEADERSHIP 2 CP**339905CW****Unit: 1***Grades: 10-12**Prerequisite: Effective Leadership 1*

Leadership development is a responsibility of our schools. Students need to be involved in the school and community and hold positions of leadership. Many colleges and universities are looking for candidates who possess extensive leadership experiences in high school and/or the community. This course will be a continuation of Effective Leadership 1, where students will have the opportunity to apply skills learned in Effective Leadership 1 by meeting with leaders in the school and community and becoming more involved in the decision-making process. Instruction will focus on real-world applications of leadership skills, offering students realistic opportunities in which they can put these skills to work. Students will also develop leadership skills by addressing community needs through volunteer service. The class is designed and recommended for class officers, student body officers, student government members, link crew leaders, NHS members, club officers and other student's interested in becoming leaders.

NAVY JROTC Summerville High School

NAVY JUNIOR ROTC 1 CP

375101CW Unit: 1

Grades: 9-12

This is an elective course for students with an interest in naval and military subjects. Classroom instruction includes maritime geography, government, naval history, oceanography, and navigation. Additional training in military drill stresses self-discipline, respect for authority, and personal appearance. All uniforms, books, and training materials are provided free by the Navy. Participation in NJROTC requires compliance with Navy standards of grooming, to include regulation haircuts, being clean shaven and no earrings for males, wearing the uniform weekly, and acceptance of stringent standards of discipline.

NAVY JUNIOR ROTC 2 CP

375201CW Unit: 1

Grades: 11-12

Prerequisites: Completion of NJROTC 1

This is an elective course for students who have satisfactorily completed NJROTC 1. Classroom instruction includes naval history, meteorology, navigation, naval operations, and first aid. Additional training in military drill stresses leadership, self-confidence, and personal appearance.

NAVY JUNIOR ROTC 3 CP

375301CW Unit: 1

Grades: 11-12

Prerequisites: Completion of NJROTC 2

This is an elective course for students who have satisfactorily completed NJROTC 2. Classroom instruction includes naval history, astronomy, government, and sea power. Additional training in military drill stresses leadership, self-confidence, and personal appearance.

NAVY JUNIOR ROTC 4 CP

375401CW Unit: 1

Grade: 12

Prerequisites: Completion of NJROTC 3

This is an elective course in practical leadership for selected seniors who have satisfactorily completed NJROTC 3. Classroom experience involves the management of the NJROTC unit in its leadership positions and the training of cadets under the supervision of instructors. Emphasis is on the development of leadership, management ability, and self-confidence.

AIR FORCE JROTC Fort Dorchester High School & Ashley Ridge High School

Air Force Junior Reserve Officer Training Corps (AFJROTC) is a citizenship program for high school students in the ninth through twelfth grades. The elective program has been awarded continuing accreditation with the Southern Association of Colleges and Schools Council on Accreditation and School Improvement (SACS CASI) by the **AdvancED** Accreditation Commission. AdvancED is the parent organization of SACS CASI.

The “**mission**” of the AFJROTC program is to “*Develop citizens of character dedicated to serving their nation and community.*” The “**goals**” of the AFJROTC program are to instill: *The values of citizenship, Service to the United States, Personal responsibility, and A sense of accomplishment.* The “**objectives**” of AFJROTC are to educate and train students in citizenship and life skills; promote community service; instill a sense of responsibility; and develop character and self-discipline through education and instruction in air and space fundamentals and the Air Force's core values: ***Integrity First, Service Before Self, Excellence In All We Do***

AFJROTC will enable the students to: Develop a high degree of strong morals, self-esteem, self-reliance, personal appearance, and leadership. Adhere to the values of integrity, service, and excellence. Increase their understanding of patriotism and responsibilities as US citizens. Participate in community service activities. Expand their skills of critical thinking and problem solving, communication and collaboration, and creativity and innovation. Demonstrate military customs, courtesies, and traditions and develop habits of order, discipline, and social skills. Acquire a broad-based knowledge of aerospace studies and leadership education. Strive to graduate from high school and prepare for college and careers in the 21st century. Cultivate a commitment to physical fitness and a healthy lifestyle.

AFJROTC has a dynamic curriculum that includes Aerospace Science (AS), Leadership Education (LE) and Wellness. **AS Courses** present the menu of courses in the aerospace science series to include A Journey Into Aviation History, The Science of Flight: A Gateway to New Horizons, Cultural Studies: An Introduction to Global Awareness, Exploring Space: The High Frontier, Management of the Cadet Corps, Survival, Aviation Honors Ground School, AFJROTC Honors Senior Project and Science, Technology, Engineering, & Math (STEM) opportunities. These hands-on, mind-on activities help cadets understand how STEM is useful in their world and make connections to careers they may not have considered. **LE Courses** cover the leadership education series of courses to include Traditions, Wellness, and Foundations of Citizenship; Communication, Awareness, and Leadership; Life Skills and Career Opportunities; Principles of Management; Drill and Ceremonies; and the wellness program. The objective of the Wellness/PT Program is to motivate cadets to lead healthy, active lifestyles beyond program requirements and into their adult lives.

AFJROTC provides extracurricular and social activities such as field trips, drill and ceremonies team, Kitty Hawk honor society, orienteering, model rocketry, air rifle, drone, cyber, formal social events, volunteering to help the local community, and attending Cadet Leadership Course.

AFJROTC provides STEM opportunities through the unit Flight Academy, Drone Academy, or Cyber Academies.

All uniforms, books, and training materials are provided free by the Air Force. All AFJROTC cadets will comply with Air Force standards of grooming, wearing the uniform weekly, and acceptance of strict standards of discipline. AFJROTC does not require cadets to enter the military but it does provide the avenue of entering the military with advanced rank or competing for Air Force Scholarships.

AFJROTC Courses:

AIR FORCE JUNIOR ROTC 1

375100CW Unit: 1

Grades: 9-12

Prerequisites: None

AFJROTC 1 is an elective for students with an interest in aviation and/or learning about the use of air power throughout history. The Leadership Education portion introduces cadets to the Air Force Junior Reserve Officer Training Corps (AFJROTC) program providing a basis for progression through the rest of the AFJROTC program while instilling elements of good citizenship. It contains sections on cadet and Air Force organizational structure; uniform wear; customs, courtesies, and other military traditions; health and wellness; fitness; individual self-control; military drill, respect for authority, leadership and citizenship. AS/LE1 meets the requirements for the PE requirement for a SC diploma, or as an elective credit.

AIR FORCE JUNIOR ROTC 2

375200CW Unit: 1

Grades: 10-12

Prerequisites: Completion Aerospace Science/Leadership Education 1 CP or 1 year of another service JROTC completion

This is an elective course in the Aerospace Science 2 portion of the course, students will learn about the aerospace environment, principles of aircraft flight and navigation. Leadership Education 2 stresses communication skills and cadet corps activities. Cadets are heavily involved in learning how to communicate effectively, understand groups and teams, prepare for leadership, solve conflicts and problems, and personal development. Written reports and speeches compliment the academic materials. Cadet corps activities include holding positions of greater responsibility in the planning and execution of corps projects. AS/LE 2 cadets will help lead cadet activities and set the example for AS/LE 1 students, especially in the areas of self-discipline and personal appearance, if selected for a flight crew position.

AIR FORCE JUNIOR ROTC 3

375300CW Unit: 1

Grades: 11-12

Prerequisites: Completion Aerospace Science/Leadership Education 2 CP or 2 year of another service JROTC completion

This is an elective course in the Aerospace Science portion that The Exploration of Space examines our Earth, the Moon and the planets, the latest advances in space technology, and continuing challenges of space and manned space flight. An Introduction to Astronomy explores the history of astronomy to include prehistoric astronomy, the early ideas of the heavens. The size and shape of the earth are discussed as well as the distance and size of the Sun and Moon. Other topics such as astronomy in the Renaissance and Isaac Newton and the birth of astrophysics and the growth of astrophysics are explored. Leadership Education 3 gives cadets critical information about life after high school with units on applying for college including financial aid; the job search process including applications, resumes, and interviews; personal financial management; and possible federal, aerospace, and military careers. AS/LE 3 cadets will help lead cadet activities and set the example for AS/LE 1, 2, or 3 students, especially in the areas of self-discipline and personal appearance, if selected for a flight crew position.

AIR FORCE JUNIOR ROTC 4***375405CW Unit: 1***

Grade: 12

Prerequisites: SASI Approval

This is an elective course that will provides cadets that are members of the Key Staff (FDHS) or ARHS Command Staff who hold officer and enlisted positions for specific contracted positions. This course offers an opportunity for cadets in managing a JROTC unit-including its various activities systems and technology, and managing themselves as they help manage the unit.

AEROSPACE SCIENCE 4***375406CW Unit: 1***

Grade: 12

Prerequisites: SASI Approval

This is an elective course that introduces cadets to the world's cultures through the study of world affairs, regional studies, and cultural awareness. The course delves into history, geography, religions, languages, culture, political systems, economics, social issues, environmental concerns, and human rights. It looks at major events and significant figures that have shaped each region. This provides cadets not only with historical overview that is critical for today's global citizen, but also the current situations in the various regions, preparing cadets to live in our increasingly interdependent world. Leadership: An Introduction to Management provides an introduction to management and its application to JROTC. It defines what management is and what managers do. Finally, the chapter explains the similarities and differences between a leader and a manager and how a manager should think about the health and growth of the organization. Pre-approved cadets may be placed among first, second and third-year cadet classes in cadet officer or NCOIC leadership positions.

AEROSPACE SCIENCE HONORS 4***375405HW Unit: 1***

This is an elective course that will allow FDHS (Key Staff) or (Command Staff) to earn Honors Credit for a more demanding version of "Management of the Cadet Corps" allowing cadets the opportunity to improve their leadership, management, and organizational skills. This culminating honors project is designed for cadets to demonstrate essential skills through reading, writing, speaking, production, and/or performance. Cadet skills in analysis, logic, and creativity will also be showcased through successful completion of this project.

AFJROTC CADET LEADERSHIP COURSE***375403CW Unit: ½*****Grades: 10-12**

Prerequisite: Aerospace Science 1 and Instructor selection

This course prepares JROTC cadets for leadership roles within the cadet wing. Conducted at The Citadel during summer with a student population of about 350 from 17-20 different schools. The instruction is provided by AFJROTC instructors from the represented schools. The course is a high-intensity training environment consisting of physical training, classroom academics, drill, parade practice, room inspections, uniform inspections, and competitive sports. Upon completion, cadets will understand the importance of time management, how to get along with others, how to be a follower and a leader, and what it takes to be successful in a group. There are a limited number of slots available, and cadets must be selected to participate.

Courses listed in this Career and Technical Education (CTE) course guide is categorized by career clusters and includes course codes, recommended maximum enrollments, and numbers of units (credits) per course, prerequisites, and course descriptions.

Environmental and Natural Resources Management (ARHS)

Agriculture Science and Technology
Wildlife Management
Environmental and Natural Resource Management
Agriculture Science and Technology for the Workplace
Agriculture, Food, and Natural Resources, Internship

Plant and Animal Systems (ARHS)

Agriculture Sciences and Technology
Agribusiness and Marketing
Farm Animal Production
Agriculture Science and Technology for the Workplace
Agriculture, Food, and Natural Resources, Internship

Agriculture Food & Natural Recourses Courses (DCCTC)

Agriculture Science and Technology for the Work Place 1
Environmental and Natural Resources Management for the Workplace 2
Heavy Equipment Operation (Agriculture Mechanics & Technology for the Workplace
Equipment Operation and Maintenance
Agriculture, Food, and Natural Resources, Internship

Architecture and Construction (DCCTC)

Carpentry 1, 2, 3, 4
Electricity 1, 2, 3, 4
Architecture & Construction, Internship

Arts, Audio-Video Technology & Communications (SHS)

Media Technology 1, 2, 3, 4
Arts Audio Video Technology & communications, Internship

Arts, Audio-Video Technology & Communications (DCCTC)

Architectural Design 1, 2
Arts Audio Video Technology & communications, Internship

Business, Finance & Information Systems

Advanced Webpage Design and Development
Accounting 1, 2 (ARHS)
Advanced Placement Computer Science A (FDHS)
Advanced Placement Computer Science Principles (FDHS)
Banking Services (SHS)
Business Finance
Entrepreneurship
Fundamentals of Computing
Fundamentals of Web Design and Development
Finance, Work-Based Credit
Integrated Business Application Web Page Design 1
Business Finance, Internship
Business Management & Administration, Internship
Informational Technology, Internship

Education and Training (SHS)

Child Development
Early Childhood Education 1, 2
Education and Training Internship

Environmental & Natural Resources System Management (ARHS)

Agricultural Science and Technology
Equipment Operations and Maintenance
Environmental and Natural Resources Management
Outdoor Recreation
Wildlife Management
Agriculture, Food and Natural Resources, Internship

Environmental & Natural Resources – Horticulture Pathway (ARHS)

Agricultural Science and Technology
Introduction to Horticulture
Equipment Operations and Maintenance
Horticulture for the Workplace 1, 2
Turf and Lawn Management
Agriculture, Food and Natural Resources, Internship

Health Science (DCCTC, FDHS, SHS)

Emergency Medical Services 1, 2
Health Science 1, 2
Health Science, Internship

Hospitality and Tourism (ARHS, FDHS and SHS)

Introduction to Culinary Arts
Culinary Arts 1, 2
Baking and Pastry 1
Hospitality and Tourism Internship

Hospitality and Tourism (DCCTC)

Culinary Arts 1, 2
Hospitality & Tourism Internship

Human Services (DCCTC)

Cosmetology 1, 2, 3, 4
Nail Technology 1, 2
Human Services, Internship

Informational Technology Dual Credit Courses – ECPI (ARHS, FDHS and SHS)

Introduction to Operating Systems
Network Security Concepts
Networking 1, 2
UNIX Administration
Cloud Computing Concepts
Computer Configuration 1, 2

Law, Public Safety & Security (DCCTC)

Emergency & Fire Management Services 1, 2

Law Enforcement 1, 2

Law, Public Safety, Corrections & Security, Internship

Marketing (FDHS & ARHS)

Marketing

Digital Media Marketing

Marketing, Internship

Manufacturing Technology (SHS)

Mechatronics Integrated Technology I Industrial Safety

Mechatronics Integrated Technologies 1, 2, 3, 4

Manufacturing, Internship

Manufacturing Technology (DCCTC)

Machine Technology 1, 2

Welding Technology 1, 2, 3, 4

Manufacturing, Internship

Project Lead The Way – Biomedical Sciences (ARHS, FDHS and SHS)

PLTW Biomedical Sciences

PLTW Human Body Systems

PLTW Medical Interventions

PLTW Biomedical Innovations

PLTW Health Science, Internship

Science, Technology, Engineering, and Mathematics (ARHS, FDHS and SHS)

PLTW Introduction to Engineering Design

PLTW Principles of Engineering

PLTW Aerospace Engineering

PLTW Environmental Sustainability (ARHS)

PLTW Civil Engineering and Architecture

PLTW Digital Electronics

PLTW Engineering Design and Development (SHS)

Science, Technology, Engineering, and Mathematics, Internship

Sports Medicine (ARHS, FDHS and SHS)

Sports Medicine 1, 2, 3

Medical Terminology

Health Science, Internship

Transportation & Logistics (DCCTC)

Automotive Collision Repair 1, 2, 3, 4

Automotive Technology 1, 2, 3, 4

Diesel Engine Technology 1, 2

Transportation, Distribution & Logistics, Internship

Career and Technical Education (CTE)

Pathways to College and Career Readiness - Career Clusters

In order to provide a way for schools to organize instruction and student experiences around broad categories of occupations from entry through professional levels we must link to what is described as a career cluster. The current definition of a career cluster consists of a grouping of occupations and broad industries based on commonalities. Career clusters connect what students learn in school with the knowledge and skills they need for success in college and careers. Each career cluster identifies different pathways from secondary school to two-and four-year colleges, graduate school, and the workplace.

