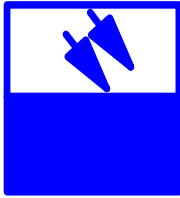


In this course students will:

- understand the relevance of current topics in physical science;
- understand sound, light, and heat;
- understand basic principles of chemistry;
- develop an understanding of electricity and magnetism; and
- develop an understanding of energy.



### Chemistry and Physics

All the of the county's high schools offer Chemistry and Physics classes.

### Earth/Environmental Science

The Earth/Environmental Science curriculum focuses on the function of the earth's systems. Emphasis is placed on matter, energy, crustal dynamics, environmental awareness, materials availability, and the cycles that circulate energy and material through the earth system.

## Social Studies

Three units are required for graduation.

Required courses are World History, Civics and Economics, and United States History.

**World History** - World History at the ninth grade level is a survey course that gives students the opportunity to explore recurring themes of human experience common to civilizations around the globe from ancient to contemporary times. An historical approach will be the center of the course. 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. As students examine the historical roots of significant events, ideas, movements, and phenomena, they encounter the contributions and patterns of living in civilizations around the world. Students broaden their historical perspectives as they explore ways societies have dealt with continuity and change, exemplified by issues such as war and peace, internal stability and strife, and the development of institutions. To become informed citizens, students require knowledge of the civilizations that have shaped the development of the United States. World History

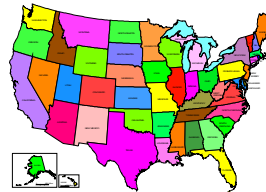
provides the foundation that enables students to acquire this knowledge which will be used in the study of Civics and Economics and United States History.

**Civics and Economics** - Through the study of Civics and Economics, students will acquire the skills and knowledge necessary to become responsible and effective citizens in an interdependent world. Students will need a practical understanding of these systems of civics and economics that affect their lives as consumers and citizens. Furthermore, this course serves as a foundation for United States History. It is recommended that this tenth grade course, Civics and Economics, directly precede the 11th grade United States History survey course to maintain continuity and build historical perspective. As informed decision-makers, students will apply acquired knowledge to real life experiences. When studying the legal and political systems, students will become aware of their rights and responsibilities and put this information into practice. The economic, legal and political systems are balanced for presentation and, like other social studies subjects, this course lends itself to interdisciplinary teaching. The goals and objectives are drawn from disciplines of political science, history, economics, geography and jurisprudence. Students take a state test at the end of this course

### United States History

The study of United States History in the 11th grade is designed as a survey course and a continuation of the Civics and Economics curriculum. After the study of Civics and Economics, this survey course will begin with the national period and the administration of George Washington. Throughout the competency goals, there will be some overlap of time periods to allow for teacher flexibility and to address the complexity of the issues and events. The overall curriculum continues to current times.

The focus of this course provides students with a framework for studying political, social, economic, and cultural issues, and for analyzing the impact these issues have had on American society. This course goes beyond memorization of isolated facts



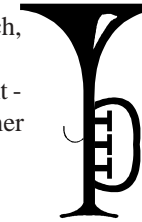
to the development of higher level thinking skills, encouraging students to make historical assessments and evaluations. Students take a state test at the end of this course.

## Healthful Living

Health/Physical Education I will be taken by ninth grade students. This course has as its foundation learning experiences that are designed to help each individual develop proactive health promotion behaviors. This course is required for graduation.

## Electives

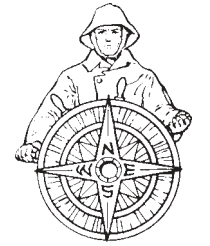
Students may select from a variety of electives to fulfill graduation requirements. Courses offered include: foreign language - French, Latin, and Spanish; cultural arts - band, choral music, art; workforce development - agriculture, business, family and consumer living, health occupations, technical and industrial trades, technology, and internships; college credit courses; and Advanced Placement courses. Elective courses are also offered in all academic content areas. Fourteen units of electives are required for graduation. College/University Prep students must take 2 units of foreign language.



**Carteret County  
Public School System  
107 Safrit Drive  
Beaufort, NC 28516  
phone - 252-728-4583**

**[www.carteretcountyschools.org](http://www.carteretcountyschools.org)  
Click on Curriculum/Instruction to find the  
NC Standard Course of Study**

**2008-2009**



*East Carteret  
High School*



*Croatan  
High School*



*West Carteret  
High School*

# ABCs of Curriculum in Carteret County Public High Schools 2008-2009

**Carteret County  
Public School System**

## A Message to Parents/Guardians:

This brochure describes the courses required for graduation by the Carteret County Board of Education and the State Board of Education. In addition to courses required for graduation, there are descriptions of courses with End-of-Course tests required by the State. Other courses required for graduation (electives) are available in foreign language, cultural arts, vocational and technical education, college and community college credit courses, and other subjects. Also included in this brochure are the current graduation requirements. High schools are on a 90-minute block schedule, offering students the opportunity to take four courses each semester. During the four years of high school, students may take 32 courses.

Complete information on the course of study and course listings can be found under "curriculum" at [www.carteretcountyschools.org](http://www.carteretcountyschools.org).

