

Gates County High School

Course Selection Guide
2020-2021 SCHOOL YEAR



Jonathan Hayes, Principal
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Gates County High School

*Home of the **Red** Barons*

"Soaring on the Wings of Success"

Dear Parents and Students:

The scheduling and course selection process for the 2020-2021 school year is important for students, parents, and Gates County High School (GCHS). We will continue to conduct online registration and publication of the Curriculum Manual. The following arrangements are in place to help facilitate this process:

- The Curriculum Guide is located at: <http://gates.k12.nc.us/Domain/326> beginning April 13. Look in the right hand corner under the title "Site Shortcuts". Click on the link "2020-2021 Curriculum Guide". If you are unable to access the document and need a hard copy, please contact the front office and a copy will be provided for you.
- Students will complete registration online using the documents mailed to them.
- Once all students have completed registration and we have created a Master Schedule, parents and students will have online access to view your student's registration. Parents will need their Parent Portal login information in order to view their student's schedule. If you do not have your Parent Portal login, please contact Mrs. Gregory at GCHS.
- If you do not have online access and would like to view your student's registration, please contact the front office and we will arrange a time for you to come to the school to use a computer.
- Schedule change opportunities will be offered in the summer when schedules are mailed home.

Course selection has a short and long-term impact on your student's academic career. In the short-term, the selection of courses provides students with a schedule that helps them meet the state requirements for each grade level, which results in receiving a high school diploma. Long-term, a student's course selection provides the foundation for future post-secondary education, the military, or entrance into the work world. Please take time to review this information and your student's choices.

If you have any questions regarding the information in the Curriculum Guide or the online process, contact administration or our school counselors at 357-0720.

9th and 10th Grade: Mrs. Joan Bundy

11th and 12th Grade: Mrs. Samantha Matthews

Sincerely,

Jonathan Hayes, Principal

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MINIMUM ADMISSION REQUIREMENTS AT THE 16 CAMPUSES OF THE UNIVERSITY OF NORTH CAROLINA

Six course units in **language** including:

- four units in English emphasizing grammar, composition and literature,
- two units of a language other than English

Four course unit of **mathematics**, in any of the following combinations:

- Algebra I and II, geometry, and one unit beyond algebra II,
- Algebra I and II, and two units beyond algebra, or
- Integrated math I, II, and III, and one unit beyond integrated math III.

(The fourth unit of math affects applicants to all institutions except the North Carolina School of the Arts.) It is recommended that prospective students take a mathematics course unit in the twelfth grade.

Three course units of **science**, including:

- at least one unit in a life or **biological science** (for example, biology),
- at least one unit in **physical science** (for example, physical science, chemistry, physics), and
- at least one **laboratory science**

Two course units in **social studies**, including:

- one unit in U.S. History, but an applicant who does not have the unit in U.S. History may be admitted on the condition that at least three semester hours in that subject will be passed by the end of the sophomore year.

The minimum high school GPA for students is 2.5.

SAT minimum: 880 new or 800 On old version (verbal and math). ACT minimum: 17 composite.

THE UNIVERSITY SYSTEM OF NORTH CAROLINA

Appalachian State University
Elizabeth City State University
North Carolina A&T State University
North Carolina School of the Arts
Pembroke State University
Asheville
University of North Carolina at Chapel Hill
Charlotte
University of North Carolina at Greensboro
Wilmington
Western Carolina University

East Carolina University
Fayetteville State University
North Carolina Central University
North Carolina State University
University of North Carolina at

University of North Carolina at

University of North Carolina at

Winston-Salem State University

**North Carolina Graduation Requirements
for Students Entering 9th grade in 2012-13 and Later**

The North Carolina State Board of Education has approved a Future-Ready Core Course of Study that will prepare all students for careers and college learning in the 21st century. State Board of Education Chairman Howard Lee has commented, “The Future-Ready Core will help ensure that students graduate with the academic foundation they need for success in the global economy. The Core gives students the ability to tailor course concentrations to fit their interests and goals – including opportunities for college-level work – while building a strong academic foundation.”

CONTENT AREA	FUTURE-READY CORE
English	4 Credits English I, II, III, IV
Mathematics	4 Credits Math I, Math II, Math III, Advanced Math
Science	3 Credits Earth/Environmental Science, Biology, Physical Science <i>or</i> Chemistry
Social Studies	4* Credits World History, American History: The Founding Principles, Civics and Economics, American History I, American History II
World Languages	Not required for graduation, but 2 credits of same language required for admission to the UNC System
Health and Physical Education	1 Credit
Electives Career Technical Education Arts Education JROTC	6 Credits 2 elective credits of any combination from either: <ul style="list-style-type: none"> ○ Career and Technical Education (CTE) ○ Arts Education (dance, music, theater arts, & visual arts) ○ World Languages 4 elective credits strongly recommended (four course concentration) from one of the following: <ul style="list-style-type: none"> ○ CTE ○ JROTC (not offered at GCHS) ○ Arts Education ○ Any other academic subject area

Total	27 Credits
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*Students entering 9th grade in 2012-13 must complete 2 American History credits. GCHS students already complete 2 American History Credits

*******EXIT STANDARDS*******

Students entering the **ninth grade for the first time in 2009-10** and beyond will be required to meet exit standards. These students will be required to take three end-of-course (EOC) assessments: Algebra I, Biology, and English II.

Early Graduation

Students may graduate early provided that the student has met all graduation requirements and has completed at least 27 credits. Rising seniors will need to indicate to the senior counselor during registration that they would like to finish their coursework in January. Please be aware that there is only one graduation ceremony, which is held in June.

Waivers

PLEASE NOTE: If a student does not meet the prerequisites for a course, the parent/guardian will be required to sign a waiver in order for the student to take the course. This waiver will be contingent upon Principal approval. Students who do not meet appropriate prerequisites should meet with a counselor to review course options.

Suggested Revision for Academic Scholars Program

The following revised plan is effective for students who enter the ninth grade for the first time in or after 2012-2013.

Students must:

- Begin planning for the program before entering ninth grade to ensure they obtain the most flexibility in their courses.
- Complete all the requirements of this North Carolina Academic Scholars Program.
- Have an overall four-year un-weighted grade point average of 3.500
- Complete all requirements for a North Carolina high school diploma.

<u>2003-2004</u>		2009-2010		2012-2013 and beyond		Changes
		Future-Ready Core Course of Study		Future-Ready Core Course of Study		
Credits	The following designated number of credits per subject area listed below must be taken in grades 9-12.	Credits		Credits		
4	English I, II, III, IV	4	English I, II, III, IV	4	English I, II, III, IV	
4	Mathematics (Algebra I, Algebra II, Geometry, and a higher level math course with Algebra II as prerequisite OR Integrated Mathematics I, II, III, and a higher level mathematics course with Integrated Mathematics III as prerequisite)	4	Mathematics (should include Algebra I, Algebra II, Geometry, and a higher level math course with Algebra II as prerequisite OR Integrated Mathematics I, II, III, and a higher level mathematics course with Integrated Mathematics III as prerequisite)	4	Mathematics (should include Algebra I, Algebra II, Geometry, and a higher level math course with Algebra II as prerequisite OR Integrated Mathematics I, II, III, and a higher level mathematics course with Integrated Mathematics III as prerequisite)	
3	Science (a Physics or Chemistry course, Biology, and an Earth/Environmental Science course)	3	Science (Physics or Chemistry course, Biology, and an Earth/Environmental Science course)	3	Science (Physics or Chemistry course, Biology, and an Earth/Environmental Science course)	
3	Social Studies (World History, Civics/Economics, and U.S. History)	3	Social Studies (World History, Civics/Economics, and U.S. History)	4	Social Studies (World History, Civics/Economics, <u>American History I: The Founding Principles and American History II</u>)*	Addition of fourth unit of social studies
1	Healthful Living	1	Health and Physical Education	1	Health and Physical Education	
	Languages other than English (two credits	6	Two (2) elective credits in a second	6	Two (2) elective credits in a second	

Suggested Revision for Academic Scholars Program

2	of the same language)		language required for the UNC System		language required for the UNC System	
1	Career and Technical Education		Four (4) elective credits constituting a concentration recommended from one of the following: Career and Technical Education (CTE), JROTC, Arts Education, Second Languages, any other subject area		Four (4) elective credits constituting a concentration recommended from one of the following: Career and Technical Education (CTE), JROTC, Arts Education, Second Languages, any other subject area	
1	Arts Education (Dance, Music, Theatre Arts or Visual Arts)					
5	Elective credits to include at least two second-level or advanced courses (examples of electives include JROTC and other courses that are of interest to the student)	3	Higher level courses taken during junior and/or senior years which carry 5 or 6 quality points such as: -AP -IB -Dual or college equivalent course -Advanced CTE/CTE credentialing courses -On-line courses -Other honors or above designated courses	3	Higher level courses taken during junior and/or senior years which carry 5 or 6 quality points such as: -AP -IB -Dual or college equivalent course -Advanced CTE/CTE credentialing courses -On-line courses -Other honors or above designated courses	
		OR			OR	
		2	Higher level courses taken during junior and/or senior years which carry 5 or 6 quality points such as: -AP -IB -Dual or college equivalent course -Advanced CTE/CTE credentialing courses -On-line courses -Other honors or above designated courses And Completion of The North Carolina Graduation Project	2	Higher level courses taken during junior and/or senior years which carry 5 or 6 quality points such as: -AP -IB -Dual or college equivalent course -Advanced CTE/CTE credentialing courses -On-line courses -Other honors or above designated courses And Completion of The North Carolina Graduation Project	
<u>24</u>		<u>25 or 24+ NCGP</u>		<u>26 or 25+ NCGP</u>		Increases credit required by one.

FOREIGN LANGUAGES

Spanish I

Grade: 9-11

Credit: 1 unit

Prerequisite: 9th graders-minimum of 80 in English

Spanish I is an introduction to the language. Students will be expected to know and perform basic language functions. These include greetings, farewells, conversational questions, and expressing ideas such as how they feel and what they think. The main focus of Spanish I is vocabulary. Students will be able to identify everyday objects such as food, classroom items, hobbies, and adjectives to describe people. Students will be able to make connections between the similarities in English. Cultures of various Spanish-speaking countries will be highlighted. Students will learn appropriate pronunciation and give presentations to demonstrate their knowledge.

Spanish II

Grade: 10-12

Credit: 1 unit

Prerequisite: Spanish I

Spanish II is a grammar intensive course. New verb forms like the preterite, imperfect, and reflexive are introduced. Other grammar points include possessive and demonstrative adjectives, and direct and indirect object pronouns. Vocabulary is still an important part, so themes include school, daily routines, community, and childhood pastimes. In this course, students will be expected to use appropriate pronunciation when communicating, reciting poems, and giving presentations to their fellow classmates. They will also continue to compare their language and culture to those of the Spanish-speaking world as well as recognize the importance and usefulness of Spanish in the world. **Requires a final assessment that is locally prepared.**

Spanish III-Honors

Grade: 11-12

Credit: 1 unit

Prerequisite: Spanish II minimum grade of 75

Spanish III gives students the opportunity to read text in Spanish. This includes poems and short stories. Students will be able to sustain longer and more in depth conversations. The histories of Spanish-traditions are also a focus in this class. Culture will continue to be analyzed and compared by the student. New verb forms like the future, the imperfect, and the subjunctive are introduced. The presentations that students will give are expected to utilize various verb forms that have been learned since Spanish I.