<u>Agriculture, Food & Natural Resources (ARHS only)</u> <ul style="list-style-type: none"> •Agribusiness Systems •Animal Systems •Environmental Service Systems •Food Products & Processing Systems •Natural Resources Systems •Plant Systems •Power, Structural & Technical Systems 	<u>Finance</u> <ul style="list-style-type: none"> •Accounting •Banking Services •Business Finance •Insurance •Securities & Investments 	<u>Law, Public Safety, Corrections & Security</u> <ul style="list-style-type: none"> •Correction Services •Emergency & Fire Management Services •Law Enforcement Services •Legal Services •Security & Protective Services
<u>Architecture & Construction</u> <ul style="list-style-type: none"> •Construction •Design/Pre-Construction •Maintenance/Operations 	<u>Health Sciences</u> <ul style="list-style-type: none"> •Biotechnology Research & Development •Diagnostic Services •Health Informatics •Support Services •Therapeutic Services 	<u>Manufacturing (SHS only)</u> <ul style="list-style-type: none"> •Health, Safety & Environmental Assurance •Logistics & Inventory Control •Maintenance, Installation & Repair •Manufacturing Production Process Dev. •Production •Quality Assurance
<u>Arts, A/V Technology & Communications (SHS only)</u> <ul style="list-style-type: none"> •A/V Technology & Film •Journalism & Broadcasting •Performing Arts •Printing Technology •Telecommunications •Visual Arts 	<u>Hospitality & Tourism</u> <ul style="list-style-type: none"> •Lodging •Recreation, Amusements & Attractions •Restaurants & Food/Beverage Services •Travel & Tourism 	<u>Marketing</u> <ul style="list-style-type: none"> •Marketing Communications •Marketing Management •Marketing Research •Merchandising •Professional Sales
<u>Business Management & Administration</u> <ul style="list-style-type: none"> •Administrative Support •Business Information Management •General Management •Human Resources Management •Operations Management 	<u>Human Services (SHS only)</u> <ul style="list-style-type: none"> •Consumer Services •Counseling & Mental Health Services •Early Childhood Development & Services •Family & Community Services •Personal Care Services 	<u>Science, Technology, Engineering & Mathematics</u> <ul style="list-style-type: none"> •Engineering & Technology •Science & Mathematics
<u>Education & Training (SHS only)</u> <ul style="list-style-type: none"> •Administration & Administrative Support •Professional Support Services •Teaching/Training 	<u>Information Technology</u> <ul style="list-style-type: none"> •Information Support & Services •Network Systems •Programming & Software Development •Web & Digital Communications 	<u>Transportation, Distribution & Logistics</u> <ul style="list-style-type: none"> •Facility & Mobile Equipment Maintenance •Health, Safety & Environmental Management •Logistics Planning & Management Services •Sales & Service •Transportation Operations •Transportation Systems/Infrastructure Planning, Management & Regulation •Warehousing & Distribution Center Operations

DORCHESTER SCHOOL DISTRICT TWO

CAREER AND TECHNOLOGY EDUCATION

PROGRAMS AND COURSES

The Career and Technology Education (CTE) Course Catalog is a listing of CTE courses categorized by career clusters which includes course codes, recommended maximum enrollments, numbers of credits/seal time hours per course, prerequisites, and course descriptions.

Agriculture, Food and Natural Resources

Agricultural Education is a program for students interested in pursuing careers in natural resources, environmental and agricultural careers. Hundreds of careers are available to students who complete this program. Each local program is designed and conducted to meet specific local needs as identified by that program's advisory committee and the school administration. These programs include training for careers in agricultural production, processing, mechanization/ engineering, communication/education, scientist, marketing/sales, horticulture, forestry, research, and agribusiness.

The agricultural education program involves the following components: rigorous classroom instruction (contextual learning), hands-on experience and career exploration (work-based learning), and the FFA (connecting activity). Programs are designed to prepare students to fill community needs, enter post-secondary agricultural programs, and develop their personal skills.

Environmental & Natural Resources System Management Pathway

Agricultural Science and Technology (ARHS)

562400CW

Unit: 1

Grades: 9-10

Prerequisite: None

Recommended Maximum Enrollment: 30

Course Description: The Agricultural Science and Technology course teaches essential concepts and understanding related to plant and animal life including biotechnology, the conservation of natural resources, and the impact of agriculture and natural resource utilization on the environment. Emphasis is placed on the role of agriculture in our society and the importance of agriculture to the welfare of the world. Basic personal and community leadership and safety and agricultural mechanical technology are included as a part of the instructional program. Each student is required to design and participate in a supervised agricultural experience.

The Agricultural Science and Technology for the Workplace (ARHS)

562000CW

Units: 2

Grade Level: 9 - 11

Prerequisite: None

Recommended Maximum Enrollment: 30

The Agricultural Science and Technology for the Workplace course teaches essential concepts and understanding related to plant and animal life including biotechnology, the conservation of natural resources, and the impact of agriculture and natural resource utilization on the environment. Emphasis is placed on the role of agriculture in our society and the importance of agriculture to the welfare of the world. Basic personal and community leadership and safety, and agricultural mechanical technology are included as a part of the instructional program. Each student is required to design and participate in a supervised agricultural experience.

Environmental and Natural Resources Management (ARHS)

562600CW

Unit: 1

Grade Level 9 - 10

Prerequisite: None

Recommended Maximum Enrollment: 30

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

Heavy Equipment Operation (Agriculture Mechanics & Technology for the Work Place 1 (DCCTC - Dorchester)
CP 560400CD Units: 2

Grades: 10-12

Equipment Operation and Maintenance (DCCTC – Dorchester)

CP 562100CD Units: 2

Prerequisite for Equipment Operation and Maintenance – Students must have a grade above 80 in Agriculture Mechanics and Technology for the Workplace 1 or teacher recommendation

Course Description: The Heavy Equipment Operation program at DCCTC is a continuous, year-long class collectively worth 4 credits. Typical instructional activities include hands-on, immersive training through the use of SimLog heavy equipment simulators for the backhoe loader, bulldozer, hydraulic excavator, articulated wheel loader, and forklift. Students have the opportunity to work through these simulations independently in order to learn the fundamental operational techniques of each piece of equipment and to hone their critical thinking skills for the application of these machines in the construction and agriculture industries. After meeting the required performance standards in the simulator lab, students move to an active quarry site located off campus owned by Austin Construction. Under the supervision of equipment operators employed by Banks Construction, students learn basic safety, operation, and maintenance techniques for each of the four pieces of heavy equipment covered by the simulation software while gaining hours of valuable “real world” operational time.

This career field’s current salary range in South Carolina is \$13.43 to \$27.01 per hour (www.onetonline.org). Students who are or will be 18 by spring semester of their senior year are eligible to take the Class A Commercial Drivers License (CDL) training at DCCTC leading to permit testing through the Department of Transportation. Upon obtaining the CDL permit, student may then enroll at Orangeburg-Calhoun Technical College to complete their CDL license. On average, having a Class A CDL license will increase the hourly rate an additional \$3.00 - \$4.00 per hour. *A \$20 lab fee and \$10 FFA dues is required for these courses each semester.*

Environmental and Natural Resources Management for the Work Place 1 (DCCTC - Dorchester)

CP 562800CD Units: 2

Grades: 10-12

Course Description: This is an introductory course in ornamental horticulture and production agriculture. Students will learn fundamental skills relating to plant propagation from small-scale backyard gardening and landscaping to large-scale production agriculture and commercial nursery/greenhouse management for the season of the year in which they are enrolled. Students will work through the steps of planning, implementing, cultivating, harvesting, and evaluating various horticultural and agricultural operations. Students are encouraged to begin and/or expand their own home gardens and are provided plants through the program. Students will also be able to join the Dorchester Dust Devils, DCCTC’s clay sports team. *A \$20 lab fee and \$10 FFA dues is required for this course.*

Environmental and Natural Resources Management for the Work Place 2 (DCCTC- Dorchester)

CP 562900CD Units: 2

Grades: 10-12

Course Description: This is the continuation of introductory course in ornamental horticulture and production agriculture. Students will continue learning fundamental skills relating to plant propagation from small-scale backyard gardening and landscaping to large-scale production agriculture and commercial nursery/greenhouse management for the season of the year in which they are enrolled. Students will work through the steps of planning, implementing, cultivating, harvesting, and evaluating various horticultural and agricultural operations. Students are encouraged to begin and/or expand their own home gardens and are provided plants through the program. This career field’s current salary range in South Carolina is \$9.23 to \$26.39 per hour (www.onetonline.org). Students will have the opportunity to join the Dorchester Dust Devils, DCCTC’s clay sports team. *A \$20 lab fee and \$10 FFA dues is required for this course.*

Farm Animal Production (ARHS only)

564700CW Unit: 1

Grades: 10 - 12

Prerequisite: Agricultural Science and Technology or Agricultural Biosystems Science

Recommended Maximum Enrollment: 30

Course Description: Farm Animal Production teaches technical knowledge and skills for entry-level positions in an animal production enterprise by developing students’ competency in the selection, breeding, physiology, nutrition, health, housing, feeding, and marketing of farm animals. Typical instructional activities include hands-on experiences with the principles and practices essential in the production and management of farm animals and farm animal products for economic, recreational, and therapeutic uses; participating in personal and community leadership development activities; planning and implementing a relevant work-based learning transition experience; and participating in Future Farmers of America (FFA) activities.

Agribusiness and Marketing (ARHS)**560000CW Unit: 1****Grades:** 10 - 12

Prerequisite: One of the following courses: Agricultural Science and Technology, Agricultural Mechanics and Technology, Environmental and Natural Resources Management, Introduction to Horticulture, or Agricultural Biosystems Science (depending on the pathway)

Recommended Maximum Enrollment: 30

Course Description: Agribusiness and Marketing is designed for the student who plans to seek employment on, manage, or own a farm or who seeks employment in an agribusiness field. Students will be involved in learning activities that generally prepare them to apply the economic and business principles involved in the organization, operation, and management of a farm, ranch, or agribusiness. Typical hands-on learning experiences include applying modern economic and business principles involved in the organization, operation, and management of agricultural businesses, including the production and marketing of agricultural products and services; applying computer application models; participating in personal and community leadership development activities; planning and implementing a relevant work-based learning transition experience; and participating in Future Farmers of America (FFA) activities.

Wildlife Management (ARHS only)**567400CW Unit: 1****Grades:** 10 -12

Prerequisite: Environmental and Natural Resources Management

Recommended Maximum Enrollment: 30

Course Description: The Wildlife Management course is designed to be introductory course for the Environmental and Natural Resources pathway. The course is a combination of subject matter and planned learning experiences on the principles involved in the conservation and/or improvement of natural resources such as air, soil, water, land, forest, and wildlife for economic and recreational purposes. Instruction also emphasizes such factors as the establishment, management, and operation of land for recreational purposes.

Agriculture, Food and Natural Resources, Internship (ARHS)**569000CW Unit: 1****Grade:** 11 - 12

Prerequisite: Completion of two (2) CTE courses/units within a program

Recommended Maximum Enrollment: None

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

Agriculture, Food, and Natural Resources, Work-Based Learning Credit (DCCTC - Dorchester)**569000CW Unit: 1**

Prerequisites: Senior and completer of a DCCTC career and technology program in Agriculture, Food, and Natural Resources with a grade of 80 or higher and instructor recommendation

Course Description: Natural Resources cluster and instructor recommendation Seniors who have completed a career and technology program and desire work experience in a related field or desire to further enhance their skills may enroll in a work based learning course. Students should express their interest in enrolling to their instructor and counselor. Students desiring to work in a related field must provide their own transportation to work sites. *A \$20 lab fee is required for this course.*

Arts, Audio-Video Technology and Communications

The competency listings are intended to serve as guides to assist teachers and administrators in providing an instructional program that is current and relevant. Arts, AV Technology, and Communications skill standards address what a worker needs to know and be able to do and contribute to a safe, productive, and effective work environment. Students will be properly prepared for their careers when the standards listed are integrated with quality instructional techniques. The standards provide a secure foundation for future training in the student's career.