## Requirements for Graduation

Students select one of two Course of Study options in high school: College/University Prep Course of Study or College/Technical Prep Course of Study. Depending on the Course of Study the required courses for graduation are as follows:

4 units in English (English I, II, III, IV)

4 units in Mathematics (Algebra I, geometry, Algebra II plus one unit beyond Algebra II for College/University Prep; 3 units for Tech Prep

3 units in Science (Biology, a Physical Science, and Earth/Environmental Science)

3 units in Social Studies (World History Studies, Civics & Economics, and U.S. History)

1 unit in Health and Physical Education

14 units in elective courses (2 foreign language for College/University Prep, 4 selected career pathway course for College/Tech Prep)

All 28 units must be earned as a high school student. In addition to earning the required units, generally students will be required to meet state mathematics and reading competency requirements, and state



computer skills requirements. It is possible for students to graduate from high school in less than four years. Students can complete the required 28 courses in 3 1/2 years. Beginning with the Class of 2009-2010, all students will be required to complete a Graduation Project for graduation by the end of their senior year.

## Types of Diplomas

The Carteret County Public School System awards three types of diplomas: a College/University Prep, a College/Tech Prep, and an Occupational. Students are encouraged to take the most challenging course of study. Parents should meet with school officials semi-annually to discuss courses of study. Parents and students should review the requirements for each diploma as specified in the Carteret County Public School System High School Course of Study 2007-2008 booklet. That booklet is available in school offices or online at [www.carteretcountyschools.org](http://www.carteretcountyschools.org) under the Curriculum/Instruction section.

## English Language Arts

High school English Language Arts courses teach students the language skills needed to communicate effectively as individuals and as members of society. Students will develop the language skills necessary to function in society as self-directed learners, collaborative workers, and complex thinkers. Specific novels and drama selections are required in each grade. Four units of English are required for graduation.

**English I** - English I concentrates on developing skills in reading, writing, listening, thinking, speaking, and using media and technology. The freshman year is a culmination of basic grammar skills learned in early grades. Students continue work on expository writing and are introduced to literature through short stories, poetry, drama, nonfiction, and novels. Students in



English I are required to take a State English test.

**English II, III, and IV** - These courses, required for graduation, follow English I and expand on the skills that are crucial for a fulfilling cultural life and for economic productivity. The literature focus in each course is: English II - world; English III - American; English IV - British. Grade 10 students take a state Writing test.

## Mathematics

Four units of mathematics are required for a College/University Prep diploma and three units of mathematics are required for a College/Tech Prep diploma. Algebra I is required for all students.

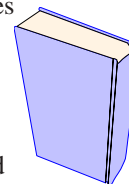
Appropriate technology, from manipulatives to calculators to graphics software, is used for instruction and assessment.

**Algebra I** - Algebra I continues the study of algebraic concepts including operations with real numbers and polynomials, relations and functions, creation and application of linear functions and relations, and an introduction to nonlinear functions. This course is required for graduation. Students are required to take a State End-of-Course test. In the course students:

- perform operations with real numbers and polynomials to solve problems;
- solve problems in a geometric context;
- graph and use relations and functions to solve problems; and
- collect and interpret data to solve problems.

**Geometry** - Geometry continues students' study of geometric concepts building upon middle school topics. Students will move from an inductive approach to deductive methods of proof in their study of geometric figures. Two- and three-dimensional reasoning skills will be emphasized and students will broaden their use of the coordinate plane. Students are required to take a State End-of-Course test. In this course students will:

- perform operations with real numbers to solve problems in a geometric context;
- use properties of geometric figures to solve problems and write proofs; and
- solve problems with geometric figures in the coordinate plane.



**Algebra II** - Algebra II continues students' study of advanced algebraic concepts including functions, polynomials, rational expressions, complex numbers, systems of equations and inequalities, and matrices. Emphasis is placed on practical applications and modeling. Students are required to take a State End-of-Course test. In this course students will:

- perform operations with numbers and polynomials to solve problems;
- use relations and functions to solve problems;
- describe geometric figures algebraically in the coordinate plane;
- collect, organize, and interpret data with functions of best-fit; and
- use matrices to solve problems.

**Math Beyond Algebra II** - For students in College/University Prep, a fourth unit of math beyond Algebra II is required.

## Science

Three units of science are required for graduation: biology, a physical science, and earth/environmental science. Appropriate technology is used for instruction and assessment.

**Biology** - Biology is the study of life processes from the cellular to the multicellular level. Particular emphasis is placed on man and his relationship with the environment through laboratory experiments and research. This course is required for graduation. Students are required to take a State

End-of-Course test. In this course students will develop an understanding of:

- continuity of life and the changes of organisms over time;
- the unity and diversity of life;
- ecological relationships among organisms; and
- the behavior of organisms, resulting from a combination of heredity and environment.

**Physical Science** - Physical Science is the introduction to chemistry and physics explaining the concepts and principles of matter and energy. Students will demonstrate a basic knowledge of the physical sciences, of the scientific method of problem solving, and of laboratory procedures, equipment, and safety. Students are required to take a State End-of-Course test.