SCIENCE

Science as Inquiry: Traditional laboratory experiences provide opportunities to demonstrate how science is constant, historic, probabilistic, and replicable. Although there are no fixed steps that all scientists follow, scientific investigations usually involve collections of relevant evidence,

the use of logical reasoning, the application of imagination to devise hypotheses, and explanations to make sense of collected evidence. Student engagement in scientific investigation provides background for understanding the nature of scientific inquiry. In addition, the science process skills support development of reasoning and problem solving ability and are the core of scientific methodologies.

Earth/Environmental Science

Grade: 9

Credit: 1 unit

Prerequisite: None

This freshman-level course is a survey of geology, hydrology, meteorology, climate, astronomy, and the interaction of natural resources and the environment. This course will follow the Earth/Environmental Essential standards. A cumulative NC Final Exam will be administered as a final assessment.

Honors Earth/Environmental Science

Grade: 9

Credit: 1 unit

Prerequisite: 90 or above in 8th grade science, or Level 3 or higher on 8th Grade Science EOG.

This freshman-level course is a survey of geology, hydrology, meteorology, climate, astronomy, and the interaction of natural resources and the environment. This honors level course is reading, writing, and project-based learning intensive. This course will follow the Earth/Environmental Science Essential Standards. A cumulative NC Final Exam will be administered as a final assessment.

Biology

Grade: 10

Credit: 1 unit

Prerequisite: Successful completion of Earth/Environmental Science

Honors Biology

Grade: 10

Credit: 1 unit*

Prerequisite: 90 or above in the previous science course Earth/Environmental Science. 9th Grade students must be enrolled in Honors Math 2.

Biology is the study of cells, the biochemical processes that make life possible, DNA structure and DNA technology, genetics, evolution, classification, the interdependence of organisms within their environments and the understanding of the impact of human activities on the environment. This honors level course is reading, writing, and project-based learning intensive. This course will follow the Biology Essential Standards. A computerized, End of Course Test will be administered upon completion of the course.

Chemistry

Grade: 10-12

Credit: 1 unit

Prerequisite: Successful completion of Math 2 with an 80 or above, Earth/Environmental Science and Biology. Strongly suggested that the student has completed or is enrolled in Math 3.

Honors Chemistry

Grade: 10-12

Credit: 1 unit*

Prerequisite: Successful completion of Earth/Environmental Science and Biology. 10th grade students need to be enrolled in Math 3 and 11th grade students enrolled in Pre-Calculus.

Chemistry is the study of atoms, the periodic table, chemical compounds, bonding patterns and reactions, and the behavior of gases, liquids and solids. This honors level course is reading, writing, and project-based learning intensive. This course will follow the Chemistry Essential Standards. A cumulative NC Final Exam will be administered as a final assessment.

Physical Science

Grade: 11-12

Credit: 1 unit

Prerequisite: Successful completion of Earth/Environmental Science and Biology.

Physical Science is the study of motion, forces, energy, waves, electricity, magnetism, matter, chemical bonding and interactions, and the role of the nucleus in radiation and radioactivity. This course will follow the Physical Science Essential Standards. A cumulative NC Final Exam will be administered as a final assessment.

Honors Physics

Grade: 11-12

Credit: 1 unit*

Prerequisite: Successful completion of Earth/Environmental Science, Biology, and Chemistry. Students should have completed or be enrolled in Honors Math III.

Physics is the study of Forces and Motion, Energy Conservation and Transfer and the Interactions of Energy and Matter. The course is math intensive and requires students to develop a conceptual and mathematical understanding of the principles of Physics as outlined in the NCDPI Common Core and Essential Standards. This honors level course is reading, writing, and project-based learning intensive. A cumulative NC Final Exam will be administered as a final assessment.

Advanced Placement Biology

Prerequisite: Students must obtain a transcript from the guidance department and submit to the AP Biology instructor along with two letters of recommendation from a math and science teacher.

Biology Seminar

Grade: 11-12

Credit: 1 unit*

This course is the first semester portion of Advanced Placement Biology and is designed for students planning to enter any career in the biological sciences. The student will survey many areas of biological science with an emphasis on cellular and molecular levels. There will be at

least four written lab reports required. Students must pass this course in order to continue in AP Biology.

**To facilitate instruction, summer assignments will be required.

Advanced Placement Biology

Grade 11-12

Credit: 1 unit*

This course is the second semester portion of the AP Biology curriculum and is an introductory college level course. It requires an intense study of biological concepts in preparation for the Advanced Placement exam which is administered in May. Lectures, labs, discussions and research are an important part of the course. Students will be required to write six extensive papers, following completion of six of the twelve laboratory investigations. AP Biology is an extremely challenging course for any participant.

HEALTH/PHYSICAL EDUCATION

Health and PE

Grade: 9

Credit: 1 unit

Prerequisite: None

This is a required course for graduation and will include fifty percent of physical education and fifty percent of health education. Students must dress out for physical activity. Topics will include: Physical Education – motor skill development, health related fitness, movement concepts, and personal and social responsibility; Health Education – mental/emotional health, personal and consumer health, interpersonal communication and relationships, nutrition and physical activity, and alcohol, tobacco, and other drugs.

Advanced PE

Grade: 10-12

Credit: 1 unit

Prerequisite: Health and PE

This course will cover a variety of individual, dual, and team sports. Activities will incorporate motor skill development, health related fitness, movement concepts, and personal and social responsibility. Advanced skills, strategies of play, history, and knowledge of rules will be taught and assessed. Dressing out and daily participation are expected and required.

Physical Fitness (Weight Training)

Grade: 9-12

Credit: 1 unit

Prerequisite: Health and PE

Physical conditioning is designed to give a basic understanding of and appreciation for strength training as well as for cardiovascular fitness. Throughout the course of the semester you will be exposed to different training principles, benefits of strength training and current training issues. Issues of importance include: basic muscle physiology, proper warm-up/cool-down (including

flexibility and stability), training methods and modes (including safety issues and spotting), as well as basic cardiovascular and respiratory anatomy and physiology. Must have completed Health and PE.

ENGLISH

English I & English I Honors

Grade: 9

Credit: 1 unit

The ninth grade English I Common Core Standards course is an overview of excellent literature across the major forms and genres (short story, novel, poetry, drama, epic poetry, and literary nonfiction). Each unit focuses on a genre and a related theme. Students in English I will begin to read and respond to literary criticism. In formal seminar discussions, students further investigate philosophical and literary questions that arise in the texts. In addition to discussing and writing about works, students memorize poems and excerpts of speeches and learn to deliver them with expression. By the end of ninth grade, students are prepared for focused literary study.

Prerequisite English I Honors: 90 or above in previous English class, Level 3 or above on the 8th Grade English EOG, and teacher recommendation. The honors course increases in the complexity of works and assignments. Students must demonstrate self-motivation and the ability to complete work independently.

English II & English II Honors

Grade: 10

Credit: 1 unit

The tenth grade English II Common Core Standards course is a study of literature from around the world. Each unit allows for close study of literary works, as well as consideration of historical and cultural context. The units focus not only on geographical regions, but also on themes and literary forms that pertain to them. Thus students come to grasp the relationship between local concerns and universal questions. In the Russian literature unit, students begin by reading short Russian masterpieces of the nineteenth century and proceed to read selected twentieth-century works in historical context. In the Latin American literature unit, students observe and describe literary forms in texts. In the unit of Africa and the Middle East, students gain cultural insight as they explore prose and poetry. Throughout the year, students take part in seminars, write essays, and deliver speeches.

Prerequisite English II Honors: 90 or above in previous English class, completion of summer reading & correlating assignments, and teacher recommendation. The honors course increases in the complexity of works and assignments. Students must demonstrate self-motivation and the ability to complete work independently.

English III & English III Honors

Grade: 11

Credit: 1 unit

The eleventh grade English III Common Core Standards course is a study of American literature from the colonial period to the late 20th century. There are many opportunities to analyze historical and information texts due to much of the early American literature being nonfiction. Students come to see the fluid relationship between fiction and nonfiction and have

opportunities to make connections within history, art, and other subjects. Essays range from the analytical to the creative. Students build on their writing skill from previous years, integrating multiple sources and perspectives into their work, reading literary criticism, and writing longer and more complex essays. To build appreciation of the sounds and rhythms of American literature, students continue to recite poems and speeches and refine their expressive delivery. By the end of the year, students have a foundation in American literature and are ready to branch out into European literature, which they will study in 12th grade. A research paper may be required.

Prerequisite English III Honors: 90 or above in previous English class, Level 3 or above on English II EOC, completion of summer reading & correlating assignments, teacher recommendation, strong writing ability. All of the above elements are necessary. In addition, a research paper is required. This course is geared toward preparation for university/college level studies &/or AP English Literature and Composition.

English IV & English IV Honors

Grade: 12

Credit: 1 unit

The twelfth grade English IV Common Core Standards course focuses on European literature from the Middle Ages to the present. Units are arranged chronologically, so that students may see how earlier works influence later works and how forms and ideas have evolved over time. Students consider prominent themes for each time period. It is important to read poems in their original language, so most of the poetry studied this year is in English. Through immersion in the poetry of Shakespeare, Donne, Milton, Blake, Wordsworth, Byron, Auden, and others, students develop an ear for English metrical forms. In their essays and discussions, students may relate a work to its historical circumstances, trace a symbol through a collection of works, or consider a moral or philosophical question. Writing assignments include essays and research papers. By the end of twelfth grade, students have become familiar with some of the major works and ideas of European literature, have honed their skills of literary analysis, and have written a research paper.

Prerequisite English IV Honors: 90 or above in previous English class, completion of summer reading & correlating assignments, teacher recommendation, strong writing ability. The honors course increases in the complexity of works and assignments. Students must demonstrate self-motivation and the ability to complete work independently.

English IV Seminar

Grade: 12

Credit: 1 unit*

Prerequisite: 90 or above in English III Honors, teacher interview with writing sample, completed summer assignments

This course is the first semester of the yearlong AP level of English. Students should sign up for English IV Honors if their schedule will not accommodate a yearlong commitment. This course focuses on AP level of fiction, prose, poetry, critical reading and oral and written interpretation of these works. Admission to the class requires an interview with the teacher to discuss SAT/ACT/PSAT verbal scores, grades in upper level courses, and time commitment to the course. In addition to two writing samples, a timed writing may be required. Students are expected to complete their summer assignment and have parental approval to take the course.