The following provide the basis for development of a student profile that can be shared with prospective employers, and in many instances, the standards can be used for planning and implementing articulation agreements with comparable programs at the post-secondary level.

Media Technology

Media Technology 1 (SHS only)

612400CW

Unit: 1

Media Technology 2 (SHS only)

612500CW

Unit: 1

Grades: 10 -12

Prerequisite: None, courses taken sequentially

Recommended Maximum Enrollment: 24

Course Description: In the Media Technology program, students will explore the general field of communications and will focus primarily on audio and motion media industries. Students will also learn about related fields such as radio, graphic design, computer graphics, animation, special effects, online media development, advertising, public relations, and corporate communications. Students will get hands-on experience in basic production techniques for audio, video, and film. They will learn how to use industry-standard equipment and will develop skills including writing, directing, producing, and editing video pieces of increasing complexity.

Media Technology 3 (SHS Only)

612500HW

Unit: 1

Media Technology 4 (SHS Only)

612700HW

Unit: 1

Grades: 11-12

Prerequisite: Media Technology 1 and 2 take sequentially

Recommended Maximum Enrollment: 24

Course Description: In the Media Technology program, students will explore the general field of communications and will focus primarily on audio and motion media industries. Students will also learn about related fields such as radio, graphic design, computer graphics, animation, special effects, online media development, advertising, public relations, and corporate communications. Students will get hands-on experience in basic production techniques for audio, video, and film. They will learn how to use industry-standard equipment and will develop skills including writing, directing, producing, and editing video pieces of increasing complexity.

Architectural Design 1 (DCCTC – Dorchester)

CP 617000CD

Units: 2

Grades: 10-12

Prerequisites: Students should enjoy math & have passed or be enrolled in Algebra 1-B or Algebra 1

Course Description: This course is intended to develop the basic skills for the completion of architectural design/CAD's two semester program. Skills developed in this course will promote students into a Computer Aided Drafting (CAD) career with emphasis in Architecture and Engineering. This course will introduce AutoDesk AutoCAD and Revit CAD programming through residential floor plans, elevation and sectional drawings, as well as, various construction plans and technical drawings to include freehand sketching. With virtually every career industry utilizing technical drawings to design or manufacture elements, this course is a must. Upon completion of this course with a passing grade of 78, or instructor approval, students may attend the Architectural Design 2 program to further their knowledge and skillset. This will include an opportunity for SkillsUSA competition training and AutoCAD User Certification opportunity. This course is also an option for the computer science credit required for a high school diploma. *A \$20 lab fee is required for this course.*

Architectural Design 2 (DCCTC - Dorchester)**CP 617100CD****Units: 2****Grades:** 10-12**Prerequisite:** Architectural Design 1 with a grade of 71 or above

Course Description: This course is intended to enhance the existing skills attained in Architectural Design 1 to include preparation for an entry-level drafting position in the workforce or admittance into a post-secondary school. Students will extend their knowledge with CAD programming to include three-dimensional design and execution on our 3D printer and/or two-dimensional design and machining on our CNC machine. This course also prepares for SkillsUSA competition in Architecture Drafting or Technical Drafting pending student's desire and instructor's approval. With more emphasis in AutoCAD and/or Revit, students will have the opportunity, per instructor approval, to earn their AutoCAD User Certification (ACU) or their Revit Certification both recognized worldwide. CAD programming is used in various architectural and engineering fields, such as, surveying, civil engineering, electrical engineering, manufacturing, building construction, architect and landscape architect just to name a few. This career field's current salary range in South Carolina is between \$16.19 to \$41.02 per hour (www.onetonline.org). *A \$20 lab fee is required for this course.*

Arts Audio Video Technology & Communications, Internship/Work-Based Learning 1 & 2 (SHS)**52900CW Unit: 1****Grades:** 11-12**Prerequisite:** Completion of two (2) CTE courses/units within a program**Recommended Maximum Enrollment:** None

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

Arts, Audio-Video Technology and Communications Work Based Learning Credit (DCCTC – Dorchester & Woodland High School)**529000CW****Unit: 1**

Prerequisites: Senior and completer of career and technology program in the architectural design program and instructor recommendation

Course Description: Seniors who have completed a career and technology program and desire work experience in a field related to architectural design or desire to further enhance their skills may enroll in a work based learning (WBL) course. Students should express their interest in enrolling to their instructor and counselor. Students desiring to work in a related field must provide their own transportation to work sites. *A \$20 lab fee is required for this course.*

Architecture and Construction

Building Construction 1 (DCCTC – Dorchester)**CP 606000CD****Units: 2****Grades:** 10-12

Course Description: This course is part of the instructional program that prepares students to perform entry-level building construction tasks under the direction of a supervisor or an experienced craftsman. Primary instruction is given in basic carpentry, masonry, residential electricity, plumbing and safety practices. *There is a \$20 shop fee due at the beginning of each semester required for this course.*

Building Construction 2 (DCCTC – Dorchester)**CP 606100CD****Units: 2****Grades:** 10-12**Prerequisite:** Building Construction 1 with a grade of 70 or higher

Course Description: This course provides in-depth instruction on floor systems, wall framing, roofing and brick masonry. Students learn to read and interpret blueprints, sketches and building plans. Students may be eligible to participate in cooperative work experiences or apprenticeships, which combine career and technology training with supervised work experience in business and industry. This career field's current salary range in South Carolina is \$11.53 to \$19.95 per hour (www.onetonline.org). *There is a \$20 shop fee due at the beginning of each semester required for this course.*

Electricity 1 (DCCTC - Dorchester)**CP 628700CD****Units: 2****Grades: 10-12**

Course Description: Electricity 1 students will learn introductory electrical skills for residential buildings in accordance with current national electrical codes. Areas covered in Electricity 1 include: basic and electrical safety, construction math, hand tools, power tools, blueprints, rigging, communication, employability skills and hand bending. All sections include multiple hands on projects. Students need a grade of 71 or higher to advance to Electricity 2. Students in this course will have the opportunity to participate in the AINautics drone pilot training class. Upon successful completion of this training and passing of the national exam, students can obtain the Federal Aviation Authority (FAA) Remote Drone Pilot license. *A \$20 lab fee is required for this course.*

Electricity 2 (DCCTC - Dorchester)**CP 628800CD****Units: 2****Grades: 10-12**

Prerequisite: Electricity 1 with a grade of 71 or above

Course Description: Electricity 2 students will move from small project boards to full scale rooms for all wiring projects. Areas covered in Electricity 2 include: Electrical theory 1 and 2, electrical test equipment, intro to NEC, raceways and boxes, conductors, electrical blueprints, and commercial, residential and industrial wiring. Completers of electricity 2 will have an opportunity to gain employment for summer work with an electrical contractor with the possibility of enrolling into the electrical apprenticeship program. Students need a grade of 81 or higher to advance to electricity 3. This career field's current salary range in South Carolina is \$10.67 to \$19.22 per hour (www.onetonline.org). A \$20 lab fee is required for this course.

Electricity 3 (DCCTC - Dorchester)**CP 628900CD****Units: 2****Grade: 12**

Prerequisite: Electricity 2 (grade of 81 or higher and instructor recommendation)

Course Description: The student's main objective in this course is to be placed on a jobsite for work based learning. In the classroom, the main objective is to teach the students commercial and industrial codes and electrical applications. Course instruction is more in depth in Electrical theory, National Electrical code and employability skills. DCCTC's goal is to have our students prepared for a simple transition from school to work. *A \$20 lab fee is required for this course.*

Electricity 4 (DCCTC - Dorchester)**CP 629000CD****Units: 2****Grade: 12**

Prerequisite: Electricity 3 (grade of 81 or higher and instructor recommendation)

Course Description: This course is offered only for students who are eligible for work placement with the DCCTC's school to work program. *A \$20 lab fee is required for this course.*

Architectural & Construction Work-Based Learning Credit (DCCTC – Dorchester)**CP 669000CW****Unit: 1****Grade: 12**

Prerequisites: Senior and completer of career and technology program in the construction trades and instructor recommendation

Course Description: Seniors who have completed a career and technology program and desire work experience in a field related to architecture and construction or desire to further enhance their skills may enroll in a work based learning (WBL) course. Students should express their interest in enrolling to their instructor and counselor. Students desiring to work in a related field must provide their own transportation to work sites. *A \$20 lab fee is required for this course.*

Business, Finance & Information Systems

Business Management and Administration

Welcome to the Business World. One of the fastest-growing and highest-paying sectors of the South Carolina job market is Business, Management, and Administration. Why? Every South Carolina company—from small Mom-and-Pop shops to sprawling manufacturing plants—needs employees with strong financial, organizational, time-management, and communication abilities. If you choose the Business, Management, and Administration cluster, you'll acquire all of these valuable skills while also building a rock-solid academic foundation in math, science, and English. Read on to explore whether or not you're suited for a career in Business, Management, and Administration.

People with business skills are the ones that make the deals that build profitable companies that power the global economy. A career in business can take an individual to the CEO's corner office on the top floor of a skyscraper or around the world making million-dollar deals.

The business management, and administration industry is the highest paying, with nearly half of all jobs in management and professional occupations. For those who have always wanted to be their own boss, this is the cluster to consider. Surveys indicate that about one-fourth of all workers in BMA careers are self-employed.

Entrepreneurship

540000CW Unit: 1

Grades: 10-12

Prerequisite: None

Recommended Maximum Enrollment: 24

Course Description: This course is designed to provide students with the knowledge and skills leading to the development of a business plan for small business ownership. An important part of the course will be the incorporation of traditional and non-traditional marketing strategies, technology, staffing, and financial considerations.

Integrated Business Applications 1

502000CW Unit: 1

Grades: 9 –12

Prerequisite: None

Recommended Maximum Enrollment: 24

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

Business Management and Administration, Internship/Work-Based Learning

549000CW Units: 1

Grade Level: 11-12

Prerequisite: Completion of two (2) CAE courses within a program

Recommended Maximum Enrollment: None

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

Finance

Financial Planning combines the skill sets of financial managers with that of a more relationship-oriented individual. They typically work with clients either in daily, one time transactions at the bank or as lifelong, trusted confidants who fully manage their client's wealth. These are professional people whose expertise and knowledge is valued by those they serve, whether it's to make a deposit, recommend a life insurance policy, or manage a retirement fund. People who enter the pathway of Business Finance are process-oriented. They like to see numbers add up and enjoy problem solving as a result. From entry level billing clerks to CFOs of major corporations, everyone in this cluster enjoys math and most likely is skilled with computers and accounting software as well.

Accounting 1 (required)

500100CW

Unit: 1

Grades: 10 -12

Prerequisite: Algebra 1 and/or instructor approval

Recommended Maximum Enrollment: 24

Course Description: Accounting 1 is designed to help the student develop the skills necessary for the highly technical interaction between accounting and business, to develop an understanding of the steps of the accounting cycle as applied to several different kinds of business operations, and to develop an understanding of accounting concepts, principles, and practices. Use of the computer in simulated activities gives the student an opportunity to see the advantages of technology in accounting procedures.

Accounting 2

500500CW

Unit: 1

Grades: 10 – 12

Recommended Maximum Enrollment: 24

Prerequisite: Accounting 1 with a minimum of C or better **and/or** instructor approval

Course Description: Accounting 2 expands the student's understanding of accounting subsystems and develops as understanding of various methods of internal control procedures. The students develops competence in using subsidiary ledgers, in preparing financial statements, and in performing end-of-period procedures. The student will demonstrate the use of accounting principles through the use of computer software and stimulated activities.

Banking Services (SHS only)

527100CW

Unit: 1

Grades: 9-12

Prerequisite: None

Recommended Maximum Enrollment: 24

Course Description: Banking Services is designed to offer a unique approach to understanding the banking services. provides an introduction to banking services and functions, including business of banking, careers in banking and finance, origins and purpose of banking, money and interest, deposits in banking, negotiable instruments, bank loans, mortgages, commercial lending, specialized bank service, promoting the bank, and security and ethics. **OBJECTIVE:** Given the necessary equipment, supplies, and facilities, the student will complete all of the following core standards successfully.

Business Finance

527300CW

Unit: 1

Grades: 10-12

Prerequisite: Accounting 1

Recommended Maximum Enrollment: 24

Course Description: Business Finance is designed to provide students with a foundation in corporate business finance concepts and applications including fundamentals, financial environment, management planning, maintenance and analysis of financial records, long and short term financial activities, financial business activities, financial institutions and banking services, consumer credit, business insurance, technology and financial management, and international finance.

Business Finance Internship/Work-Based Learning Credit	619000CW	Unit: 1
Finance Internship/Work-Based Learning Credit	619000CW	Unit: 1

Grades: 10 - 12

Prerequisite: Completion of two (2) CTE courses/units within a program

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

Information Technology

Information Technology cluster includes courses and/or programs related to designing, developing, managing, and operating communication and information technology networks and related hardware and software for the recording, storage, transformation, transmission and distribution of voice, video, images, and data including both telecommunications and computing services. Information Technology careers involves the design, development, support, and management of hardware, software, multimedia and systems integration services. Technological advances and global competition have transformed the nature of work. Tomorrow's jobs will require more knowledge, better skills, and more flexible workers than ever before. Tomorrow's workers must be prepared to change jobs and careers several times.

Fundamentals of Computing (Exploring Computer Science-name change) 502300CW Unit: 1

Grades: 9 -12 (Preference 9 - 10)

Prerequisite: IT Cluster declared on IGP or Algebra I (or equivalent), and/or teacher recommendation

Recommended Maximum Enrollment: 24

Course Description: Exploring Computer Science introduces students to the field of computer science through an exploration of engaging and accessible topics. Rather than concentrating entirely on learning particular software tools or programming languages, students focus on the conceptual ideas of computing and get an understanding of the tools and languages that might be used to solve particular problems. The goal of Exploring Computer Science is to develop students' problem solving and critical thinking skills within the context of problems that are relevant to their lives. Students will also be introduced to topics such as interface design, limits of computers, and societal and ethical issues.

