SCIENCE

EARTH SCIENCE/ENVIRONMENTAL SCIENCE - 35012X0 1 CREDIT
EARTH SCIENCE/ENVIRONMENTAL SCIENCE HONORS - 35015X0 1 CREDIT
Students are provided an in-depth study of the earth processes including plate tectonics, rock and mineral formation, and landforms. The course focuses on inquiry into the functions of the earth's systems. Emphasis is placed on matter, energy, coastal dynamics, environmental awareness, materials availability, and the cycles that circulate energy and material through the earth systems. Laboratory work is a major component of the course.

BIOLOGY 33202X0 -1 CREDIT
This course is designed to develop student understanding of biological concepts and principles and promote an understanding of plant and animal processes from the cellular to the multi-cellular level. Laboratory work is an important part of each phase of the course. The final exam is the North Carolina Biology End- of-Course Test.

BIOLOGY HONORS - 33205X0 1 CREDIT
Content and principles for biology are taught but in greater depth and magnitude. Students do extensive research, independent study, and laboratory investigations. This course is designed for students who have shown superior achievement and high interest in previous science courses. The final exam is the North Carolina Biology End-of-Course Test.

CHEMISTRY 34202X0 - 1 CREDIT
CHEMISTRY HONORS - 34205X0 1 CREDIT
Recommended prerequisite(s): NC Math 3 or concurrent enrollment in NC Math 3
Chemistry is the study of the composition and properties of matter. It introduces the theories concerning the structure of matter and includes mathematical problems that illustrate these theories. Concepts and principles of chemistry are presented in great depth and at a rapid pace. Theoretical and mathematical relationships in chemistry are studied. Students perform extensive research, independent study, and laboratory work. Laboratory experiences and demonstrations are integral parts of this course.

ADVANCED PLACEMENT ENVIRONMENTAL SCIENCE - 3A027X0 1 CREDIT
Recommended prerequisites: Successful completion of two years of high school laboratory science
The AP Environmental Science course is designed to be the equivalent of an introductory college course in environmental science. The goal of the AP Environmental Science course is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate risks associated with these problems, and to examine alternative solutions for resolving and/or preventing them. It is expected that students enrolled in this course will take the College Board Advanced Placement Test.

The following are offered as 10th grade electives

ANATOMY AND PHYSIOLOGY 33302X0 1 CREDIT
Recommended prerequisite(s): Biology
This course provides the student with a general study of the structure of the human body and a detailed study of the functions of the body systems. Laboratory work includes anatomical studies of mammals such as fetal pigs and cats.
ANATOMY AND PHYSIOLOGY HONORS - 33305X0 1 CREDIT
Recommended prerequisite(s): Chemistry or Honors Chemistry is strongly recommended
This course is designed for the student with a strong background and interest in biology. A detailed study of the human body, including gross structure of the body and physiology, provides the framework of the course. Students are provided more extensive laboratory experiences and independent research than students enrolled in Anatomy and Physiology.