Some works are long and deal with adult content since they are part of the college curriculum suggested by the College Board.

Advanced Placement Literature & Composition

Grade: 12

Credit: 1 unit*

Prerequisite: Successful completion and performance in English 12 Seminar

This is the second semester of AP level study in British, American and world authors. Students broaden their study from the first semester by reading longer and more complex works in preparation for the AP test in May. Course objectives align with freshman English coursework at the college level.

MATHEMATICS

Foundations of Math 1

Grade: 9

Credit: 1 unit

NOTE: This is not a math credit; will count as an Elective Credit

Prerequisite: 8th Grade Math

This is an entry-level math course for ninth graders. It continues the study of algebraic concepts. It includes operations, polynomials, creation and application of linear functions and relations, algebraic representations of geometric relationships, and an introduction to nonlinear functions. Appropriate technology, from manipulatives to calculators and application software will be used regularly for instruction and assessment. Requires a final assessment prepared locally.

Math 1

Grade: 9

Credit: 1 unit

Prerequisite: Successful completion of 8th Grade Honors Math or Level 3 or above on the 8th Grade Math EOG, 80 or above in previous math course, and completion of Math 1 screening test or successful completion of Foundations of Math 1

Math I provides students the opportunity to study concepts of algebra, geometry, functions, number and operations, statistics and modeling throughout the course. These concepts include expressions in the real number system, creating and reasoning with equations and inequalities, interpreting and building simple functions, expressing geometric properties and interpreting categorical and quantitative data. A portion of the assessments will be calculator inactive. Requires a final assessment prepared by the State Department of Public Instruction.

Math 2

Grade: 10-11

Credit: 1 unit

Prerequisite: Math 1

Math II continues a progression of the standards established in Math I. In addition to these standards, Math II includes: polynomials, congruence and similarity of figures, trigonometry with

triangles, modeling with geometry, probability, making inferences and justifying conclusions. Requires a final assessment prepared by the State Department of Public Instruction.

Math 2 Honors

Grade: 9-11

Credit: 1 unit*

Prerequisite: 90 or above on previous Math Course, Level 3 or above on Math 1 EOC, teacher recommendation

This course demands a more challenging approach to the student's study of Math II concepts. Students will rely primarily on deductive methods of proof in their study of two-and-three-dimensional geometric figures. Students will have opportunities to take greater responsibility for their learning. A project will be required. Requires a final assessment prepared by the State Department of Public Instruction.

Math 3

Grade: 10-12

Credit: 1 unit

Prerequisite: Math 2

Math III progresses from the standards learned in Math I and Math II. In addition to these standards, Math III extends to include algebraic concepts such as the complex number system, inverse functions, trigonometric functions and the unit circle. Math III also includes the geometric concepts of conics and circles. Requires a final assessment prepared by the State Department of Public Instruction.

Math 3 Honors

Grade: 10-12

Credit: 1 unit*

Prerequisite: 90 or above on previous Math course and teacher recommendation

This course is designed for the more advanced student. The same topics will be studied as in regular Math III, but these topics will be covered in greater depth and at a faster pace. Appropriate technology, from manipulatives to calculators and application software will be used regularly for instruction and assessment. A project will be required. Requires a final assessment prepared by the State Department of Public Instruction.

Math 4

Grade: 11-12

Credit: 1 unit*

Prerequisite: Math 3

The primary focus of this course is on functions and statistical thinking, continuing the study of algebra, functions, trigonometry and statistical concepts previously experienced in NC Math 1-3. The course is designed to be a capstone to introductory statistical concepts. Additionally, the course intentionally integrates concepts from algebra and functions to demonstrate the close relationship between algebraic reasoning as applied to the characteristics and behaviors of more complex functions. In many cases, undergraduate students majoring in non-STEM fields will take an entry-level Algebra or Introductory Statistics course. Students will be prepared for

college level algebra and statistics or as a bridge to prepare students for Precalculus or other advanced math courses. **This course will satisfy the 4th unit of math required for graduation. Requires a final assessment prepared by the State Department of Public Instruction.**

Pre-Calculus

Grade: 10-12

Credit: 1 unit*

Prerequisite: Math 3 with a 90 or greater average, teacher recommendation

This course provides students an honors-level study of trigonometry, advanced functions, analytic geometry, and data analysis in preparation for calculus. Applications and modeling will be included throughout the course of study. Appropriate technology, from manipulatives to calculators and applications software will be used regularly for instruction and assessment. This course will satisfy the 4th unit of math required for graduation. Requires a final assessment prepared by the State Department of Public Instruction.

Calculus Seminar

Grade: 11-12

Credit: 1 unit*

Prerequisite: Precalculus with 90 or greater average

This course is the first semester of year long AP Calculus. The course develops the student's understanding of the concepts of limits, graphs, functions, and derivatives. Opportunity is provided for the applications of these concepts. The course encourages the geometric, numerical, analytical, and verbal expression of concepts, results, and problems. Graphic calculators and their appropriate technology are used regularly for instruction, reinforcement, and assessment. Occasional reference to former AP Calculus exam problems is made. Requires a final assessment prepared locally. A final assessment prepared locally is required for high school credit.

Advanced Placement Calculus

Grade: 11-12

Credit: 1 unit*

Prerequisite: Calculus Seminar

This course is a continuation of Calculus Seminar (second semester) that develops the student's understanding of the concepts of calculus (functions, graphs, limits, derivatives and integrals) and provides experience with its methods and applications. This course encourages the geometric, numerical, analytical and verbal expression of concepts, results and problems. Appropriate technology, from manipulatives to calculators and application software, will be used regularly for instruction and assessment. Students successfully completing this course and earning a 3, 4, or 5 on the AP Calculus Exam will earn college credit, depending on the individual college requirements.

Statistics Seminar

Grade: 11-12

Credit: 1 unit*

Prerequisite: 90 or greater in Pre-Calculus

This course is the first semester of yearlong AP Statistics. The course develops the student's understanding of the concepts of one and two variable statistics, data collection, probability and the beginning of sampling methods. Opportunity is provided for the applications of these concepts. The course encourages the geometric, numerical, analytical, and verbal expression of concepts, results, and problems. Graphic calculators and their appropriate technology are used regularly for instruction, reinforcement, and assessment. Occasional reference to former AP Statistics exam problems is made. Requires a final assessment prepared locally. A final assessment prepared locally is required for high school credit.

Advanced Placement Statistics

Grade: 11-12

Credit: 1 unit*

Prerequisite: Statistics Seminar

AP Statistics is an introductory college-level statistics course that introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students cultivate their understanding of statistics using technology, investigations, problem solving, and writing as they explore concepts like variation and distribution; patterns and uncertainty; and data-based predictions, decisions, and conclusions. Students successfully completing this course and earning a 3, 4, or 5 on the AP Statistics Exam will earn college credit, depending on the individual college requirements.

SOCIAL STUDIES

World History

Grade: 9

Credit: 1 unit

Prerequisite: None

This required course for graduation is taught on the ninth grade level. This is a general survey course of World History where students focus on different topics of history including Ancient Civilizations, Middle Ages, Renaissance and Age of Exploration, Revolution and Industrial changes and both World Wars. This course will cover periods up to the 21st century. The desired outcome of this course is that students will broaden their historical perspectives as they explore ways societies have dealt with concepts such as civilization, revolution, government, economics, war, stability, movement and technology. In addition students will develop an understanding of current events and relate them to their historical contexts.

Honors World History

Grade: 9

Credit: 1 unit

Prerequisite: 90 in 8th grade social studies and teacher recommendation

This course focuses on the recurring themes of human experience common to civilizations around the globe from ancient to contemporary times. The application of the themes of geography and an analysis of the cultural traits of civilizations will help students understand how people shape their world and how their world shapes them. Readings from primary sources will be used extensively as well as project-based learning. The course is reading, writing and homework intensive.

American History: The Founding Principles, Civics and Economics**Grade: 10****Credit: 1 unit**

This required course for graduation is taught on the tenth grade level. This course is organized into three standards-Civics and Government/Economics/and Financial Literacy. Students will gain an increased understanding of our American Government, US Constitution, politics, justice system, economic concepts, and current economic issues. Also students will develop knowledge and skills needed to manage personal financial resources effectively for a lifetime of financial security. A major goal of this course is to ensure that students will be able to function as productive citizens under our democratic society.

American History: The Founding Principles, Civics, and Economics-Honors**Grade: 10****Credit: 1 unit*****Prerequisites: 90 or above average in World History and teacher recommendation**

This course will take a more in-depth look at the three course standards-Civics and Government, Economics, and Financial Literacy. Project-based learning and other various higher level instruction techniques will be used. An emphasis is placed on greater content knowledge of subject matter.

American History I**Grade: 11****Credit: 1 unit****Prerequisite: None**

This required course for graduation is designed for eleventh grade students. It is a concentrated study of the United States from Colonization to Reconstruction.

American History I Honors**Grade: 11****Credit: 1 unit*****Prerequisites: 90 or above in previous Social Studies course and teacher's recommendation**

This is an advanced course designed for eleventh grade students. It is a chronological study of American History from the Colonial Era to Reconstruction. Outside reading and research projects are required. This course is writing and homework intensive.

American History II**Grade: 11****Credit: 1 unit****Prerequisite: American History I**

This course completes the requirement for American History for eleventh grade students. The second part of the course concentrates on the time period from the late 19th Century to the present.

Prerequisite: 90 average and teacher recommendation from American History I Honors

This advanced course completes the requirement for eleventh graders. The second half of the curriculum concentrates on the time period from the late 19th Century to the present. Outside reading and research projects are required. This course is writing and homework intensive.

CULTURAL ARTS

Visual Arts (Beginning)

Grade: 9-12**Credit: 1 unit**

Prerequisite: None

Visual Arts (Beginning) is an introductory art course for students with little to no art experience. This course is aligned to the Essential Standards visual arts curriculum at the beginning level and features the foundational study of the elements of art and principles of design, color theory, art vocabulary, use and care of art tools and equipment, art criticism, art history and safety in the art room. Art I explores various art media, processes, procedures, aesthetic theories and historical developments.

Visual Arts (Intermediate)

Grade: 9-12**Credit: 1 unit**

Prerequisite: Visual Arts (Beginning), Placement portfolio and/or instructor recommendation

Visual Arts (Intermediate) is an art course aligned to the Essential Standards visual arts curriculum at the intermediate level. Various art processes, techniques, procedures, and theories are presented in a problem-solving context allowing for independent choices and personal solutions. Students continue to use a variety of tools, media, processes, and learn to select the most appropriate for finding innovative artistic solutions. Students begin developing their personal artistic style while adhering to basic design principles. Students gain knowledge and understanding of past and present art forms, through the study of a variety of artists, artworks, cultures and historical periods.