Fundamentals of Web Page Design and Development

503100CW Unit: 1

Grades: 10 -12

Prerequisite: Fundamentals of Computing or Digital Multimedia and/or Digital Literacy Course

Recommended Maximum Enrollment: 24

Course Description: This course is designed to provide students with the knowledge and skills needed to design and develop websites. Students will attain skills in designing, implementing, and maintaining websites using authoring tools.

Advanced Web Page Design and Development

503300CW Unit: 1

Grades: 10-12

Prerequisite: None

Recommended Maximum Enrollment: 24

Course Description: This advanced course is designed to provide students with the knowledge and skills necessary to pursue careers in web design and development. Students will develop skills in advanced HTML and CSS coding, scripting, layout techniques, and other industry-standard practices. In Advanced Web Design and Development, students must be able to edit source code directly rather than using a WYSIWYG editor. NOTE: Websites created by students in this course are not to be published without following district guidelines. Available Certification: CIW Web Foundations Associate and Adobe Certified Associate.

Information Technology, Internship/Work-Based Learning

539000CW Unit: 1

Grades: 11-12

Prerequisite: Completion of two (2) CTE courses/units within a program

Recommended Maximum Enrollment: None

Course Description: The information Technology work-based is a structured, stand-alone course that is taken in a CTE Classification of instructional Programs (CIP)-coded program. Each work-based learning credit (credit bearing) course has an assigned CTE course code. The guidelines listed in the CTE Work-Based Learning Implementation Guide must be followed in order to award the Carnegie unit of credit upon successful completion of the course.

Advanced Placement Computer Science A (FDHS only)**477100AW****Unit: 1****Grades:** 9 – 12**Prerequisite:** Basic English and Algebra 1**Recommended Maximum Enrollment:** None

Using the object oriented programming language Java, students will write both structured and object based software applications. The emphasis will be placed on creating classes of objects, methods that operate their data, inheritance and class associates. Topics to be covered include arrays, classes and object based programming, techniques, searching and sorting algorithms, and an introduction to algorithm analysis. Students who successfully master all requirements of this course should be prepared to take the College Board Advanced Placement Computer Science “A” Exam.

AP Computer Science Principles (FDHS only)**477500AW****Unit: 1****Grades:** 9 -12**Prerequisite:** Algebra 1**Recommended Maximum Enrollment:** None

This course introduces students to the central ideas of computer science, inviting student to develop the computational thinking vital for success across multiple disciplines. The course is unique in its focus on fostering students to be creative and encouraging students to apply creative processes when developing computational artifacts. Students design and implement innovative solutions using an iterative process similar to what artists, writers, computer scientists, and engineers use to bring ideas to life. Students who successfully master all requirements of this course should be prepared to take the College Board Advanced Placement Computer Science Principles Exam.

Informational Technology Dual Credit Courses

Dorchester School District Two has partnered with ECPI University to offer dual credit opportunities to our students. Completion of coursework may result in students having the following professional opportunities upon graduation: Routing Specialist, Networking Specialist, and Electronics Sales Representative. If students choose to continue and receive additional training by earning a two year degree they may have the following professional opportunities: Telecommunications Manager, LAN Administrator, and Network Technician. By completing a four year degree or higher students may have the following professional opportunities: Telecommunications Engineer, Network Administrator, Network Systems Engineer, and Systems Analyst. School counselors encourage students who are interested in the Information Technology career cluster of study to take advantage of accessing coursework in this field.

Information Technology (Nationally Recognized)

Major: Networking Systems – (NS)

Major: Information Support and Services (ISS)

Major: Programming and Software Development (PSD)

Careers in Network Systems involve network analysis, planning, and implementation; including design, installation, maintenance, and management of network systems. Individuals in Networking Systems design and manage sets of computers called network systems that are connected to each other or to one main computer. They also develop and install network software operating system, and hardware. Available certifications includes:

Introduction to Operating Systems**532000EW (CIS106) ECPI****Unit: 1****Grades:** 10 - 12

Course Description: This course provides an introduction to the major hardware/software components of computer-based operating systems. (NS, ISS and PSD)

Network Security Concepts**676200EW (CIS 212) ECPI****Unit: 1****Grades:** 10 -12**Prerequisite:** CIS150

Course Description: The course conducts an overview of networking, network communications, network security, and basic troubleshooting methodologies to identify and resolve common network connectivity problems, common vulnerabilities and network performance problems. (NS)

Networking 1
Grades: 10 - 12

675900EW (CIS 150) ECPI Unit: 1

Course Description: This course focuses on an introduction to networking technology and its implementation. The course conducts an in-depth examination of microcomputer setup and troubleshooting skills, networking implementation, networking troubleshooting, basic security implementation, basic security troubleshooting, interpersonal communication skills and personal management, introduction to topologies for different types of networks, familiarity of connectivity devices, and various LAN and WAN services. (NS)

UNIX Administration
Grades: 10 - 12

676100EW (CIS 206) ECPI Unit: 1

Course Description: This course provides the student with knowledge and understanding of UNIX using a generic platform operating system. Topics covered include operating system architecture, system customization, and mounting, unmounting, and basic network administration including administering user accounts, problems diagnostics, system commands, and utilities. (NS)

Networking 2
Grades: 10 - 12

676000EW (CIS- 225) ECPI Unit: 1

Prerequisite: CIS150

Course Description: The course conducts an overview of networking, network communications, network security, and basic troubleshooting methodologies to identify and resolve common network connectivity problems, common vulnerabilities and network performance problems. (NS)

Software Logic and Design
Grades: 10 -12

675000EW (CIS 121) ECPI Unit: 1

Course Description: This course introduces students to programming fundamentals, environments, and planning tools. Topics include introductions to computer architecture, code translators, primitive data types, data organization, and flowcharting. Emphasis is placed on modeling processes using structured, procedural logic. (ISS and PSD)

Cloud Computing Concepts
Grades: 10 - 12

675100EW (CIS-142) ECPI Unit: 1

Course Description: This course introduces cloud computing architecture and security concepts. Students will learn about the benefits of cloud computing, cloud characteristics, cloud models and solutions along with deployment methods. Students will also gain an understanding of hardware, storage, thin clients and virtualization in the cloud. Students will implement cloud security fundamentals through the use of virtualization security management. Upon successful course completion, students will understand current cloud computing technologies and environments. (ISS)

Computer Configuration
Grades: 10 - 12

675200EW (EET-250) ECPI Unit: 1

Course Description: This course provides a basic understanding of the current state of computer organization. Students will learn about memory types, basic CPU architecture, memory access, supporting bus systems and I/O ports. Students are introduced to detailed procedures of installation, configuration and upgrade of personal computers. Upon successful course completion, students will be able to troubleshoot, maintain and repair PCs. (ISS)

Computer Configuration 2
Grades: 10 - 12

675300EW (EET-251) ECPI Unit: 1

Course Description: This course covers computer peripheral devices. Students will learn about the operation, installation, configuration, maintenance and repair of these devices. Upon successful course completion, students will be able to address safety and environmental concerns as they relate to peripheral devices. (ISS)

Education and Training

This program of study provides opportunities for students to develop skills that relate to the art of teaching. The program provides instruction in the teaching profession, communication skills, human growth and development, planning and instructional strategies, and school - societal relationships. Technology is integrated throughout the course work. Participation in student organizations Future Educators Association (FEA) and Family, Careers, and Community Leaders of America (FCCLA) greatly enhance the learning experience.

Education and Training Pathway

Child Development 1 (SHS only)

CP580000CW

Unit: 1

Grades: 9 -12

Prerequisite: None

Recommended Maximum Enrollment: 30

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

Early Childhood Education 1 (SHS only)

CP570000CW

Units: 2

Grades: 10 -11

Prerequisite: None

Recommended Maximum Enrollment: 30

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

Early Childhood Education 2 CP (SHS only)

570100CW

Units: 2

Grades: 11-12

Prerequisite: Early Childhood 1 – course taken sequentially

Recommended Maximum Enrollment: 30

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

Education and Training, Internship/Work-Based Credit (SHS only) **639000CW**

Unit: 1

Grades: 11 - 12

Prerequisite: Completion of two (2) CTE courses/s within a program

Recommended Maximum Enrollment: None

Course Description: Education and Training Internship is a structured work-based credit bearing course that is taken as a fourth unit in a three- or four-unit CTE completer program. Each work-based learning (credit bearing) course has an assigned CTE course code. The guidelines listed in the CTE Work-Based Learning Implementation Guide must be followed in order to award one Carnegie unit of credit upon successful completion of the course.

Health Science Education

Health Science Education is a secondary program of study that promotes health career opportunities to students in grades 9-12. Integration of health science courses, work-based learning experiences, HOSA-Future Health Professionals activities, and academics allow students to make informed decisions regarding an array of careers and educational pursuits.

Emergency Medical Services 1 (DCCTC - Dorchester)

CP 553100CD

Units: 2

Grades: 10-12

Course Description: This course is an Introduction to the Emergency Medical Responder program. It is designed as a skill-based training. Student/candidates will learn all of the basic emergency skills to function until emergency medical technicians and paramedics arrive. Moderate physical activity will be experienced by the student/candidates during indoor and outdoor training scenarios. *A \$20 lab fee is required for this course.*

Emergency Medical Services 2 (DCCTC - Dorchester)

CP 553200CD

Units: 2

Grades: 10-12

Prerequisite: Emergency Medical Services 1 CP with a grade of 80 or higher

Course Description: This course is a continuation of EMS 1. Student/candidates will use the skills learned in EMS 1 and combine it with the course content to successfully work through real-life emergency scenarios and complete required patient contacts. Completion of the course will entitle the student/candidate to take the National Registry Emergency Medical Exam for certification. Completion will also allow the student/candidate to take the Emergency Medical Technician course. This career field's current salary range in South Carolina is \$11.58 to \$23.73 per hour (www.onetonline.org). A \$20 lab fee is required for this course.

Health Science 1 (DCCTC – Dorchester & DCCTC – Trolley Rd)

CP 555000CD

Units: 2

Grades: 10-12

Curriculum Includes: Health Science 1 (555000CD) and Health Science 2 (555100CD)

Course Description: This course is designed to familiarize students with healthcare career opportunities and assist them in acquiring entry-level knowledge and skills applicable to healthcare fields. Emphasis will be placed on selecting a healthcare career, recognizing healthcare facilities and methods of paying for healthcare, professional communication skills, safe work practices and the prevention of infection, and related medical terminology. Students can also participate in HOSA (Health Occupations Students of America), which is a student led organization and community service in healthcare. *A \$20 lab fee is required for this course.*

Health Science 1 (FDHS and SHS)

CP 555000CW

Units: 2

Grades: 9-12

Prerequisite: Biology

Recommended Maximum Enrollment: 24

Course Description: Health Science 1 is the first of four courses offered to students interested in pursuing a career in the healthcare field. In this first course students are provided an overview of healthcare history, cultural diversity, medical terminology, medical math, infection control, basics of the organization of healthcare facilities, and personal health and lifestyle choices. A major focus is placed on introduction to health careers, professionalism and employability skills. Students achieve an understanding of where healthcare has been, where it's going and how professionalism and personal characteristics impact their success. Students will be introduced to "Standard Precautions" and learn about confidentiality through HIPPA. As students are guided through healthcare career exploration, they will discuss education levels, and requirements needed to be successful. Students will participate in a career project, and will learn from guest speakers in the healthcare field. First-aid procedures and fire safety are introduced. The skills and knowledge that students learn in Health Science 1 serve to prepare them for future clinical experiences such as job shadowing or internships as they advance through the Health Science courses. To advance to Health Science 2, students must achieve a score of 75% or higher in Health Science 1.

Health Science 2 (Human Body Systems & Clinical Studies)(DCCTC – Dorchester & DCCTC – Trolley Rd)
CP 555100CD Units: 2

Clinical Options: *Nursing (CNA), Dental, Veterinary, or Medical Back Office*

Grades: 10-12

Curriculum Includes: Health Science 3 (555200CD) and Health Science Clinical Studies (556000CD)

Prerequisite: Health Science 1 CP with a grade of 75 or higher and teacher recommendation or completion of Sports Medicine 1 & 2 at their home high school **

** Students completing Sports Medicine 1 and 2 at their home high school are allowed to come to DCCTC for Health Science 2 and after successful completion of this course and state exam, can obtain their Certified Nursing Assistant (CNA) licensure.

**CPCT students must be a senior and turning 18 years old by June to participate in the clinical setting.

Course Description: This course begins with core information in medical math, growth and development, death and dying, and nutrition. After completing the core, students will select one of the following components: nursing, dental, veterinary, or medical back office. Upon completion of the core modules, students will be placed in a local health care facility for a real world experience. During the course, the student will be instructed in cardiopulmonary resuscitation and have the opportunity to become CPR certified. *Students are also provided the opportunity to obtain their CNA (Certified Nursing Assistant) and/or CPCT (Certified Patient Care Technician) license.* This career field's current salary range in South Carolina is \$9.60 to \$16.03 per hour (www.onetonline.org). A \$20 lab fee is required for this course. DCCTC is a testing site facility for the Certified Nursing Assistant licensure exam. The cost for this exam is \$101.00. CNA and CPCT Students are required to provide their own transportation to the clinical setting, provide immunization records, pay the \$26 fee for the SLED check, pay the \$25 for the 2-step PPD, and pass a drug screening.

Health Science Work-Based Learning Credit (DCCTC – Dorchester & DCCTC - Trolley Rd)
559000CW Unit: 1

Grade: 12

Prerequisite: Senior and completer of a DCCTC career and technology program in health science and instructor recommendation

Course Description: Seniors who have completed a career and technology program at DCCTC and desire work experience in a field related to their completed program or desire to further enhance their skills may enroll in a Level 3 course. Students should express their interest in enrolling to their instructor and counselor. Students desiring to work in a related field must provide their own transportation to work sites. *A \$20 lab fee is required for this course.*

Project Lead the Way (PLTW) Biomedical Science Pathway

PLTW Biomedical Innovation

558300HW

Unit: 1

Grades: 12

Prerequisites: Concurrent enrollment in PBS, HBS, & MI

Recommended Maximum Enrollment: 24

Course Description: Biomedical Innovation is the capstone (fourth course) for the Project Lead the Way Biomedical Science program for high school students. In this capstone course, students apply their knowledge and skills to answer questions or solve problems related to the biomedical sciences. Students design innovative solutions for the health challenges of the 21st century as they work through progressively challenging open-ended problems, addressing topics such as clinical medicine, physiology, biomedical engineering, and public health. They have the opportunity to work on an independent project and may work with a mentor or advisor from a university, hospital, physician's office, or industry. Throughout the course, students are expected to present their work to an adult audience that may include representatives from the local business and healthcare community.

