

Science Courses and Electives:

Content Area- Science		
Course Title- Earth Science		
Grade Level- 9	Credits- 1	Pre-requisites- None
Course Description: Earth Science: Course content includes earth's crust, atmosphere, the earth's crust, earth's history, the universe, meteorology, and the oceans. Understanding of the language of sciences as it pertains to the hydrosphere, lithosphere, and the atmosphere. Students are expected to hand in written reports as mandated to meet state requirements. The final examination will be a Regents exam.		

Content Area- Science		
Course Title- Biology		
Grade Level- 10-12	Credits- 1	Pre-requisites- None
Course Description: Biology: This course is an advanced class designed to prepare students for a college orientated program of studies. The class includes the study of plant and animal structure and function, as well as concentration in human biology. Each area of study is tied in with labs that connect important ideas learned during class time. 1200 minutes of lab time must be successfully completed during the academic year in order for the student to be eligible for the final Regents exam. In addition, successful lab reports for all labs that are done must also be handed into the student's teacher for evaluation.		

Content Area- Science		
Course Title- Chemistry		
Grade Level- 10-12	Credits- 1	Pre-requisites- None
Course Description:		
<p>Chemistry: This is a modern regent's course that emphasizes unifying principles of chemistry and related concepts. Units include: classifications of matter, particle nature of matter, chemical and physical changes, stoichiometry and the mole, energy and change, kinetics and equilibrium, acids and bases, descriptive chemistry, and organic chemistry. Students will be expected to complete lab requirements.</p>		

Content Area- Science		
Course Title- Physics		
Grade Level- 10-12	Credits- 1	Pre-requisites- None
Course Description:		
<p>Physics: This is a modern regent's course with major emphasis on fundamental concepts. Units include: problem solving, force, motion, energy, physical waves, electricity, magnetic fields, and atomic physics. Students will be expected to meet lab requirements.</p>		

Content Area- Science		
Course Title- Environmental Science		
Grade Level- 9-12	Credits- 1	Pre-requisites- None
Course Description:		
<p>Environmental Science: This course is designed to encourage students to take an educated approach in deciding on the environmental problems of the world today. Environmental science relies on many other sciences for an understanding of the enforcement and how people function within it. The course is somewhat individualized and expectations are based upon the potential of the particular student as evaluated by their teacher. Participation in class discussion is important. Students are introduced not only to the science of environmental education but also to the demographics, economics, and politics that are involved in understanding the problems and possibly solutions. Specifically, areas of forestry, aquatics, soils, and wildlife will be studied.</p>		