Visual Arts (Proficient)-Honors

Grade: 10-12**Credit: 1 unit**

Prerequisite: Completion of Honors Rubric for entry, a Visual Arts (Intermediate) Portfolio, and grade of 90 or above in Visual Arts (Intermediate)

Visual Arts (Proficient) is a studio course (and is offered as an honors level course) that provides a more in-depth approach to the study of art processes and techniques, aesthetic issues, art criticism, art appreciation and art history. Students select appropriate art processes and techniques to create art by analyzing the relationship between the media, processes and results. Students use art vocabulary to analyze and evaluate compositions, understand the relationship between personal expression and design and recognize historical and contemporary art styles, themes, and genres. Students form artistic goals, develop appropriate

work habits, and consider art careers. Knowledge of the arts in relation to culture, history, other disciplines, and careers is promoted through visual, verbal, and written means. Art history, criticism, and aesthetics are studied in conjunction with selected artworks leading to the development of a personal philosophy of art. Students create and maintain portfolios to document personal choices and growth as artists.

Visual Arts (Advanced)-Honors

Grade: 10-12

Credit: 1 unit

Prerequisite: Completion of Honors Rubric for entry, and Art Portfolio, and a grade of 90 or above in Visual Arts (Proficient)

Visual Arts (Advanced) is an advanced art course (which is also offered as an honors level course) promoting an in-depth knowledge of art processes, media, styles, history and aesthetics. Students create art based on personal expression and styles, applied design, analysis of compositional components and contemporary themes. Students use art tools, processes and media appropriately, safely and effectively. Assignments may focus on artistic analysis and critique through reading and writing assignments, independent research, and art appreciation activities. Students create and maintain portfolios to document personal choices and growth as artists. Students take part in planning and installing an exhibition of their work.

Art Appreciation

Grade: 9-12

Credit: 1 unit

Prerequisite: None

This course introduces the origins and historical development of art. Emphasis is on the relationship of design principles to various art forms including but not limited to sculpture, painting, and architecture. Upon completion, students should be able to identify and analyze a variety of artistic styles, periods, and media.

Dance (Beginning)

Grade: 9-12

Credit: 1 unit

Prerequisite: None

This course is designed for students with no or limited progression in dance education. The students will learn movement skills of various dance styles, choreographic structures and principles, and performance values. The cultural and historical connections with dance will be studied. The students will participate in in-class performances and have the option of performing in the end-of-semester recital. This course gives the students an opportunity to develop a positive attitude toward themselves, others, and dance as an art form.

Dance (Intermediate)

Grade: 10-12

Credit: 1 unit

Prerequisite: Students must show proficiency in all beginning level standards.

Students will continue to build on the movement skills, choreography fundamentals, and performance values learned in Beginner Dance. The cultural and historical connections with dance will be researched. The students will participate in in-class performances and will be encouraged to perform in the end-of- semester recital.

Dance (Proficient)-Honors**Grade: 11-12****Credit: 1 unit**

Prerequisite: Students must show proficiency in all intermediate level standards and have completed Intermediate Dance with a B or above.

Choreographic structures, principles, and the processes to create dances will be used. Performance concentration, focus, and etiquette will be emphasized. Culture, history, and the connection with dance will continue to be studied. The students will participate in in-class performances and the end-of-year semester recital.

Dance (Advanced)-Honors**Grade: 12****Credit: 1 unit**

Prerequisite: Students must show proficiency in all proficient level standards and have completed Proficient Dance with a B or above.

The students will continue to study the structures and principles of choreography as well as choreography analysis. Advanced dance movement will be practiced and emphasis will be put on performance values. The cultural and historical connections will continue to be studied. The students will participate in in-class performances and the end-of-semester recital.

Theatre Arts (Beginning)**Grade: 9-12****Credit: 1 unit**

Prerequisite: None

Theater Arts (Beginning) provides a setting where students can find challenges that they can master. This course includes: dramatic literature/evaluation of performance; theater history; pantomime and movement; voice, diction, and oral interpretation; acting and technical theatre. The goals of the course are to develop skill in use of language; to develop cooperation skills with others to provide a sense of achievement; to develop a capacity for understanding and appreciation of cultural concepts; and to develop personality, self-concept and self-esteem.

Theatre Arts (Intermediate)**Grade: 10-12****Credit: 1 unit**

Prerequisite: Theatre Arts (Beginning) with C or better; Teacher may approve students in special circumstances

This course will focus on playwriting, acting, theatre history, studying art forms and integrating them, designing and producing theatre, the study of the technical theatre components. Students will be required to work after school on productions.

Independent Study--Theatre Arts

Advanced Students Only (must have completed two theatre courses successfully and/or teacher permission)

Public Speaking and Media Communications (Beginning) Grade 9-12 Credit 1 unit

This course will focus on speech and communication. Students will study famous speakers and the art of giving speeches (students will be able to prepare and deliver well-organized speeches and participate in group discussion). Emphasis will be on preparation, delivery, and evaluation of informative, persuasive, and special occasion public speaking. Students will engage in the following types of communication learning experiences: podcasting, commercials, videos, broadcasting and student Ted Talks. Student competitions will be part of the curriculum.

**Marching Band - (Fall Semester) Grade: 9-12 Credit: 1 unit
(Beginning, Intermediate, Proficient-Honors and Advanced-Honors)**

Prerequisite: 6th, 7th, and 8th grade band participation and/or private summer instruction. Students must pass a scale/rudiment playing examination with at least eighty percent proficiency and attend summer marching band camp in order to participate in Marching Band.

Band emphasizes the development of musical knowledge, perception, and comprehension through performance. Students will learn a variety of musical and rehearsal techniques necessary to elevate individual and group performance to an artistic level. Elements of music theory are discussed and applied to a diverse selection of concert and marching band literature. The band functions as a marching band through the month of October and then transfers over to concert literature. This course requires not only class time, but some after school rehearsals and events. Students will compete in at least three band competitions, home football games, parades, and other events with the marching band. Other opportunities for members of the band include All District Solo Auditions, pep band, and other small ensembles. ** There is a fee for summer marching band camp.

**Concert Band - (Spring Semester) Grade: 9-12 Credit: 1 unit
(Beginning, Intermediate, Proficient-Honors and Advanced-Honors)**

Prerequisite: 6th, 7th, and 8th grade band participation and/or private summer instruction. Students must pass a scale/rudiment playing examination with at least eighty percent proficiency in order to participate in Concert Band.

Band emphasizes the development of musical knowledge, perception, and comprehension through performance. Students will learn a variety of musical and rehearsal techniques necessary to elevate individual and group performance to an artistic level. Elements of music theory are discussed and applied to a diverse selection of concert band literature. The concert band will participate in the Festival at the discretion of the band director as well as two concerts during the spring semester. Other opportunities for members of the band include All District Solo Auditions, pep band, and other small ensembles.

Auxiliary Band (Color Guard) Grade: 9-12 Credit: 1 unit

Prerequisite: Audition and attendance at summer marching band camp.

This course will emphasize the development of choreography and musical knowledge, perception, and comprehension through performance. Students will perform in conjunction with the marching band during the fall semester and as a winter guard unit during the spring semester. Students will learn basic techniques, as well as the creative aspects of coordinating a visual presentation with music or the marching band's musical presentation. These techniques will be applied through performance with the marching band and winter guard ensemble. Students will refine skills on the flag and other visual ensemble equipment (rifle, ribbon, etc).

**There is a fee for summer marching band camp

Chorus

Grades: 9-12

Credit: 1 unit

Prerequisite: None

Chorus is a performance based class that can be taken in either the fall or spring semesters. In this class you learn about how to sing properly, develop music reading skills, and learn other music basics. The class performs various styles and genres of music. Any rehearsals and performances are mandatory.

Strings

Grades: 9-12

Credit: 1 unit

Prerequisite: None

This class is for beginning guitar students. We will use acoustic guitars only, and students may use school-owned guitars if they do not own their own instrument. The course will cover basic music and chord reading, basic strum and pick patterns, and basic improvisational techniques.

Percussion

Grades: 9-12

Credit: 1 unit

Prerequisite: None

Percussion Ensemble is a performance-oriented class that focuses on the performance of both current and historical percussion repertoire. This class utilizes a large variety of percussion instruments including but not limited to: piano, marching percussion instruments, marimba, vibraphone, accessory percussion, etc. This performance group is a great class for all levels of percussion ability as it covers everything from basic rhythmic patterns to advanced world percussion polyrhythms. The ability to read music is helpful but not required. As this ensemble is a performance-based ensemble all after school concerts and events are required.

AGRICULTURE

Agriscience Applications

Grade: 9-10

Credit: 1 unit

****NC Hunter Safety Course certification available**

Prerequisite: None

This course focuses on integrating biological/physical sciences with technology as related to the environment, natural resources, food production, science, and agribusiness. Topics of instruction include agricultural awareness and literacy, employability skills and introduction to all aspects of the total agricultural industry. English language arts, mathematics, and science are reinforced.

Aligned Career Technical Student Organization: National FFA Organization (FFA)

Agricultural Mechanics I

Grade: 10-12

Credit: 1 unit

Recommended Prerequisite: Agriscience Applications

This course develops knowledge and technical skills in the broad field of agricultural machinery, equipment, and structures. The primary purpose of this course is to prepare students to handle the day-to-day problems and repair needs they will encounter in their chosen agricultural career. Topics include agricultural mechanics safety, agricultural engineering career opportunities, hand/power tool use and selection, electrical wiring, fencing, paints and preservatives, basic metal working, basic agricultural construction skills related to plumbing, carpentry, basic welding, and leadership development. English language arts, mathematics, and science are reinforced.

Aligned Career Technical Student Organization: National FFA Organization (FFA)

Agricultural Mechanics II

Grade: 11-12

Credit: 1 unit

Prerequisite: Agricultural Mechanics I

In this course, the topics of instruction emphasized are non-metallic agricultural fabrication techniques, metal fabrication technology, safe tool and equipment use, human resource development, hot/cold metal working skills and technology, advanced welding and metal cutting skills, working with plastics, plumbing, concrete and masonry, agricultural power and advanced career exploration/decision making. English language arts, mathematics, and science are reinforced.

Aligned Career Technical Student Organization: National FFA Organization (FFA)

Horticulture I

Grade: 10-12

Credit: 1 unit

Recommended Prerequisite: Agriscience Applications

This course provides instruction on the broad field of horticulture with emphasis on the scientific and technical knowledge for a career in horticulture. Topics in this course include plant growth and development, plant nutrition, media selection, basic plant identification, pest management, chemical disposal, customer relations, and career opportunities. English language arts, mathematics, and science are reinforced.

Aligned Career Technical Student Organization: National FFA Organization (FFA)

Horticulture II

Grade: 11-12

Credit: 1 unit

Regular or Honors*

Prerequisite: Horticulture I

This course covers instruction that expands scientific knowledge and skills to include more advanced scientific computations and communication skills needed in the horticulture industry. Topics include greenhouse plant production and management, bedding plant production, watering systems, light effects, basic landscape design, installation and maintenance, lawn and turf grass management, and personal development. English language arts, mathematics, and science are reinforced.