PLTW Human Body Systems

558100HW

Unit: 1

Grades: 9-12

Prerequisite: Principles of Biomedical Science or Teacher Recommendation

Recommended Maximum Enrollment: 24

Course Description: Students examine the interactions of body systems as they explore identity, communication, power, movement, protection, and homeostasis. Students design experiments, investigate the structures and functions of the human body, and use data acquisition software to monitor body functions such as muscle movement, reflex and voluntary action, and respiration. Exploring science in action, students build organs and tissues on a skeletal manikin, work through interesting real world cases and often play the role of biomedical professionals to solve medical mysteries.

PLTW Medical Interventions

558200HW

Unit: 1

Grades: 11-12

Prerequisites: Principles of Biomedical Science and Human Body Systems

Recommended Maximum Enrollment: 24

Course Description: Medical Interventions is a foundation course for the Project Lead the Way (PLTW). In the Medical Interventions course, students will investigate the variety of interventions involved in the prevention, diagnosis and treatment of disease as they follow the lives of a fictitious family. A "How-To" manual for maintaining overall health and homeostasis in the body, the course will explore how to prevent and fight infection, how to screen and evaluate the code in our DNA, how to prevent, diagnose and treat cancer, and how to prevail when the organs of the body begin to fail.

PLTW Principles of Biomedical Sciences

558000HW

Unit: 1

Grades: 9 -11

Recommended Maximum Enrollment: 24

Prerequisite: None

Course Description: Principles of Biomedical Sciences is a foundation course for the Project Lead the Way Biomedical Sciences program for high school students. This course provides an introduction to the biomedical sciences through exciting hands-on projects and problems. Students investigate the human body systems and various health conditions including heart disease, diabetes, sickle-cell disease, hypercholesterolemia, and infectious diseases. They determine the factors that led to the death of a fictional person, and investigate lifestyle choices and medical treatments that might have prolonged the person's life.

PLTW Health Science, Internship/Work-Based Credit **559000CW** **Unit: 1**

Grades: 12

Prerequisite: Completion of two (2) CTE courses/units within a program

Recommended Maximum Enrollment: NA

Course Description: Health Science Internship is a structured work-based credit bearing course that is taken as a fourth unit in a three- or four-unit CTE completer program. Each work-based learning (credit bearing) course has an assigned CTE course code. The guidelines listed in the CTE Work-Based Learning Implementation Guide must be followed in order to award one Carnegie unit of credit upon successful completion of the course. This course will not count as the third unit in the three unit completer pathway.

Sports Medicine - Pathway

Medical Terminology **554000CW** **Unit: 1**

Grades: 9-12

Recommended Maximum Enrollment: 24

Prerequisite: None

Course Description: Medical terminology is designed to develop a working knowledge of the language of health professions. Students acquire word-building skills by learning prefixes, suffixes, roots, combining forms, and abbreviations. Utilizing a body systems approach, students will define, interpret, and pronounce medical terms relating to structure and function, pathology, diagnosis, clinical procedures, and pharmacology. Students will use problem-solving techniques to assist in developing an understanding of course concepts. In addition to traditional classroom instruction, Medical Terminology may be offered as a dual enrollment, virtual, online, or independent study course.

Sports Medicine 1 **555500CW** **Unit: 1**

Grades: 9 -12

Prerequisite or Co-requisite: Biology or Health Science I

Recommended Maximum Enrollment: 30

Course Description: Sports Medicine 1 emphasizes sports medicine career exploration and the prevention of athletic injuries, including the components of exercise science, kinesiology, anatomy, principles of safety, first aid, cardiopulmonary resuscitation (CPR), and vital signs. Subject matter also includes legal issues, members of the sports medicine team, nutrition, protective sports equipment, environmental safety issues, taping and wrapping, mechanisms of injury, and application of other sports medicine concept. Students interested in healthcare careers in athletic training, physical therapy, medicine, exercise physiology, nursing, biomechanics, nutrition, psychology, and radiology will benefit from this course.

Sports Medicine 2 **555600CW** **Units: 2**

Grades: 10 - 12

Prerequisite: Required successful completion of Sports Medicine 1, plus CPR and FA certification. Also recommended but not required, Health Science 3 or its substitute.(Medical Terminology, PLTW Human Body Systems, Science department Anatomy and Physiology, AP Biology)

Recommended Maximum Enrollment: 24

Course Description: Sports Medicine 2 emphasizes the assessment and rehabilitation of athletic injuries. Subject matter will include discussion of specific conditions and injuries that may be experienced by individuals participating in athletic activities. In addition, the use of appropriate therapeutic modalities and exercise in the care and rehabilitation and treatment of injuries will be examined. A review of the body systems will be included with this course. Advanced concepts related to the administrative aspects of the sports medicine program will also be covered in this course. Other career roles in Sports Medicine will be discussed as the athletic trainer takes the injured athlete through the pathway of recovery. Also recommended but not required: Health Science 3 or its substitute (Medical Terminology, Project Lead the Way (PLTW) Human Body Systems, Science department Anatomy and Physiology, Advanced Placement (AP) Biology).

Sport Medicine 3**555700CW****Unit: 1**

Course Description: Further Certification is actively being sought for SM area. No CIP code has been assigned. Students will have an opportunity to choose their senior level course in work-based learning or through the medical billing or coding certification. Sports Medicine 3 emphasizes the student's ability to apply concepts from previous Sports Medicine course work to real-world situations and scenarios. A priority will be placed on understanding the current research and evidence based practices affecting the practice of Sports Medicine professionals. Students will develop policies, procedures, and guidelines based on these aspects, as well as explore detailed treatment and rehabilitation procedures for common athletic injuries. Students are expected to participate in clinical situations either at school with their athletic department or in an outside clinical setting for real world experience.

Sports Medicine, Internship/Work-Based Learning Credit**559100CW****Unit: 1****Grades:** 11 – 12

Prerequisite: Successful completion of two Sports Medicine courses **plus CPR and FA** certification.

Recommended Maximum Enrollment: None

Sports Medicine work-based course is a structured, stand-alone course that is taken in a CTE Classification of Instructional Programs (CIP)-coded program. Each work-based learning (credit bearing) course has an assigned CTE course code. The guidelines listed in the CTE Work-Based Learning Implementation Guide must be followed in order to award the Carnegie unit of credit upon successful completion of the course. This course will not count as the third unit in the three unit completer pathway

Hospitality and Tourism

Hospitality and Tourism is designed to prepare students for entry-level employment in the travel and tourism industry. Industry segments will focus on such areas as planning, marketing, management, finance, operations, technical and production skills, technology, human relations, labor issues, community issues, environmental issues, and safety.

Culinary Arts and Baking and Pastry Pathways

Introduction to Culinary Arts (ARHS, FDHS, SHS)

572200CW

Unit: 1

Grades: 9 - 10

Prerequisite: None

Recommended Maximum Enrollment: 24

Course Description: Introduction to Culinary Arts Management provides students with an overview of interest, aptitude, and technical skills to provide foundational skills and knowledge for Culinary Arts 1 and/or the food service industry. Integration of the Family and Consumer Sciences student organization, Family Career and Community Leaders of America (FCCLA) provides leadership and entrepreneurship experiences. Participation in the career & technology organization SkillsUSA provides the students with the opportunity to compete and display professional baking techniques.

Culinary Arts 1 (DCCTC – Dorchester)

CP 572000CD

Units: 2

Grades: 10-12

Course Description: The DCCTC Culinary Arts Program is a fast forward program, allowing students to EARN COMPLETE CERTIFICATION IN 1 YEAR (STUDENTS CAN EARN 4 HIGH SCHOOL CREDITS IN 1 YEAR BY COMPLETING LEVELS 1 & 2).

This course is a Gold Level ProStart Program that gets students ready to enter the constantly growing Hospitality Industry. Students will learn how to make everything from scratch, including biscuits, muffins, yeast breads, pizzas, pastas, cookies, soups, stocks and sauces. Also, students will learn many different cooking techniques to get you started on a Culinary Career in a fully equipped industrial kitchen. Students will work hands on to learn safety, sanitation and real world applications that will benefit in their job search. This class is always up, moving and eating and is like no other high school class you have ever experienced. *The program requires a \$20.00 lab fee.* A basic food and nutrition course is helpful but NOT required.

Culinary Arts Management 1 CP (ARHS, FDHS, SHS)

572000CW

Unit: 1

Grades: 10 – 11 (16 years or older by September 1 – due to the use of industrial equipment)

Prerequisite: None

Recommended Maximum Enrollment: 24

Course Description: Culinary Arts Management 1 prepares students for gainful employment and/or entry into postsecondary education in the food production and service industry. Content provides students the opportunity to acquire marketable skills by examining both the industry and its career opportunities. Laboratory experiences simulate commercial food production and service operations. Integration of the Family and Consumer Sciences student organization, Family Career and Community Leaders of America (FCCLA) provides leadership and entrepreneurship experiences. Participation in the career & technology organization SkillsUSA provides the students an opportunity to compete and display professional baking techniques.

Culinary Arts Management 2 (ARHS, FDHS, SHS)**CP 572100CW****Unit: 1****Grades:** 11-12 (16 years or older by September 1 – due to the use of industrial equipment)**Prerequisites:** Culinary Arts 1 CP**Recommended Maximum Enrollment:** 24

Course Description: Culinary Arts Management 2 is an advanced level course that prepares the serious culinary student for gainful employment and/or entry into postsecondary education. Content provides students the opportunity to acquire marketable skills by examining both the industry and its career options. Students have opportunities to develop skills in workplace settings. Integration of the Family and Consumer Sciences student organization, Family Career and Community Leaders of America (FCCLA) provides leadership and entrepreneurship experiences. Participation in the career & technology organization SkillsUSA provides the students an opportunity to compete and display professional baking techniques.

Culinary Arts 2 (DCCTC - Dorchester)**CP 572100CD****Units: 2****Grades:** 10-12**Prerequisite:** Culinary Arts 1 with a grade of 71 or higher

Course Description: The DCCTC Culinary Arts Program is a fast forward program, allowing students to EARN COMPLETER CERTIFICATION IN 1 YEAR (STUDENTS CAN EARN 4 HIGH SCHOOL CREDITS IN 1 YEAR BY COMPLETING LEVELS 1 & 2). This course is a Gold Level ProStart Program that continues from what students learned in Culinary Arts 1. After completion of Culinary Arts 2, students will be given the opportunity to achieve up to 12 college credit hours at The Culinary Institute of Charleston at Trident Technical College. In this course, students will continue their cooking adventure by learning to grill, sauté, deep fry, pan fry, braise, broil, poach, steam, boil and flambé, applying these techniques on steaks, chicken, fish, pork, shrimp and other shell fish. Students will learn to make the proper accompaniments to complete the meal with risottos, pastas, vegetables and sauces. Proper table service techniques are mastered by serving meals in the class and at school events. Students can gain experience in safety and sanitation and achieve the National ServSafe Employee Level Certification as well as the opportunity to be a National ProStart Completer both of which will be assets in the culinary field. This career field's current salary range in South Carolina is \$8.83 to \$16.79 per hour (www.onetonline.org). The instructor also chooses one student to represent DCCTC at the SkillsUSA culinary arts state level competition. *There is a \$20.00 lab fee and students need to keep their jacket and hat from Culinary Arts 1.*

Baking and Pastry (DCCTC – Dorchester)**Units 2****Grades:** 10-12**Prerequisite:** Culinary Arts 1 with a grade of 71 or higher

Course Description: The DCCTC Baking and Pastry Program is a fast forward program, allowing students to EARN COMPLETER CERTIFICATION IN 1 YEAR (STUDENTS CAN EARN 4 HIGH SCHOOL CREDITS IN 1 YEAR BY COMPLETING CULINARY ARTS 1 & BAKING & PASTRY). This course uses the basic techniques of measuring & baking that the student learned in Culinary 1 to advance their knowledge of the different types of doughs, pies, pastries, cakes, custards and sauces to mention a few. Students will learn to plate and garnish their delectable desserts and baked goods. Students will use formulas to create their baked goods and understand the actions that happen to make the recipe a success. The student will taste most of the ingredients in their natural state and then taste the ingredient in the finished product to better understand how to create their own recipes when they enter the industry. Students will make, display and serve desserts for certain events hosted at our school to give them a real world experience. The instructor also chooses one student to represent DCCTC at the SkillsUSA baking and pastry state level competition. This career field's current salary range in South Carolina is \$8.88 to \$17.10 (www.onetonline.org). There is a \$20.00 lab fee.

Baking and Pastry (ARHS, FDHS, SHS)**5723000CW Units: 2****Grades:** 10 – 12 (16 years or older by September 1 – due to the use of industrial equipment)**Prerequisite:** Culinary Arts 1 CP**Recommended Maximum Enrollment:** 24

Course Description: Baking and Pastry for secondary students is a course that provides students an opportunity to develop foundational skills needed for a seamless transition to a postsecondary program, workforce, or military. Students will develop advanced skills in safety and sanitation in addition to management and professionalism. Specialized content includes units on formulas and techniques, basic baking principles, specialized dietary baking, breads, desserts and pastries, and advanced techniques for specialty cakes, confections, piping, plate presentation, and flavor pairing. Concepts are aligned with competencies from the American Culinary Federation (ACF) Education foundation assessment, ACF Retail Commercial Baking Certification. Integration of the strategies from the Family and Consumer Sciences student organization, Family, Career and Community Leaders of America (FCCLA), provides leadership and entrepreneurship development in addition to an opportunity to compete and demonstrate technical skill attainment. Participation in the career and technology student organization, SkillsUSA, provides the students with the opportunity to compete and display professional baking techniques.