Aligned Career Technical Student Organization: National FFA Organization (FFA)

CTE Internship

Grade: 12

Credit: 1 unit

Requirements: Must be a senior; must have completed at least 2 courses in a CTE pathway with one being a completer course and Career Development Coordinator approval.

A CTE Internship allows for additional development of career and technical competencies within a general career field. Internships allow students to observe and participate in daily operations, develop direct contact with job personnel, ask questions about particular careers, and perform certain job tasks. This activity is exploratory and allows the student to get hands-on experience in a number of related activities. The teacher, student, and the business community jointly plan the organization, implementation, and evaluation of an internship, regardless of whether it is an unpaid or paid internship.

Various CTE Classes available through North Carolina Virtual Public Schools (NCVPS). Contact the Career Development Coordinator for more information.

BUSINESS, FINANCE AND MARKETING EDUCATION

Hospitality and Tourism

Grade: 10-12

Credit: 1 unit

Prerequisite: Principles of Business and Finance or Sports and Entertainment Marketing

In this course, students acquire an understanding of the economic impact and marketing strategies for hospitality and tourism destinations. Emphasis is on destination complexity, customer relations, economics, legal and ethical responsibilities, safety and security, and tourism promotion. English, language arts, mathematics, social studies and technology are reinforced.

Principles of Business and Finance

Grade: 9-12

Credit: 1 unit

Prerequisite: None

This course introduces students to topics related to business, finance, management, and marketing to cover business in the global economy, functions of business organization and management, marketing basics, and significance of business financial and risk management. English language arts, social studies, and mathematics are reinforced.

Aligned Career and Technical organization: Future Business Leaders of America (FBLA)

Sports & Entertainment Marketing I

Grade: 10-12

Credit: 1 unit

Prerequisite: None

In this course, students are introduced to the industry of sports, entertainment, and event marketing. Students acquire transferable knowledge and skills among related industries for planning sports, entertainment, and event marketing. Topics included are branding, licensing, and naming rights, business foundations, concessions and on-site merchandising, economic foundations, human relations, and safety and security. Mathematics and social studies are reinforced.

Sports & Entertainment Marketing II

Grade: 11-12

Credit: 1 unit*

Prerequisite: Sports & Entertainment Marketing I

In this course, students acquire an understanding of selling, promotion, and market planning of sports, entertainment, and event marketing. Emphasis is on business management, career development, client relations, contracts, ethics, event management, facilities management, legal issues, and sponsorships. English/language arts, mathematics and Social studies are reinforced.

CTE Internship

Grade: 12

Credit: 1 unit

Requirements: Must be a senior; must have completed at least 2 courses in a CTE pathway with one being a completer course and Career Development Coordinator approval.

A CTE Internship allows for additional development of career and technical competencies within a general career field. Internships allow students to observe and participate in daily operations, develop direct contact with job personnel, ask questions about particular careers, and perform certain job tasks. This activity is exploratory and allows the student to get hands-on experience in a number of related activities. The teacher, student, and the business community jointly plan the organization, implementation, and evaluation of an internship, regardless of whether it is an unpaid or paid internship.

Various CTE Classes available through North Carolina Virtual Public Schools (NCVPS). Contact the Career Development Coordinator for more information.

COMPUTER SCIENCE AND INFORMATION TECHNOLOGY EDUCATION

Microsoft Word and PowerPoint

Grade: 9-12

Credit: 1 unit

****MOS in Word and/or PowerPoint certification**

Prerequisite: None

Students in the Microsoft Imagine Academy benefit from world-class Microsoft curriculum and software tools to tackle real-world challenges in the classroom environment. In the first part, students will learn to use the current version of Microsoft Word interface, commands, and features to create, enhance, customize, share and create complex documents, and publish them. In the second part, students will learn to use the current version of Microsoft PowerPoint interface, commands, and features to create, enhance, customize, and deliver presentations. Art and English language arts are reinforced.

Aligned Career Technical Student Organization: Future Business Leaders of America (FBLA)

Microsoft Excel

Grade: 10-12

Credit: 1 unit*

****Microsoft Office 2016 Excel Expert 7-726**

Recommended Prerequisite: Microsoft Word and PowerPoint

Students in Microsoft Imagine Academies benefit from world-class Microsoft curriculum and cutting-edge software tools to tackle real-world challenges in the classroom environment. This class is designed to help you use the newest version of Microsoft Excel interface, commands, and features to present, analyze, and manipulate various types of data. Students will learn to manage workbooks as well as how to manage, manipulate, and format data. Mathematics is reinforced.

Aligned Career Technical Student Organization: Future Business Leaders of America (FBLA)

Computer Science I

Grade: 9-12

Credit: 1 unit

Prerequisite: None

Recommendation: Completion of Math 1

This course is an introductory course intended to familiarize students with the general concepts and thinking practices of computing, computer science, and information science. Students will learn computing concepts through authentic visual and interactive projects using visual programming languages. Students will focus on the "big CS ideas" in creative ways that emphasize conceptual knowledge and thinking practices rather than on programming alone. The big ideas in CSP include computing as a creative activity, abstraction, facilitating knowledge creation through computing, algorithms, problem-solving, the Internet, and the global impact of computing. Emphasis is placed on problem-solving, communication, creativity, and exploring the impacts of computing on how we think, communicate, work, and play. Art, English language arts, and mathematical concepts are reinforced.

Aligned Career Technical Student Organization: Future Business Leaders of America (FBLA)

CTE Internship

Grade: 12

Credit: 1 unit

Requirements: Must be a senior; must have completed at least 2 courses in a CTE pathway with one being a completer course and Career Development Coordinator approval.

A CTE Internship allows for additional development of career and technical competencies within a general career field. Internships allow students to observe and participate in daily operations, develop direct contact with job personnel, ask questions about particular careers, and perform certain job tasks. This activity is exploratory and allows the student to get hands-on experience in a number of related activities. The teacher, student, and the business community jointly plan the organization, implementation, and evaluation of an internship, regardless of whether it is an unpaid or paid internship.

**Various CTE Classes available through North Carolina Virtual Public Schools (NCVPS).
Contact the Career Development Coordinator for more information.**

CAREER DEVELOPMENT EDUCATION

Career Management

Grade: 9-12

Credit: 1 unit

****Conover Credential Workplace Readiness**

Prerequisite: None

This course prepares students to locate, secure, keep, and change careers. Emphasis is placed on self assessment of characteristics, interests, and values; education and career exploration; evaluation of career information and creation of a career plan. Based on the National Career Development Guidelines, skills learned in this course include, but are not limited to communications, interpersonal skills, problem solving, personal management and teamwork. English language arts is reinforced. Student participation in Career and Technical Student Organization (CTSO) competitive events, community service, and leadership activities provide the opportunity to apply essential standards and workplace readiness skills through authentic experiences.

CTE Internship

Grade: 12

Credit: 1 unit

Requirements: Must be a senior; must have completed at least 2 courses in a CTE pathway with one being a completer course and Career Development Coordinator approval.

A CTE Internship allows for additional development of career and technical competencies within a general career field. Internships allow students to observe and participate in daily operations, develop direct contact with job personnel, ask questions about particular careers, and perform certain job tasks. This activity is exploratory and allows the student to get hands-on experience in a number of related activities. The teacher, student, and the business community jointly plan the organization, implementation, and evaluation of an internship, regardless of whether it is an unpaid or paid internship.

**Various CTE Classes available through North Carolina Virtual Public Schools (NCVPS).
Contact the Career Development Coordinator for more information.**

FAMILY & CONSUMER SCIENCE

Foods and Nutrition I

Grade: 9-12

Credit: 1 unit

****ANSI- Accredited Food Handler Certificate**

Prerequisite: None

This course examines the nutritional needs of the individual. Emphasis is placed on fundamentals of food production, kitchen and meal management, food groups and their preparation, and time and resource management. English language arts, mathematics, science, and social studies are reinforced. Work-based learning strategies appropriate for this course include service learning and job shadowing. Apprenticeship and cooperative education are not available for this course. Family, Career and Community Leaders of America (FCCLA) competitive events, community service, and leadership activities provide the opportunity to apply essential standards and workplace readiness skills through authentic experiences.

Foods and Nutrition II

Grade: 10-12

Credit: 1 unit

****ANSI Approved Certified Food Protection Manager**

Prerequisite: Foods and Nutrition I

In this course, students experience the intersection of nutrition science and food preparation, while building skills for an expanding range of career opportunities. Emphasis is placed on health and social responsibility while improving the way people eat. Students learn how to manage food safety; plan and prepare meals for a variety of consumers and clients; and explore the food system and global cuisines. English/language arts, social studies, mathematics, science, technology, interpersonal relationships are reinforced. Work-based learning strategies appropriate for this course include apprenticeship, cooperative education, entrepreneurship, internship, mentorship, school-based enterprise, service learning and job shadowing. Family, Career and Community Leaders of America (FCCLA) competitive events, community service, and leadership activities provide the opportunity to apply essential standards and workplace readiness skills through authentic experiences.

Food Science and Technology

Grade: 10-12

Credit: 1 unit*

****Food Safety and Science Certification**

Prerequisite: Food and Nutrition I AND Environmental Science or Physical Science or Biology or Chemistry

This course explores the food industry from the farm to the table using skills in food science, technology, engineering, and mathematics. Government regulations, emerging trends, biotechnology, and technological career opportunities from scientists to technicians will be presented. The student examines production, processing, preparation, preservation, and packaging principles along the farm to table continuum. The student begins to understand how food technology affects the food that he/she eats. English language arts, science, social studies, and mathematics are reinforced.

CTE Internship

Grade: 12

Credit: 1 unit

Requirements: Must be a senior; must have completed at least 2 courses in a CTE pathway with one being a completer course and Career Development Coordinator approval.

A CTE Internship allows for additional development of career and technical competencies within a general career field. Internships allow students to observe and participate in daily operations, develop direct contact with job personnel, ask questions about particular careers, and perform certain job tasks. This activity is exploratory and allows the student to get hands-on experience in a number of related activities. The teacher, student, and the business community jointly plan the organization, implementation, and evaluation of an internship, regardless of whether it is an unpaid or paid internship.

Various CTE Classes available through North Carolina Virtual Public Schools (NCVPS). Contact the Career Development Coordinator for more information.

HEALTH SCIENCES EDUCATION

Foundations of Health Science

Grade: 9-12

Credit: 1 unit

Prerequisite: None

This course is designed to assist potential health care workers in their role and function as health team members. Topics include medical terminology, the history of health care, healthcare agencies, ethics, legal responsibilities, health careers, holistic health, health care trends, cultural awareness, communication, medical math, leadership, and career decision making. English language arts are reinforced.

Aligned Career Technical Student Organization: Future Health Professionals (HOSA)

Health Science I

Grade: 10-12

Credit: 1 unit

****Stop the Bleed**

Prerequisite: None

This course focuses on human anatomy, physiology, human body diseases and disorders, and biomedical therapies. Students will learn about healthcare careers within the context of human body systems. Projects, teamwork, and demonstrations serve as instructional strategies that reinforce the curriculum content. English language arts and science are reinforced in this course.

Aligned Career Technical Student Organization: Future Health Professionals (HOSA)

Biomedical Technology I

Grade 10-12

Credit: 1 unit

Regular or Honors*

Prerequisite: Health Science I

This course challenges students to investigate current trends in health care. Topics include ethics, forensic medicine, infectious diseases, organ transplants, cell biology and cancer, and biomedical research. English language arts and science are reinforced in this course.

Aligned Career Technical Student Organization: Future Health Professionals (HOSA)

Health Science II**Grade: 11-12****Credit: 1 unit******CPR/AED and First Aid****Prerequisite: Health Science I**

This course is designed to help students expand their understanding of financing and trends of healthcare agencies, fundamentals of wellness, legal and ethical issues, concepts of teamwork, and effective communication. Students will learn health care skills, including current CPR and first aid training for healthcare professionals. English language arts and science are reinforced in this course.

Aligned Career Technical Student Organization: Future Health Professionals (HOSA)

Nursing Fundamentals**Grade: 12****Credit: 2 units*******Nursing Aide I Certification****Prerequisite: Health Science II and application**

This course is designed for students interested in medical careers where personal care and basic nursing skills are used. This course is an enhanced adaptation of the North Carolina Division of Health Service Regulation (DHSR) Nurse Aide I (NAI) curriculum and helps prepare students for the National Nurse Aide Assessment (NNAAP). Students who pass the NNAAP become listed on the NC NAI Registry. English language arts, mathematics, and science are reinforced. *Enrollment is limited per North Carolina Board of Nursing (BON) Administrative Rule 21 NCAC 36.0318(i), which requires the ratio of teacher to nurse aide students be 1:10 or less during lab instruction, demonstration, skills practice, and while in the clinical area.

Aligned Career Technical Student Organization: Future Health Professionals (HOSA)

CTE Internship**Grade: 12****Credit: 1 unit**

Requirements: Must be a senior; must have completed at least 2 courses in a CTE pathway with one being a completer course and Career Development Coordinator approval.

A CTE Internship allows for additional development of career and technical competencies within a general career field. Internships allow students to observe and participate in daily operations, develop direct contact with job personnel, ask questions about particular careers, and perform certain job tasks. This activity is exploratory and allows the student to get hands-on experience in a number of related activities. The teacher, student, and the business community jointly plan the organization, implementation, and evaluation of an internship, regardless of whether it is an unpaid or paid internship.

Various CTE Classes available through North Carolina Virtual Public Schools (NCVPS). Contact the Career Development Coordinator for more information.

TECHNOLOGY ENGINEERING AND DESIGN

Technology Engineering and Design

Grade: 9-12

Credit: 1 unit

Prerequisite: None

Recommend strong computer skills

This course focuses on the nature and core concepts of technology, engineering, and design. Through engaging activities and hands-on project-based activities, students are introduced to the following concepts: elements and principles of design, basic engineering, problem solving, and teaming. Students apply research and development skills and produce physical and virtual models. Activities are structured to integrate physical and social sciences, mathematics, English, language arts, and art.

Technological Design

Grade: 10-12

Credit: 1 unit

Prerequisite: Technology Engineering and Design

This course continues to apply the skills, concepts, and principles of design. The design fields of graphics, industrial design, and architecture receive major emphasis. Engineering content and professional practices are presented through practical application. Working in design teams, students apply technology, science, and mathematics concepts and skills to solve engineering and design problems. Students research, develop, test, and analyze engineering designs using criteria such as design effectiveness, public safety, human factors, and ethics. Art, English, Language Arts, Mathematics and science are required.

Digital Design and Animation

Grade: 10-12

Credit: 1 unit

Prerequisite: None

Recommend strong computer skills

Digital Design and Animation I is an introductory level course focusing on the concepts and tools used by digital artists in a wide variety of creative careers including graphic design, film, and game design. Students work with professional-grade creative software packages to develop 2D and 3D digital graphics and audio/video media. Students use Adobe CC Suite, and digital 3D modeling with 3DS Max to build needed skills for subsequent courses.

CTE Internship

Grade: 12

Credit: 1 unit

Requirements: Must be a senior; must have completed at least 2 courses in a CTE pathway with one being a completer course and Career Development Coordinator approval.

A CTE Internship allows for additional development of career and technical competencies within a general career field. Internships allow students to observe and participate in daily operations, develop direct contact with job personnel, ask questions about particular careers, and perform certain job tasks. This activity is exploratory and allows the student to get hands-on experience in a number of related activities. The teacher, student, and the business community jointly plan

the organization, implementation, and evaluation of an internship, regardless of whether it is an unpaid or paid internship.

**Various CTE Classes available through North Carolina Virtual Public Schools (NCVPS).
Contact the Career Development Coordinator for more information.**

**College of the Albemarle (COA)
Career and College Promise (CCP) Courses**

Benefits of Taking CCP

- Readiness skills for success at the next educational level
- Builds credits towards a college certificate, diploma, or associate's degree at the same time that they are earning high school honors credits (5.0 on a 4.0 scale) for high school graduation thereby accelerating completion of a diploma, associate's degree, or four-year degree.
- Earn college credits that will transfer seamlessly to any of the 16 universities within the UNC system as well as participating independent colleges and universities (students must complete all 44 hours to ensure credit is transferable).
- Reduced cost for a two or four year degree; students save up to \$400 per college course in which they receive credit and/or placement, depending on which college they choose to attend at the end of their high school career.

Criteria for Eligibility

- Must be a Junior or Senior

*Freshman and Sophomores are eligible for select CTE courses—see School Counselor

- Must be making appropriate progress toward high school graduation
- Must have an unweighted GPA of 2.8 on high school courses for the College Transfer (CT) pathway or, if a Career and Technical Education (CTE) student, have an unweighted GPA of 2.8 or the recommendation of the high school principal or the designee.
- Demonstrate college readiness on an assessment or placement test in English, Reading, and Mathematics.
- Meets all existing COA admissions criteria and all course prerequisites.
- Maintains a 2.0 GPA in college coursework after completing two courses.

College Transfer	Career Technical Education
○ Junior or Senior	○ Junior or Senior
○ Weighted 3.0 GPA	○ Weighted 3.0 GPA or Principal Recommendation
○ Academic Readiness (See chart below)	○ Academic Readiness (See chart below)

Test	PLAN*	ACT*	PSAT*	SAT*	ASSET	COMPASS
English	15	18	45	500		
Writing					41	70
Reading	18	22	47	500	41	81
Mathematics	19	22	47	500		
Numerical Skills					41	
Pre Algebra						47
Algebra						66
Intermediate Algebra					41	

*Effective Fall 2014

Tuition, Fees, & Textbooks

- Tuition and fees are currently waived. Tuition is FREE!!!
- Students are responsible for purchasing their textbooks.

*Class availability is based on the course schedule set by College of the Albemarle, which changes every semester.

**Most CT courses are taught online; however, some CT courses are taught face-to-face. Most CTE courses are taught face-to-face; however, some CTE courses are taught online. Students taking any course taught face-to-face must provide their own transportation to and from the college campus.

College Transfer (CT) Pathway

College Course

High School Honors Credit

Prerequisite

English Composition

ENG 111 – Writing & Inquiry 1 credit; may be combined with other ENG courses to satisfy English III graduation requirement; else, elective credit only

ENG 112 – Writing/Research in the Disciplines

1 credit; may be combined with other ENG courses to satisfy English III graduation requirement; else, elective credit only

Communications

COM 231 – Public Speaking	1 elective credit	ENG 111
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Humanities/Fine Arts

ART 111 – Art Appreciation	1 elective credit
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ART 114 – Art History Survey I	1 elective credit
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ART 115 – Art History Survey II	1 elective credit
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ENG 231 – American Literature I	1 credit; with ENG 111 and ENG 112, satisfies ENG III graduation requirement; else, elective credit only
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ENG 232 – American Literature II	1 credit; with ENG 111 and ENG 112, satisfies ENG III graduation requirement; else, elective credit only
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ENG 241 – British Literature I	1 credit; with ENG 111 and ENG 112, satisfies ENG IV graduation requirement; else, elective credit only
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ENG 242 – British Literature II	1 credit; with ENG 111 and ENG 112, satisfies ENG IV graduation requirement; else, elective credit only
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ENG 261 – World Literature I	1 elective credit	ENG 112
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ENG 262 – World Literature II	1 elective credit	ENG 112
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MUS 110 – Music Appreciation	1 elective credit
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MUS 112 – Introduction to Jazz	1 elective credit
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PHI 215 – Philosophical Issues	1 elective credit	ENG 111
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PHI 240 – Introduction to Ethics	1 elective credit	ENG 111
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Social/Behavioral Sciences

ECO 251 – Principles of Microeconomics	1 elective credit
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ECO 252 – Principles of Macroeconomics	1 elective credit
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HIS 111 – World Civilizations I	1 credit; may be combined with HIS 112 to satisfy the World History graduation requirement; else, elective credit only
HIS 112 – World Civilizations II	1 credit; may be combined with HIS 111 to satisfy the World History graduation requirement; else, elective credit only
HIS 121 – Western Civilizations I	1 elective credit
HIS 122 – Western Civilizations II	1 elective credit
HIS 131 – American History I requirement	1 credit; satisfies American History I graduation requirement
HIS 132 – American History II requirement	1 credit; satisfies American History II graduation requirement
POL 120 – American Government	1 elective credit
PSY 150 – General Psychology	1 elective credit
SOC 210 – Introduction to Sociology	1 elective credit

Math

MAT 143 – Quantitative Literacy requirement	1 credit; satisfies fourth math graduation requirement
MAT 152 – Statistical Methods I requirement	1 credit; satisfies fourth math graduation requirement
MAT 171 – Precalculus Algebra requirement	1 credit; satisfies fourth math graduation requirement
MAT 172 – Precalculus Trigonometry requirement	1 credit; satisfies fourth math graduation requirement
MAT 263 – Brief Calculus requirement	1 credit; satisfies fourth math graduation requirement MAT 171
MAT 271 – Calculus I requirement	1 credit; satisfies fourth math graduation requirement MAT 172
MAT 272 – Calculus II requirement	1 credit; satisfies fourth math graduation requirement MAT 271