Hospitality and Tourism, Internship/Work-Based Learning (ARHS, FDHS, SHS)**519000CD Unit: 1****Grades:** 11 -12**Prerequisite:** Completion of two (2) CTE courses/credits within a program

Course Description: Hospitality and Tourism work-based course is a structured, stand-alone course that is taken in a CTE classification of Instructional Programs (CIP)-coded program. Each work-based learning (credit bearing) course has an assigned CTE course guide must be followed in order to award the Carnegie unit of credit upon successful completion of the course.

Hospitality and Tourism, Work-Based Learning Credit (DCCTC)**519000CD Unit: 1****Grades** 11- 12**Prerequisite:** Completer of career and technology program at DCCTC in Culinary Arts and instructor recommendation

Course Description: The hospitality and tourism work-based learning course allows students to be placed in a position in the food service industry and receive high school credit and on the job experience. They can use this experience on their resume and have the opportunity to be hired permanently at their placement. This also gives students the opportunity for early enrollment at the Trident Technical College Culinary Institute, which allows them to begin college classes while they are still in high school. Students may also continue working in our culinary arts lab in a Sous Chef (2nd in command) position while performing demonstrations and learning leadership skills. Students should express their interest in enrolling to their instructor and counselor. *A \$20 lab fee is required for this course.*

Human Services Courses

Cosmetology 1 (DCCTC – Dorchester & DCCTC – Trolley Rd)	CP 615000CD	Units: 2
Cosmetology 2 (DCCTC – Dorchester & DCCTC – Trolley Rd)	CP 615100CD	Units: 2
Grade: 10-11		

Cosmetology courses are taken sequentially

Prerequisite for Cosmetology 2: Students must have a minimum grade average of 75 or higher in Cosmetology 1 and a minimum of 250 clock hours. Daily attendance is necessary for reaching the required Cosmetology State Board hours.

Students are only allowed 5 absences per semester.

Course Description: Cosmetology is the scientific study of the hair, nails, and skin. The course is designed to teach the student the basics of how to care for, cut, style, and chemically change the hair. The course also teaches the student the basic care of the skin and nails, which includes application of makeup and nail artistry. The first and second nine weeks are spent in the classroom training, with work being done on mannequins. Students are required to purchase a cosmetology kit through the school for each year of the program, which is approximately \$195 (\$20 lab fee included/fee is subject to change each year). **State ID and Social Security card as well as required fees are due within the first 10 days of enrollment.**

Cosmetology 3 (DCCTC – Dorchester & DCCTC – Trolley Rd)	CP 615200CD	Units: 2
Cosmetology 4 (DCCTC – Dorchester & DCCTC – Trolley Rd)	CP 615300CD	Units: 2
Grades: 11-12		

Cosmetology courses are taken sequentially

Prerequisite for Cosmetology 3: Cosmetology 2 with a grade of 75 or higher and a minimum of 500 clock hours

Prerequisite for Cosmetology 4: Cosmetology 3 with a minimum grade average of 75 or higher and a minimum of 740 clock hours

Daily attendance is necessary for reaching the required Cosmetology State Board hours. Students are only allowed 5 absences per semester.

Completer requirements: 1,000 Cosmetology hours and 540 Academic hours equaling 1,540 hours required and a minimum of 8 units to be a completer.

Course Description: This course is a basic overview of Cosmetology 1 with emphasis on clinical work. Students will do clinical work on mannequins and clients. The clinical work will incorporate hair coloring, hair styling, hair cutting, facials, hair removal, and permanent waving. Cosmetology 1, 2, 3 and 4 are designed to teach and prepare students for the Cosmetology State Board Exam at the end of the senior year. Successful completion of 1,000 training hours and both written and practical portions of the State Board of Cosmetology exam results in State Certification as a Licensed Cosmetologist. Students will be required to purchase a \$170 kit restocking fee (\$20 lab fee included) for this course and are responsible for the cost of the state board exam, which is \$175 (fees are subject to change). *Students are also required to have a state picture ID, social security card and required fees within the first 10 days of enrollment in this course.* This career field's current salary range in South Carolina is \$8.13 to \$23.20 per hour (www.onetonline.org).

Nail Technology 1 (Nail Designs and Technology) (DCCTC - Dorchester)	CP 615401CD	Unit: 2
Nail Technology 2 (Nail Designs and Technology) (DCCTC - Dorchester)	CP 615501CD	Unit: 2
Grades: 11-12		

Daily attendance is necessary for reaching the required Cosmetology State Board hours. Students are only allowed 5 absences per semester.

Course Description: This course is designed to prepare students to become licensed nail technologists. Students learn the art and science of nail technology that includes designing nails, adding extensions, acrylics, gels, wraps and dip powder application. This is a one year course, and upon successful completion of 300 training hours and passing the State Board of Nail Technology written and practical exams, students will receive their Nail Technologist license. Students are also encouraged to participate in field trips to enhance real world experiences and earn additional hours. This career field's current salary range in South Carolina is \$9.13 to \$25.13 (www.onetonline.org). **Students must have a nail technology kit purchased through the school, which is approximately \$195 (includes \$20 lab fee) and is subject to change each year. Students are also responsible for the cost of the state board exam, which is \$175 (fee is subject to change). Students are also required to have a state picture ID and a social security card as well as the required fees within the first 10 days of enrollment in this course.**

Human Services /Work-Based Learning Credit (DCCTC – Dorchester & DCCTC – Trolley Rd)
579000CW Unit: 1

Grade: 12

Prerequisite: Senior and completer of a DCCTC career and technology program in cosmetology or nail technology and instructor recommendation

Course Description: Seniors who have completed a career and technology program at DCCTC and desire work experience in a field related to their completed program or desire to further enhance their skills may enroll in this course. Students should express their interest in enrolling to their instructor and counselor. Students desiring to work in a related field must provide their own transportation to work sites. *A \$20 lab fee is required for this course.*

Law, Public Safety & Security

Emergency & Fire Management Services 1 (FIREFIGHTING) (DDCTC – Dorchester)

CP 651200CD Units: 2

Grades: 10-12

Course Description: This course provides the basic skills necessary to get Firefighting personnel operational and performing the duties to save lives and property. Students will learn firefighter orientation and safety; fire behavior; portable extinguishers; protective equipment; search and rescue; ladders, fire hose, ropes and knots; building construction; and fire prevention and public education. This course satisfies the intent of the IFSTA (International Fire Service Training Association) standards for basic firefighting. Successful completion of written and performance testing is required. *A \$20 lab fee is required for this course.*

Emergency & Fire Management Services 2 (FIREFIGHTING) (DCCTC – Dorchester)

CP 651300CD Units: 2

Grades: 10-12

Prerequisite: Emergency & Fire Management Services 1 with a grade of 71 or higher

Course Description: This course provides students with the knowledge and skills to meet the National Firefighter Standards of NFPA 1001. Subjects include fire streams, interior fire control, forcible entry, ventilation, salvage, overhaul, water supply, wild land firefighting and communications. Successful completion of written and performance testing is required. This career field's current salary range in South Carolina is \$10.45 to \$25.28 per hour (www.onetonline.org). A \$20 lab fee is required for this course.

Law Enforcement I (DCCTC - Dorchester)

CP 651000CD Units: 2

Grades: 10-11

Course Description: Law Enforcement I is an introductory level course designed to teach entry level requirements of a police officer. Instruction will include hands-on police drills, demonstration and some lecture. Students will learn the duties and responsibilities of the police, court and corrections. Included in this course are the historical development of the system and the study of landmark Supreme Court decisions that impact criminal justice. Students will participate in demonstrations of search and arrest techniques, Finger printing and gain an understanding of forensic science and how it is used in the field, along with investigative procedures used to solve crimes. Students will be required to wear a uniform and participate in physical exercises. *A \$20 lab fee is required for this course.*

Law Enforcement 2 (DCCTC – Dorchester)

CP 651100CD Units: 2

Grades: 11-12

Prerequisite: Law Enforcement 1 with a grade of 71 or higher

Course Description: Law Enforcement 2 is a continuation of Law enforcement 1, focusing on more advanced police officer techniques. Instruction will include more hands-on drills, demonstrations and some lectures. Students will learn report writing, felony traffic stops, testifying in court and many more police scenarios. Students will have the opportunity to become CPR certified in this course. Guest speakers from the law enforcement field will speak to students about their professions. Students will be required to wear a uniform and participate in physical exercise. This career field's current salary range in South Carolina is \$15.04 to \$28.59 per hour (www.onetonline.org). A \$20 lab fee is required for this course.

Law, Public Safety, Corrections and Security Work Based Learning (DCCTC - Dorchester)

659000CW Unit: 1

Grades 11- 12

Prerequisite: Completer of career and technology program at DCCTC in Emergency and Fire Management Services or Law Enforcement and instructor recommendation

Course Description: Students who have completed a career and technology program at DCCTC and desire work experience in a field related to emergency and fire management services or law enforcement can choose to further enhance their skills by enrolling in our work based learning course. Students will learn daily duties and participate in in-house training and public service events. Students should express their interest in enrolling to their instructor and counselor. Students desiring to work in a related field must provide their own transportation to work sites. Students will have the opportunity to join the Dorchester Dust Devils, DCCTC's clay sports team. *A \$20 lab fee is required for this course.*

Marketing

The Marketing cluster includes courses and/or programs related to planning, managing, and performing wholesaling and retailing services and related marketing and distribution support services including merchandise/product management and promotion.

There are thousands of challenging educational and training opportunities within the high-skilled world of Marketing. Learners need a solid background in communication, math, and technical skills. Education and training can be obtained in high school, technical colleges, and four-year colleges and universities. Learners participate in relevant education opportunities framed in the context of the cluster. They gain knowledge and skills through coordinated workplace learning experiences such as site visits, job shadowing, and internships. According to the latest statistics, there are 16 million jobs in sales and related occupations. Advertising, marketing, promotions, public relations and sales managers hold more than 700,000 jobs. Employment opportunities for retail salespeople are expected to be good. Individuals with a college degree and/or computer skills will be sought for managerial positions in sales, logistics, management information systems, marketing, and e-marketing. A background in marketing will provide transferable skills and knowledge for other fields of study as well.

Marketing

542100CW Unit: 1

Grades: 9-12

Prerequisite: None

Recommended Maximum Enrollment:

Course Description: Marketing introduces students to the world of marketing. Students will learn about marketing fundamentals, economics, and the Marketing functions of price planning and strategies, promotion, selling, and product distribution. Creativity, problem-solving, research, teamwork, communication, and critical thinking skills are stressed. A coherent, comprehensive marketing plan will be the cumulative project which will demonstrate skills marketing students learned in the course. This is the fundamental course in all the Marketing programs and should be taken before specialized marketing courses.

Digital Marketing

542200CW Unit: 1

Grades: 11-12

Prerequisite: Marketing

Recommended Maximum Enrollment: 24

Course Description: Digital Media Marketing is an overview of techniques in digital marketing media, including non-linear editing introducing students to the primary feature set and basic interface of industry standard editing software. Students will plan and execute a storyboard for producing their final product, to include podcasts, DVDs, video blogs, and webcasts. Students learn to demonstrate basic digital video camera technique, digital sound, and lighting. In addition, students will perform basic editing functions while familiarizing themselves with the software's user interface. Topics include basic setup, adjusting and customizing preferences and settings, capturing video and audio, various editing and trimming techniques, audio editing and audio creation, finishing and final output

Science, Technology, Engineering, and Mathematics

Project Lead the Way is a series of courses which introduces students to the scope, rigor and discipline of engineering and engineering technology prior to entering college. By engaging in hands-on, real-world projects, students understand how the skills they are learning in the classroom can be applied in everyday life. Introduction at the level while still in high school allows students to determine if engineering is the career they desire.

The Science, Technology, Engineering, and Mathematics Cluster incorporate career opportunities in all aspects of engineering and engineering technologies. Students are engaged in courses such as Introduction to Engineering Design, Principles of Engineering, Digital Electronics, Computer Integrated Manufacturing, Engineering Design and Development, Aerospace Engineering, Biotechnical Engineering, Civil Engineering and Architecture, Gateway to Technology, and Industrial Technology Education that will expose them to scientific research and development and professional and technical services in engineering, including laboratory and testing services.

Project Lead the Way (PLTW) Engineering Pathway

PLTW Introduction to Engineering Design, Level 1 (IED) **609510HW** **Unit: 1**

Grades: 9 -12

Prerequisites: None

Recommended Maximum Enrollment: 24

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

PLTW Principles of Engineering, Level 2 (POE) **605000HW** **Unit: 1**

Grades: 10 -12

Prerequisites: Introduction to Engineering Design (IED)

Recommended Maximum Enrollment: 24

Course Description: Through problems that engage and challenge students, they explore a broad range of engineering topics including mechanisms, the strength of structures and materials, and automation. Students develop skills in problem solving, research, and design while learning strategies for design process documentation, collaboration, and presentation.

PLTW Aerospace Engineering (AE) **605600HW** **Unit: 1**

Grades: 10 -12

Prerequisites: Introduction to Engineering Design (IED), Principles of Engineering (POE) **or** Teacher Recommendation

Recommended Maximum Enrollment: 24

Course Description: This PLTW course propels students' learning in the fundamentals of atmospheric and space flight. As they explore the physics of flight, students bring the concepts to life by designing an airfoil, propulsion system, and rockets. They learn basic orbital mechanics using industry-standard software and explore robot systems through projects such as remotely operated vehicles.

PLTW Environmental Sustainability (ES) **605703HW** **Unit: 1**

Grades: 10 -12

Prerequisites: Introduction to Engineering Design (IED), Principles of Engineering (POE) **or** Teacher Recommendation

Recommended Maximum Enrollment: 24

Course Description: This PLTW course develops students' thinking skills and prepares them for emerging careers through topics such as genetic engineering, biofuels, and bio manufacturing.