Natural Sciences

AST 111- Descriptive Astronomy	1 elective credit
AST 111A-Descriptive Astronomy Lab	0 credit
AST 151- General Astronomy I	1 elective credit
AST 151A- General Astronomy Lab I	0 credit
BIO 110- Principles of Biology	1 elective credit
BIO 111- General Biology I	1 credit; may be combined with BIO 112 to satisfy Biology graduation requirement; else, elective credit only
BIO 112- General Biology II	1 credit; satisfies Biology graduation requirement when combined with BIO 111; else, elective credit only
CHM 151 – General Chemistry I	1 credit; may be combined with CHM 152 to satisfy the physical science graduation requirement; else, elective only
CHM 152 – General Chemistry II	1 credit; may be combined with CHM 152 to satisfy the physical science graduation requirement; else, elective only
PHY 110 – Conceptual Physics	1 elective credit
PHY 110 A – Conceptual Physics Lab	0 credit
PHY 151 – College Physics I	1 credit; may be combined with PHY 152 to satisfy the physical science graduation requirement; else, elective credit only
PHY 152 – College Physics II	1 credit; may be combined with PHY 152 to satisfy the physical science graduation requirement; else, elective credit only
PHY 251 – General Physics I	1 credit; may be combined with PHY 252 to satisfy the physical science graduation requirement; else, elective credit only
Co-requisite: MAT 272	
PHY 252 – General Physics II	1 credit; may be combined with PHY 251 to satisfy the physical science graduation requirement; else, elective credit only

Computer Science

CIS 110 – Introduction to Computers	1 elective credit
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Academic Transition

ACA 122- College Transfer Success	1 elective credit
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Career and Technical Education (CTE) Pathway

*College Course
Prerequisite*

High School Credit

Air Conditioning, Heating, & Refrigeration Technology

AHR 110 – Intro to Refrigeration	1 elective credit	
AHR 111 – HVAC Electricity	1 elective credit	
AHR 113 – Comfort Cooling	1 elective credit	
AHR 114 – Heat Pump Technology	1 elective credit	AHR 110 or AHR 113

General Business Administration

ACC 120 – Principles of Financial Acct.	1 elective credit	
BUS 110 – Introduction to Business	1 elective credit	
CIS 110 – Introduction to Computers	1 honors elective credit	
ACC 121– Principles of Managerial Acct.	1 elective credit	
BUS 115 – Business Law I	1 elective credit	

Global Business

BUS 115 – Business Law I	1 elective credit	
MKT 120 – Principles of Marketing	1 elective credit	
INT 110 – International Business	1 elective credit	
BUS 110 – Introduction to Business	1 elective credit	
INT 210 – International Trade	1 elective credit	
INT 230 – International Law	1 elective credit	BUS 115

Distribution Management (Pending State Approval)

BUS 110 – Introduction to Business	1 elective credit	
CIS 110 – Introduction to Computers	1 honors elective credit	
LOG 110 – Introduction to Logistics	1 elective credit	
BUS 137 – Principles of Management	1 elective credit	BUS 110
LOG 120 – Global Logistics	1 elective credit	
LOG 210 –		

IT: Workplace IT Professional (Pending State Approval)

CIS 110 – Introduction to Computers	1 honors elective credit	
CTS 115 – Info. System Business Concept	1 elective credit	
CTI 110 – Web, Pgm & DB Foundation	1 elective credit	
CTI 120 – Network and Sec Foundation	1 elective credit	CIS 111 or CIS 110
CTS 240 – Project Management	1 elective credit	
NOS 110 – Operating Systems Concepts	1 elective credit	CIS 111 or CIS 110

IT: Computer Programming (Pending State Approval)

CIS 110 – Introduction to Computers	1 honors elective credit	
CIS 115 – Introduction to Programming & Logic	1 elective credit	
CSC 139 – Visual Basic Programming Co-requisite: CIS 110 or CIS 111	1 elective credit	
CTI 110 – Web, Pgm & DB Foundation	1 elective credit	
CTI 120 – Network and Sec Foundation	1 elective credit	CIS 111 or CIS 110
CSC 239 – Advanced Visual Basic Programming	1 elective credit	CSC 139

Culinary Technology

CUL 110 – Sanitation and Safety	1 elective credit
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CUL 140 – Culinary Skills I Co-requisite: CUL 110	1 elective credit	
CUL 135 – Food and Beverage Service	1 elective credit	
CUL 240 – Culinary Skills II	1 elective credit	CUL 110, CUL 140
CUL 112 – Nutrition and Food Service	1 elective credit	

Electrical/Electronics Technology

ELC 112 – DC/AC Electricity	1 elective credit	
ELC 113 – Residential Wiring	1 elective credit	
ELC 117 – Motors & Controls	1 elective credit	ELC 112, ELC 113
ELC 220 – Photovoltaic Systems Tech.	1 elective credit	ELC 112

Medical Assisting

MED 110 – Orientation to Medical Assisting	1 elective credit	
MED 121 – Medical Terminology I	1 elective credit	
MED 122 – Medical Terminology II	1 elective credit	MED 121
BIO 163 – Basic Anatomy and Physiology Biology	1 elective credit	1 unit high school

MOA: Medical Office Receptionist

CIS 110 – Introduction to Computers	1 honors elective credit	
MED 121 – Medical Terminology I	1 elective credit	
OST 281 – Emer Issues in Med Offices	1 elective credit	
MED 122 – Medical Terminology II	1 elective credit	MED 121
OST 148 – Medical Coding Billing & Insurance	1 elective credit	MED 122
OST 149 – Medical Legal Issues	1 elective credit	

Human Services Technology

HSE 110 – Introduction to Human Services 1 elective credit

Psy 150 – Introduction to Psychology

Psy 241 – Developmental Psychology 1 elective credit PSY 150

Welding Technology

WLD 110 – Cutting Processes 1 elective credit

WLD 121 – GMAW (MIG) FCAW/Plate 1 elective credit

WLD 112 – Basic Welding Processes 1 elective credit

WLD 115 – SMAW (Stick) Plate 1 elective credit

WLD 131 – GTAW (TIG) Plate 1 elective credit

Classes available through North Carolina Virtual Public High School (NCVPS)

**NCVPS requirements:

- 2.0 weighted GPA (including your updated GPA that is calculated in June for Fall classes and in January for Spring classes.
- Be an independent learner.
- Meet all prerequisites (if any) for the course.

Success 101

Grade: 9

Credit:

1 unit

Prerequisites: None

This course focuses on providing new high school students with the skills necessary to be successful during their secondary and postsecondary educational career. Emphasis will be placed on the acquisition of study skills, development of techniques for note taking, procedures for reviews, and learning modalities unique to individual students. In addition, students will analyze the importance of post-secondary education by exploring everyday living expenses through real-life applications. The use of technology to prepare and present information, conduct research, develop media skills, and apply problem-solving strategies in the academic disciplines are included.

Leadership Development**Grade: 9-12****Credit:****1 unit****Prerequisites: None**

Students will explore and analyze twenty qualities of effective leadership and distinguish between management and leadership. They will investigate both positive and negative leadership roles in current and historical contexts. Students will self reflect on leadership and how it applies to their own lives. Students will develop knowledge of themselves through assessment and reflection and use that information as well as knowledge of others to improve their own leadership skills, including communication and interpersonal dynamics. Students will develop a personal leadership portfolio and will be encouraged to participate in an individualized service project in their own community.

Medieval Studies**Grade: 10- 12****Credit:****1 unit****Prerequisites: None**

This social studies course explores Medieval Europe and Asia from the days of Early Christianity until the dawn of the Renaissance. Students investigate Christianity, the rise of the Byzantine Empire, The Islamic World, and European Invasions and how these movements influenced medieval culture, politics, and economics. Students trace medieval political threads and how they influenced each other. The course makes frequent use of the rich resources about this period available as online, textual, and visual media. Within this textbook-independent course students work both individually and as members of groups to complete assignments and projects. Medieval Studies provides students an opportunity to explore both Eastern and Western cultures during an exciting period of history.

SAT Prep**Grade: 10-12****Credit:****1 unit****Prerequisites: Algebra I, Geometry, English 9 and 10 are suggested.**

SAT Prep is a course designed to help prepare students for the SAT test. In addition to reviewing the basic verbal and mathematical skills assessed on the SAT test, students have access to test taking strategies specific to the exam, real student work samples with explanations, grading rubrics for peer and self-assessment, practice tests with complete multiple-choice assessments, essays prompts, and study resources. Instruction, followed by collaborative, guided, and independent practice, provides the foundation for the course. Students spend nine weeks working on the verbal and writing component of the SAT and nine weeks working on the mathematics component of the SAT. Upon successful completion, students will possess the tools necessary to complete the SAT to the best of their ability.

Psychology**Grade: 10, 11, & 12****Credit:****1 unit****Prerequisites: None**

Psychology is designed to engage students in the understanding, articulation, and dissemination of psychology as a science. Students are introduced to psychology, with a focus on the scientific study of human development, learning, motivation, and personality. The course emphasizes the empirical examination of behavior and mental processes and offers perspectives that foster students' growth, development, and understanding of cultural diversity.

Students of psychology acquire information from a variety of sources, use information as they make decisions and evaluations, and solve problems.

Psychology Honors

Grade: 10, 11, & 12

Credit:

1 unit

Prerequisites: None

Psychology is designed to engage students in the understanding, articulation, and dissemination of psychology as a science. Students are introduced to psychology, with a focus on the scientific study of human development, learning, motivation, and personality. The course emphasizes the empirical examination of behavior and mental processes and offers perspectives that foster students' growth, development, and understanding of cultural diversity. Students of psychology acquire information from a variety of sources, use information as they make decisions and evaluations, and solve problems. Honors Psychology covers the material in greater complexity, novelty, and pacing. Honors Psychology is distinguished by a difference in the quality of the work expected, not merely an increase in quantity.

Art of Game Design

Grade: 10, 11, & 12

Credit: 1 unit

Prerequisites: Successful completion of Art One is REQUIRED; please note - the basic skills learned and practiced in Art One are essential to the success of students enrolled in this course.

This multimedia course teaches the basic elements and thought processes of designing games, both digital (video games) and non-digital (board games, card games, etc.). Topics such as purpose, character and story development, and structure will be explored using the works of art from the North Carolina Museum of Art as catalysts for learning. Other topics will include the history of games, games from around the world, and troubleshooting common obstacles in game design.

This course has been created in collaboration with the North Carolina Museum of Art with funding provided by the Wachovia Wells Fargo Grant.

Required equipment:

- A reasonably recent computer or laptop computer with internet access.
- A storage medium such as 16g or larger memory cards, external hard drive and/or sufficient space on computer hard drive to save video files.

Recommended but not required:

****Please note that no matter what software a student chooses to use, the student should get to know the help features with the software to search for and find answers to video-editing questions. This should be one of the first goals a student achieves in the course.**

Music Business and Recording

Grade: 10- 12

Credit: 1 unit

Prerequisites: None

This is an entry level music business course that prepares students for careers in the music industry, both in music management and music recording. This introduction to the music industry establishes communication skills and knowledge of copyrights, music publishing and contracts, concert promotion, and recording studio business. An introduction to music recording

and music engineering is established through introducing skills needed for studio mixing, concert sound mixing, and D.J. applications. This course focuses on the technical and basic electronic aspects of music technology. Areas of instruction include beginning music theory, physics of sound, basic electronics, sound reinforcement systems, multi-track recording, digital audio recording, and digital signal processing.

Technical and Equipment Requirements: A headset with microphone is required for this course. All of the recording applications are web or cloud-based. This course uses web-based content and there is no required textbook.

Anatomy and Physiology Honors **Grade: 10- 12** **Credit: 1 unit**

Prerequisites: Completion of Earth/Environmental Science, Biology with an A or B (strongly recommend a first-time level 3 or 4 proficiency on the EOC for Biology)

Co- or prerequisite: Physical Science or Chemistry

This course is designed for the student with a strong background and interest in Biology and Medical Sciences. A detailed study of the human body, gross anatomy, and physiology provides the framework for this class. Students are expected to complete research and engage in online investigations in this course. Both independent and collaborative anatomy/physiology projects will be expected for the honors level credit.

Technical Requirements

Requires access to www.explorellearning.com and Shockwave/Java/Flash for online GIZMO labs; access to www.sasinschools.com and the required plugins (Java, Acrobat Reader, Flash) will be needed. Headphones are required to view videos - need media player, Quicktime or VLC to view. Students should also have access and use Microsoft Word, Excel and PowerPoint. Headset with mic needed for Wimba Classroom sessions and Pronto App Share.

Note: Schools should provide any available textbook for reference.

French I **Grade: 10-12** **Credit: 1 unit**

Prerequisites: None

The goal of this course is to give students basic listening, speaking, reading, and writing skills through activities based on pedagogically proven methods of foreign language instruction. Throughout the 10 instructional units, students learn to talk about themselves and others, describe their surroundings and use numbers for dates and time. Regular verbs are introduced in the present tense. Simple grammatical structures are practiced in innovative and interesting ways with a variety of learning styles in mind. Culture is presented throughout the course to help students understand the context of the language and to better understand the perspectives of the French-speaking world. The course is aligned to the national Foreign Language standards and provides a way to focus on the five important aspects of foreign language instruction: communication, culture, connections, comparisons and community. These are the "Five C's of the Foreign Language Education" as outlined in Standards for Foreign Language Learning: Preparing for the 21st Century.

Latin I **Grade: 10- 12** **Credit: 1 unit**

Prerequisites: None

Latin I is an introduction to the study of the Latin language and Greco-Roman culture. The course encourages students to learn basic functions of the language, become familiar with some elements of the culture, and increase their understanding of English. Emphasis is placed on the development of skills in reading and comprehension of adapted Latin texts. Integration of other disciplines, with special emphasis on English Language Arts, is ongoing throughout the course.

Textbook: None. This is a textbook independent course.

Various CTE Classes available through North Carolina Virtual Public Schools (NCVPS). Contact the Career Development Coordinator for more information.

OTHER ELECTIVES**Street Law****Grade: 11 & 12****Credit: 1 unit**

Prerequisite: Must have successfully completed Civics/Economics; having an interest in the law and/or criminal justice is strongly recommended.

Street Law is a Social Studies elective course. This course is an introductory level survey of the criminal and civil law and the criminal justice system procedures in the US. Areas of study will include Criminal and Civil Law, Juvenile Justice, Court System Procedures, Tort Law, Family Law and Basic Forensics. This practical course will include lecture, written assignments, readings, as well as individual and group projects. Students will be expected to participate in class discussions daily so good communication skills are needed. Students should be prepared to discuss topics with respect and an understanding of differing viewpoints.

21st Century Geography and Global Issues**Grade: 11 & 12****Credit: 1 unit**

This junior/ senior elective explores the major regions of the world using geographic themes and essential elements in order to gain insight into the emerging global community in which we now live. Emphasis is placed on understanding how physical and human interaction have defined people and places throughout history. Students will explore the physical environments of the earth and the cultural, economic and political factors that influence human societies. Woven into the study of these environments will be an examination of major issues impacting the global community today. Students should be prepared to discuss these issues with maturity and an understanding of diverse views. Project-based learning is a component of the course.

Yearbook Production A**Grade: 10-12****Credit: 1 unit**

Prerequisite: 85 average in English required and teacher recommendation

The course teaches basic yearbook production skills while producing the school annual. Students will learn publication skills of writing, photography, layout and design, graphic design,

advertising, and journalistic ethics. To enroll for the course students need to have good writing skills and computer knowledge.

Yearbook Production B

Grade: 10-12

Credit: 1 unit

Prerequisite: 85 average in English required and teacher recommendation

This course is a continuation of Yearbook Production A. Yearbook B is only offered second semester.

Journalism I & II

Grade: 10-12

Credit: 1 unit*

Prerequisite: Strong writing ability and teacher recommendation, 85 average in English required.

Journalism I is an introductory course that includes the history and study of various media. Emphasis is on journalistic principles, writing, editing, and publication of the school newspaper. Students will develop skills in writing feature stories, reporting, and photography. Journalism II students must have completed the first course in order to receive this classification. Journalism II students will work in the same classroom as Journalism I, but have different and more complex assignments and responsibilities. Computer skills are needed and students are taught to use editing programs that are consistent with print journalism.

Creative Writing

Grade: 11-12

Credit: 1 unit

Creative writing provides students with opportunities to develop their literary talents. This course includes a study of varied forms of fiction, nonfiction, and poetry and gives students the experience to write creatively in different genres. There will be presentations of work in the form of web posting, sharing in class, and contributing to publications on a class blog. Students will keep a portfolio with all of their work (rough drafts, final drafts, class work, etc.) and will be encouraged to submit finished pieces to journals, magazines, online poetry websites, and contests.

OCCUPATIONAL COURSE OF STUDY

Occupational English I

Grade: 9

Credit: 1 unit

Prerequisite: None

Students in Occupational English I explore and examine a variety of communication modes and the importance each plays in daily living and employment settings. They apply reading and writing strategies to interpret and express factual, functional information. They use oral language strategies to communicate effectively in both formal and informal situations.

Occupational English II

Grade: 10

Credit: 1 unit

Prerequisite: Occupational English I

Students in Occupational English II analyze and employ effective communication strategies in both daily living and employment settings. They use standard rules of convention and syntax to give and request information. They read and comprehend a variety of functional texts.

Occupational English III

Grade: 11

Credit: 1 unit

Prerequisite: Occupational English II

Students in Occupational English III read, write, and orally express information required in a variety of daily living and employment settings. They identify main concepts and supporting information from print and non-print material. They examine the speaking skills expected in a variety of settings and demonstrate effective oral communication in each.

Occupational English IV

Grade: 12

Credit: 1 unit

Prerequisite: Occupational English III

Students in Occupational English IV integrate oral, written and visual skills to communicate effectively in a variety of daily living and employment situations. They use written communication for explanatory, argumentative, self-advocacy, and social purposes. They employ visual communication skills to locate and research information.

OCS Introduction to Mathematics

Grade: 9-10

Credit: 1 unit

Prerequisite: None

This course continues the study of mathematical computations, financial management, time and measurement, independent living and technology. Students will acquire these skills through hands-on approaches and cooperative learning within the classroom and community.

OCS Common Core Math I

Grade: 10-11

Credit: 1 unit

Prerequisite: OCS Introduction to Mathematics

OCS Common Core Math I continues from OCS Introduction to Mathematics the study of computation and the application of these skills for independent living and successful employment. More emphasis is placed on application and problem solving in the areas of

financial management, reading and interpreting schedules, time and measurement and independent living using technology, hands-on approaches and cooperative learning.

OCS Financial Management

Grade: 11-12

Credit: 1 unit

Prerequisite: OCS Common Core Math I

OCS Financial Management” emphasizes the application of skills previously learned. In this course students demonstrate application of the skills in the community and places of employment.

OCS Applied Science

Grade: 9-11

Credit: 1 unit

Prerequisite: None

This course is designed to provide students with the knowledge necessary to practice safety in all areas of life and maintain a healthy lifestyle. Students will also receive instruction in the provision of first aid and accessing medical care. Students will have opportunities to apply skills in the area of healthy living and safety to various situations within the home, community and workplace.

OCS Biology

Grade: 10-12

Credit: 1 unit

Prerequisite: OCS Applied Science

Students will develop basic functional knowledge of science concepts in the areas of earth science, environmental science and physical science. Students will also develop skills in the area of healthy relationships. Students will have the opportunity to apply the science-based concepts to daily living situations at home, in the community and the workplace.

OCS American History I

Grade: 11

Credit: 1 unit

Prerequisite: None

This course is designed to provide the student with the basic economic, government and political knowledge they need to become responsible citizens and consumers. It covers the historical background of the development of the United States, including the Constitution and amendments and the three branches of government and major laws that affect citizens. The course also covers state and local government roles and jurisdictions and issues of personal citizenship.

OCS American History II

Grade: 11-12

Credit: 1 unit

Prerequisite: OCS American History I

This course is designed to provide the student a more in-depth study of how to be a productive citizen. The course covers individual rights, voting procedures, citizenship, etc. Local, state and national government roles and issues are studied.

Occupational Preparation I

Grade: 9

Credit: 1 unit

Prerequisite: None

This course is designed to introduce students to the fundamental attitudes, behaviors, and habits needed to obtain and maintain employment in their career choice 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 be involved in on-campus vocational training activities such as school factories, work-based enterprises, hands-on vocational training in Workforce Development Education courses and the operation of small businesses. Formal career planning and development of knowledge regarding transition planning begins in this course and continues throughout the strand of Occupational Preparation courses.

Occupational Preparation II

Grade: 10

Credit: 1 unit

Prerequisite: Occupational Preparation I

This course is designed to allow students 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 on-campus jobs and work-based learning activities. Job seeking skills also will be refined.

Occupational Preparation III

Grade: 11

Credit: 1 unit

Prerequisite: Occupational Preparation II

This course is designed to allow students to continue the development and begin the application of skills learned in Occupational Preparation I and II. Work-based learning activities are provided including community-based training, job shadowing, job sampling, internships, situational assessment, cooperative education, and apprenticeships. These work-based activities allow students to apply employability skills to competitive employment settings and demonstrate the effectiveness of their work personality. Multiple opportunities for leadership development and self-determination are provided.

Occupational Preparation IV

Grade: 12

Credit: 1 unit

Prerequisite: Occupational Preparation III

This course gives students the opportunity to synthesize all the skills acquired in previous Occupational Preparation courses and apply them to their personal career choice. This course allows students to solve work-related problems experienced in competitive employment, practice self-advocacy skills and master the theoretical and practical aspects of their career choice. Students finish completing the 360 hours of integrated competitive employment in a community setting required for successful completion of the Occupational Course of Study. Students also will develop a job placement portfolio that provides an educational and vocational record of their high school experience.