PLTW Civil Engineering and Architecture, Level 4 (CEA)**605800HW****Unit: 1****Grades:** 10 -12**Prerequisites:** Introduction to Engineering Design (IED), Principles of Engineering (POE) **or** Teacher Recommendation**Recommended Maximum Enrollment:** 24

Course Description: Students learn important aspects of building and site design and development, applying math, science, and standard engineering practices to design both residential and commercial projects. They document designs using 3D architecture design software. Some students have seen these designs come to life through partnerships with local housing organizations.

PLTW Digital Electronics, Level 3 (DE)**605200HW****Unit: 1****Grades:** 10 -12**Prerequisites:** Introduction to Engineering Design, Principles of Engineering or Teacher Recommendation**Recommended Maximum Enrollment:** 24

Course Description: From smart phones to appliances, digital circuits are all around us. This course provides a foundation for students who are interested in electrical engineering, electronics, or circuit design. Students study topics such as combinational and sequential logic and are exposed to circuit design tools used in industry including logic gates, integrated circuits, and programmable logic devices.

PLTW Engineering Design and Development (EDD) - Capstone Course 605400HW**Unit: 1****Grades:** 11-12**Prerequisites:** Introduction to Engineering Design, Principles of Engineering or Teacher Recommendation**Recommended Maximum Enrollment:** 24

Course Description: The knowledge and skills student acquire on the “Pathway to Engineering” come together in EDD as they identify an issue and then research, design, and test a solution, ultimately presenting their solution to a panel of engineers. Students apply the professional skills they have developed to document a design process to standards. Completing EDD prepares students to be ready to take on any post-secondary program or career.

PLTW Pre-Engineering, Internship/Work-Based Learning Credit 609000CW**Unit: 1****Grades:** 11-12**Prerequisite:** Completion of two (2) CTE courses/units within a program Science, Technology, Engineering, and**Recommended Maximum Enrollment:** NA

Course Description: Mathematics work-based course. Each work-based learning (credit bearing) course has an assigned CTE course code. The guidelines listed in the CTE Work-Based Learning Implementation Guide must be followed in order to award the Carnegie unit of credit upon successful completion of the course.

Manufacturing

Many Manufacturing jobs are so specialized, they require high levels of skills and training. Manufacturing is a highly competitive industry that continues to grow in South Carolina.

The standards listed are intended to serve as guides to assist teachers and administrators in providing an instructional program that is current and relevant. The Manufacturing skill standards address what a worker needs to know and be able to do to contribute to a safe, productive, and effective work environment. Students will be properly prepared for their careers when the standards are integrated with quality instructional techniques. The standards provide a secure foundation for future training in the student's career.

Basic Technical Knowledge, Skills Safety and Soft Skills

Machine Technology 1 (DCCTC – Trolley Rd)

CP 623000CD

Units: 2

Grades 10-12

Course Description: This course provides classroom instruction and lab experiences related to metalworking. It focuses on the operation of equipment such as the lathe, milling machine, grinders, drilling machines, precision measuring instruments and hand tools. Blueprint reading and math are important parts of the course. Students who register for this course should enjoy working with machines and making metal projects. A \$20 lab fee is required for this course.

Machine Technology 2 (DCCTC – Trolley Rd)

CP 623100CD

Units: 2

Grades:10-12

Prerequisite: Machine Technology 1 with a grade of 71 or above

Course Description: This course includes advanced instruction machining metal. The course focuses on milling machines, boring and drilling, the use of vertical and horizontal boring and drilling machines, basic study of CNC equipment and CNC code, job seeking, public relations and manufacturing facilities. Students may be eligible to participate in cooperative work experiences or apprenticeships, which combine career and technology training with supervised work experience in business and industry. This career field's current salary range in South Carolina is \$11.22 to \$28.66 per hour (www.onetonline.org). A \$20 lab fee is required for this course.

Mechatronics Integrated Technologies Pathway

Mechatronics Integrated Technologies Pathway

Mechatronics 1-Electrical Components/Industrial Safety (1st Semester – double blocked)

621000CD

Unit: 1

Grade: 9

Mechatronics 2-Mechanical Components Electric Drives/Hand and Power Tool Operations

(2nd Semester – double blocked) – 621100CD

Mechatronics 3-Electro Pneumatics and Hydraulics (1st. Semester – double blocked) – 621200CD

Mechatronics 4-Digital Fundamentals and Programmable Controllers (2nd Semester – double blocked)

621300CD

Unit: 1 (each)

Grades: 10-12

Prerequisite: Contren® Core Modules, Introduction to Manufacturing, Courses are offered in sequential order

Recommended Maximum Enrollment: 24

Course Description: Mechatronics is a new interdisciplinary field involving electrical, mechanical, instrumentation, electronics, robotics/automation, computer components, and control systems. The program prepares students who enjoy working with their hands as well as understanding simple to complex systems. Mechatronics is a dynamic field that changes daily with the rapid improvements in technology and computer systems. Systems are networked to meet the demands of automated manufacturing processes, and technicians are trained to meet necessary entry-level industrial skills and entry into a postsecondary program at a technical college. Dual credit may be available through some SC technical colleges.

Provided a student takes Introduction to Construction and scores 70% on all assessments (00101-8-15), he or she does not have to repeat these modules in HVAC, Building Construction, Cabinetmaking, Carpentry, Electricity, Masonry, Mechatronics, Plumbing, and Welding

Manufacturing Work Base Learning (WBL) (DCCTC Dorchester & DCCTC Trolley Road)**649000CW Units: 1****Grade:** 12**Prerequisites:** Senior and completer of a Welding career and technology program at DCCTC and instructor recommendation

Seniors who have completed a career and technology program at DCCTC and desire work experience in a field related to their completed program or desire to further enhance their skills may enroll in a work based learning (WBL) course. Students should express their interest in enrolling to their instructor and counselor. Students desiring to work in a related field must provide their own transportation to work sites.

Welding Technology 1 (DCCTC – Dorchester Fall semester only & DCCTC - Trolley Rd)**CP 634000CD Units: 2****Grades:** 10-12**Prerequisite:** Foundations and Structure of Algebra

Course Description: Welders join metals using intense heat produced by electric arcs and special gases. Parts are fabricated and welded to produce structures such as buildings, ships, and bridges. This course will help students learn basic skills in the art of shielded metal arc as well as oxyacetylene cutting. Measurement and layout procedures are introduced along with proper tool usage and equipment safety. Students taking this course should enjoy physical activity, being creative, and doing detailed work. *A \$20 lab fee is required for this course.*

Welding Technology 2 (DCCTC – Dorchester Spring semester only & DCCTC – Trolley Rd)**CP 634100CD Units: 2****Grades:** 10-12**Prerequisite:** Welding Technology 1 with a grade of 71 or higher

Course Description: Students completing this second semester welding program will have sufficient skills to gain entry-level employment in the job market. These skills include advanced techniques in shielded metal arc, v-groove, gas metal arc, and flux core arc welding, oxyacetylene cutting, plasma arc cutting, basic blueprint reading, identification of metal types, and layout and fabrication procedures. This career field's current salary range in South Carolina is \$13.86 to 29.47 per hour (www.onetonline.org). A \$20 lab fee is required for this course.

Welding Technology 3 (DCCTC – Dorchester & DCCTC – Trolley Rd)**CP 634200CD****Units: 2****Grade:** 12**Prerequisite:** Welding Technology 2 (*grade of 85 or higher and instructor recommendation*)

Course Description: Welding 3 requires that the student must have passed Level 2 with an average of 85 and have the instructor's recommendation. Students will further welding skills in v-groove welds in all positions and fabrication of small projects. Projects will be awarded per instructor's discretion and student's skills level. Student's instruction will be geared toward on the job placement in welding. The student may be eligible for DCCTC's LIFE program (Learners in Field Experiences). *A \$20 lab fee is required for this course.*

Welding Technology 4 (DCCTC – Dorchester & DCCTC – Trolley Rd)**CP 634300CD****Units: 2****Grade:** 12**Prerequisite:** Welding Technology 3 (*grade of 85 or higher and instructor recommendation*)

Course Description: The Welding 4 students will focus on fabrication and job placement. The student will sharpen their welding skills, employability skills, communication and soft skills as well as visit job sites, send applications, and prepare for interviews in preparation for a job through the LIFE program. Students must have ID and dependable transportation as well as their own welding personal protective equipment (PPE). The student may be eligible for the LIFE program. *A \$20 lab fee is required for this course.*

Manufacturing Internship (DCCTC)**49000CW****Unit: 1****Grade:** 12**Prerequisites:** Senior and completer of a Welding career and technology program at DCCTC and instructor recommendation

Course Description: Seniors who have completed a career and technology program at DCCTC and desire work experience in a field related to their completed program or desire to further enhance their skills may enroll in a work based learning (WBL) course. Students should express their interest in enrolling to their instructor and counselor. Students desiring to work in a related field must provide their own transportation to work sites.

Manufacturing Internship (ARHS, FDHS, SHS)**49000CW****Unit: 1****Grade: 12****Prerequisites:** Senior and completer of a Welding career and technology program at DCCTC and instructor recommendation**Course Description:** Manufacturing Internship is a structured work-based credit bearing course that is taken as a fourth unit in a three- or four-unit CTE completer program. Each work-based learning (credit bearing) course has an assigned CTE course code. The guidelines listed in the CTE WorkBased Learning Implementation Guide must be followed in order to award one Carnegie unit of credit upon successful completion of the course

Transportation & Logistics

Automotive Collision Repair 1 (DCCTC - Dorchester)**CP 602000CD Units: 2****Grades:** 10-12**Course Description:** This course is designed to instruct students in the repair and refinishing with some restoration of today's vehicles through the use of specialized tools and equipment. Areas of study will include automotive construction and restoration, body shop operations, safety, automotive tools and equipment, refinishing and customizing preparations, simplified metal straightening and repairs, abrasives, automotive paints, and paint applications equipment. Students will also be trained in the process of powder coating. Students interested in this field should enjoy the challenge of working with their hands to repair, remodel and customize automobiles and trucks. *A \$20 lab fee is required for this course.***Automotive Collision Repair 2 (DCCTC- Dorchester)****CP 602100CD Unit: 2****Grades:** 10-12**Prerequisite:** Automotive Collision Repair 1 with a grade of 71 or higher**Course Description:** Students in the second year will enhance their abilities to repair and customize from Auto Collision 1. They will "MIG" weld, use a plasma cutting torch, plastic welding and use of fiberglass, operate a unitized bench repair system, operate a downdraft paint booth, and refinish a vehicle using computerized paint mixing equipment. The student will use the latest in base/clear and urethane refinishing systems and will perform powder coating on various metals. The student will develop the attitudes, knowledge, and skills required in today's workplace. This career field's current salary range in South Carolina is \$10.42 to \$34.48 per hour (www.onetonline.org). *A \$20 lab fee is required for this course.***Automotive Collision Repair 3 (DCCTC - Dorchester)****CP 602200CD Units: 2****Grades:** 11-12**Prerequisite:** Automotive Collision Repair 2 with a grade of 80 or higher**Course Description:** In Automotive Collision Repair 3, students who have completed Auto Collision 2 are able to be placed on a job with a company in the auto collision industry under an apprentice status. Students receive credit for the class by working in an auto collision shop for a minimum of 3 hours per day. If a job is not available, students will work with the instructor as a class apprentice allowing students to help with setting up projects and assisting with Level 1 and 2 students. *A \$20 lab fee is required for this course.***Automotive Collision Repair 4 (DCCTC - Dorchester)****CP 602300CD Units: 2****Grades:** 11-12**Prerequisite:** Automotive Collision Repair 3**Course Description:** In Level 4, students who have completed Auto Collision 3 are able to be placed on a job with a company in the auto collision industry under an apprentice status. Students receive credit by working in an auto collision shop for a minimum of three hours per day and will utilize their skills to do body repairs and paint repairs. If a job is not available, students will work at DCCTC with the instructor as a class apprentice. These students will also assist the instructor in managing the students and be involved with more in depth projects. *A \$20 lab fee is required for this course.***Automotive Technology 1 (DCCTC - Dorchester)****CP 603000CD Units: 2****Grades:** 10-12**Course Description:** This course provides instruction in the components, systems, and repairs related to maintenance and light repairs on modern automobiles. The students learn to identify parts, explain system operations, and perform complete common service operations on braking systems, steering and suspension systems, and engine and transmission systems. Upon successful completion of all course objectives, the student should be qualified for an entry-level position in an automotive quick service business where minimal training and experience are required, or the continuation of training by enrollment in Automotive Technology 2. It is strongly recommended that the students have a valid driver's license for this class. *A \$20 lab fee is required for this course.*

Automotive Technology 2 (DCCTC – Dorchester)**CP 603100CD Units: 2****Grades:** 10-12**Prerequisite:** Automotive Technology 1 with a grade of 75 or higher and teacher recommendation

Course Description: This course refines skills in areas including: brakes and MLR (Maintenance and Light Repair). Working closely with the Automotive Service Excellence (A.S.E.) standards, second semester students receive intense training in these particular subjects. This also offers students a greater chance in passing the A.S.E. test (along with 1-year work experience) which most of the automotive industry now requires. The students will have access to tools, equipment, and information on today's vehicles. Without direct supervision, students will be able to perform course objectives using logic and problem solving skills with emphasis on safety and proper techniques. Upon successful completion of all course objectives, the student should be able to secure employment in an entry level position in an automotive garage, new car dealership, or continue further education in a post-secondary automotive program or factory school. This career field's current salary range in South Carolina is \$10.86 to \$29.65 per hour (www.onetonline.org). A \$20 lab fee is required for this course.

Automotive Technology 3 (DCCTC - Dorchester)**CP 603200CD Units: 2****Grades:** 10-12**Prerequisite:** Automotive Technology 2 with a grade of 75 or higher and teacher recommendation

Course Description: The Automotive Technology program provides technical skill proficiency and includes competency-based applied learning that contributes to the academic knowledge, higher-order reasoning and problem-solving skills, work attitudes, general employability skills, technical skills and occupation-specific skills, and knowledge of all aspects of this career cluster. The content includes but is not limited to broad, transferable skills and stresses understanding and demonstration of the following elements of the automotive industry: planning, management, finance, technical and product skills, underlying principles of technology, community issues and health, safety, and environmental issues. This program also includes a work based component depending on job availability. *A \$20 lab fee is required for this course.*

Automotive Technology 4 (DCCTC - Dorchester)**CP 603300CD****Units: 2****Grades:** 11-12**Prerequisite:** Automotive Technology 3 with a grade of 75 or higher and teacher recommendation

Course Description: This course will continue with the skills and competencies learned in Automotive Technology 3 with more emphasis placed on work based learning. *A \$20 lab fee is required for this course.*

Diesel Engine Technology 1 (DCCTC – Dorchester)**631000CD****Units: 2****Grades:** 10-11

Course Description: The Diesel Technology 1 program provides a broad foundation in the diesel repair field by preparing students for entry level positions in the field of heavy duty diesel vehicle repair. Students gain skills in engine repair, fuel supply and management, suspension and brakes, hydraulics systems operation, and lighting and instrumentation. Students learn the use of typical technician hand tools and gauges and how to accurately measure critical engine parts. Students will learn truck preventative maintenance tasks as well as exposure to all other technical areas of the vehicle. Shop safety is emphasized and stressed. Students entering this program should exhibit mechanical aptitude, the ability to read and follow instructions as outlined in service repair manuals, and enjoy precision work and problem solving. *A \$20 lab fee is required for this course.*

Diesel Engine Technology 2 (DCCTC - Dorchester)**CP 631100CD****Units: 2****Grades:** 11-12**Prerequisite:** Diesel Technology 1 or Automotive Technology 1 with a grade of 71 or higher

Course Description: In this course, students learn the function of engine components and principles of operation of a medium duty V8 diesel engine. They completely disassemble, measure and inspect critical engine wear parts, reassemble, start and monitor running engine performance parameters. Students will learn how to perform engine diagnostics. Students are challenged with more individual lab activities regarding vehicle preventative maintenance, transmission, and steering, suspension, and brake systems. Shop safety is emphasized and stressed. This course is designed for students who want to pursue a career in the diesel technology industries. This career field's current salary range in South Carolina is \$14.75 to \$30.88 per hour (www.onetonline.org). Students who are or will be 18 by spring semester of their senior year are eligible to take the Class A Commercial Driver's License (CDL) training at DCCTC leading to permit testing through the Department of Transportation. Upon obtaining the CDL permit, student may then enroll at Orangeburg-Calhoun Technical College to complete their CDL license. On average, having a Class A CDL license will increase the hourly rate an additional \$3.00 - \$4.00 per hour. *A \$20 lab fee is required for this course.*

Transportation, Distribution and Logistics Work Based Learning (DCCTC - Dorchester) 679000CW Unit: 1
Grade: 12

Prerequisites: Senior and completer of a DCCTC career and technology program in Auto Technology, Auto Collision, or Diesel Technology with a grade of 80 or higher and instructor recommendation

Course Description: Seniors who have completed a career and technology program at DCCTC and desire work experience in a field related to their completed program or desire to further enhance their skills may enroll in a work based learning (WBL) course. Students should express their interest in enrolling to their instructor and counselor. Students desiring to work in a related field must provide their own transportation to work sites. *A \$20 lab fee is required for this course.*

CTE Student Organizations

Career and Technology Education Student Organizations (CTSO) develop, in students, essential skills for success such as learning, thinking, communication, technology, and interpersonal skills. They help students gain a positive image through competitive skills events, leadership development, and service learning projects. Students with exposure to CTOS serve their communities and nation and gain a competitive edge in the workforce.



www.deca.org

Marketing

An Association of Marketing Students supports the Marketing Education curriculum. Students enjoy competitions grounded in marketing theory and application. The association sponsors 36 leadership and skill competitions ranging from DECA Quiz Bowl to Marketing Research Event with competitors from all over the state. The DECA association in South Carolina has over 1900 members, and state winners continuously taking honors in national competitions.



The National FFA Organization www.ffa.org

Agriculture, Food, and Natural Resources

"It's definitely not your father's FFA" is a recurring theme for the largest Career and Technology student organization in South Carolina. Over 4500 students take advantage of contests that test skills ranging from Equine Science to Floriculture. Students can seek leadership positions in the FFA well into their postsecondary years and often do so at Clemson University, home of SC FFA. Competitions are held yearly statewide with the culminating event the summer conference in June.



Future Business Leaders of America (FBLA) www.fbla.org

Business, Management, and Administration and Finance

FBLA Business competencies are demonstrated through skill and leadership events sponsored by SC FBLA. As the second largest Career and Technology Student Organization in South Carolina, FBLA is represented in comprehensive high schools and technology centers across South Carolina and serves over 4000 members. The state association sponsors district and state level events that for many years have produced top ten national winners. The South Carolina association has also produced national leaders in FBLA such as the national treasurer in 1996-1997 and the national president in 2000-2001.



Family, Career and Community Leaders of America, Inc. (FCCLA)

www.fccla.org

Human Services, Hospitality & Tourism, Education & Training, Arts, AV Technology, and Communications

Because South Carolinians view the family and nutrition as fundamentals to the survival of the state and nation, it is no small wonder that SC FCCLA has the support of secondary schools and culinary art institutions. The organization was introduced to the state in the early 1900's and continues to support curriculum in the Family and Consumer sciences. State advisors and officers coordinate the yearly culinary arts competitions and leadership events in SC FCCLA.



Health Occupations Students of America (HOSA) www.hosa.org

Health Science

The health care profession continues to provide professional development for those hands that care for the nation's populace. In South Carolina, HOSA is dedicated to providing learning experiences for those students who have interest in the health occupations. With membership at the secondary schools, career centers, and postsecondary institutions, SC HOSA includes five regions that serve a membership of over 1500 students, teachers, and administrators. Hospital administrators, faculty, and other business partners comprise the state executive council.



SkillsUSA www.skillsusa.org

Architecture and Construction, Arts, AV Technology, and Communications and Manufacturing

In South Carolina, Skills USA coordinates state competitions that support the curriculum of Engineering and Industrial Technology. Over 40 events allow students to demonstrate skills and competencies in such areas as welding auto mechanics, cosmetology, and computer-assisted drafting. The South Carolina association enjoys the support of business partners that host state and local competitions by supplying necessary materials and scholarships



National Technical Honor Society

Benefits:

NTHS helps schools to:

- **Offer** additional scholarship opportunities to CTE students.
- **Communicate** a strong, positive image in the local community.
- **Attract and recruit** qualified, diverse students into CTE programs.
- **Build** active partnerships with and promote students to local industry.
- **Recognize** outstanding leaders and educators through the NTHS Hall of Fame.
- **Encourage** parental, family, and industry involvement in the educational process.
- **Foster** self-esteem, pride, responsibility, and community involvement in students.
- **Enhance partnerships** with HOSA, SkillsUSA, BPA, DECA, FCCLA, and FBLA/PBL

***Please ask your school counselor and teachers about Internship and Work-Based Learning opportunities to include shadowing, structured fieldtrips, business and industry tours, internship, and registered youth apprenticeship.**

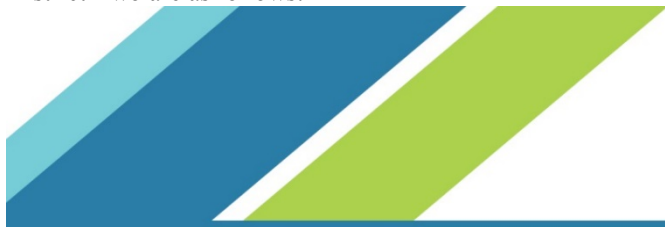
Dorchester School District Two

EDGE (Education and Development for Graduation and Employment) ACADEMIES

A career academy is a smaller learning community (SLC) that has a career theme, shows students links between their academic subjects and this theme, and involves employers and higher education institutions in preparing students for college and a career. Several organizations that work nationally to provide support to career academies have agreed on a set of ten standards by which to define and gauge the quality of these programs.

Our career academy operates in grades 9-12, and includes two or three academic subjects each year along with one career related one. The latter is usually a “Career and Technical Education” (CTE) course. It may be offered through high school, the regional career center, or a local community college. Career academies encourage students to go to both 2 and 4 year colleges.

The CTE course sequence from one grade level to the next builds a set of knowledge and skills that qualifies the student to move into a post-secondary program in that field. Dorchester School District Two has chosen to offer career academies seen below at Ashley Ridge High School (ARHS), Fort Dorchester High School (FDHS) and Summerville High School (SHS). The course sequences for the identified career academies for Dorchester School District Two are as follows:



School	Career Academy	Grade 9	Grade 10	Grade 11	Grade 12
ARHS, FDHS, SHS	Health Professions	Principles of Biomedical Science	Human Body Systems	Medical Interventions	Biomedical Innovations
ARHS, FDHS, SHS	Health Professions	Medical Terminology	Sports Medicine 1	Sports Medicine 2	Sports Medicine - WBL
ARHS, FDHS, SHS	Hospitality & Tourism	Entrepreneurship Fundamental of Computing Business Finance	Culinary Arts Management 1	Culinary Arts Management 1 Culinary Arts Management 2	Culinary Arts Management 2
ARHS, FDHS, SHS	Science, Technology, Engineering and Math (STEM)	Introduction to Engineering Design, Level 1	Principles of Engineering Design, Level 2	Civic Engineering, and Architecture, Level 3 Digital Engineering	Aerospace
SHS	Computer Science	Fundamentals of Computing			
ARHS, FDHS, SHS	Business Finance and Management	Business Finance	Accounting 1 Integrated Business Application Web Page Design and Development	Accounting 2 Web Page Design and Development or Advanced Web Page Design and Development	Banking Services Entrepreneurship Advanced Web Page Design and Development

Youth Apprenticeships

Rising juniors, seniors and graduating seniors may apply for a youth apprenticeship through Trident Technical College. Positions are available in a variety of career fields, and students who are hired by one of the participating employers receive paid on-the-job training under the mentorship of an industry professional. Youth apprentices take apprenticeship-related college classes at TTC, and all costs related to those courses are paid for by the Charleston Metro Chamber of Commerce.

To be eligible, a student must:

- Be a rising junior or senior (at least 16 years of age) or a graduating senior
- Achieve qualifying placement test scores
- Demonstrate academic readiness and responsibility
- Have reliable transportation to work and to school
- Be legally able to work in the U.S.

Apprentices who complete the two-year program will receive:

- A high school diploma
- A certificate (approximately 30 college credits) from TTC free of charge
- A national credential from the U.S. Department of Labor
- Two years of paid work experience
- Marketable skills *for life*

Youth apprenticeship opportunities are available in:

Industrial Mechanics

Machine Tool Technology

HVAC

Automotive

Culinary Arts

Hotel Operations

Junior Computer Networking

Junior Computer Programming

Emergency Medical Technician (EMT)

Electrical

CNA/Pre-Nursing

Medical Office Assistant

For more information contact the Office of High School Programs at Trident technical College (TTC):
Ellen Kaufman, ellen.kaufman@tridenttech.edu, 843-574-6990
Tanisha Hook, tanisha.hook@tridenttech.edu, 843-574-6061

Employability Skills

What are Employability Skills?

Employability skills are general skills that are necessary for success in the labor market at all employment levels and in all sectors. These skills have a number of names— soft skills, workforce readiness skills, career readiness skills—but they all speak to the same set of core skills that employers want.

Employability skills are a key component of college and career readiness. Our educators are already teaching many essential employability skills in their academic or technical skill classes. We work across the school curriculums, programs, or/and student clubs and student organizations to consider ways to further integrate employability skills into our curriculum and instruction. We are presently reevaluating our programs to:

Identify the skills that we are already teaching.

- ✓ How are employability skills integrated into academic and technical skill instruction?
- ✓ Use the Employability Skills Framework to plan /enhance lessons to address any skills that you are not currently teaching.
- ✓ Partner with Edge Academies (business partners and industry representatives) to design curricula and programs to teach the employability skills most important to our students grades K-12.
- ✓ Prepare students to demonstrate employability skills in job interviews and at work (Youth Apprenticeship).

Employability Skills are enhanced and supported through the following:

- ✓ **SCOIS** – grades 1st - 12th
- ✓ Career and Technology Education courses
- ✓ Student Organizations (9) - located on pages 23 - 24
- ✓ High School CTE Employability Curriculum
- ✓ Work-based Learning courses for each CTE program
- ✓ Employability Skills Framework curriculum. Additional information can be found at: <http://cte.ed.gov/employabilityskills/resources/frameworkresources>
- ✓ South Carolina State Department of Education - Additional Online Support – coming 2017-18

The Employability Skills Framework is comprised of nine key skills, organized in three broad categories. These skills fall into three broad categories.

- **Applied Knowledge**—the thoughtful integration of academic knowledge and technical skills, put to practical use in the workplace.
 - ✓ academic skills - reading, writing, mathematical strategies and procedures, and scientific principles and procedures- to practical use in the workplace
 - ✓ critical thinking skills - enable employees to analyze, reason, solve problems, plan, organize, and make sound decisions in their work
- **Effective Relationships**—the interpersonal skills and personal qualities that enable individuals to interact effectively with clients, coworkers, and supervisors.
 - ✓ Interpersonal skills include the ability to collaborate as a member of a team or work independently, as appropriate; communicate effectively; maintain a positive attitude; and contribute to the overarching goals of the workplace.
 - ✓ Personal qualities that contribute to effective relationships include responsibility, self-discipline, flexibility, integrity, and initiative. Other essential qualities are a sense of professionalism and self-worth; willingness to learn; and acceptance of responsibility for one's own professional growth.
- **Workplace Skills**—the analytical and organizational skills and understandings that employees to successfully perform work tasks.
 - ✓ These include: managing time and other resources; understanding, evaluating, and using a variety of information; communicating effectively with others in multiple formats (speaking, writing, listening); understanding relationships among the components of a system; and applying information technology appropriately and effectively