
SCIENCE COURSES

Physical Science - CP

321101CW

Grade: 9

Prerequisite: Teacher Recommendation

This course is designed to provide a background for enrollment in Chemistry, Physics, and Physics for the Technologies. Students will spend nine weeks studying basic chemistry: the composition of matter, how elements behave, and how elements combine to form new substances. The second nine weeks introduces topics in basic physics including the laws of motion, work and machines, and some of the different forms of energy. This course develops laboratory skills and problem solving skills.

Physical Science - Honors

321100HW

Grade: 9

Prerequisite: Teacher Recommendation, Algebra I, A in 8th Grade Science

This honors level course is designed to introduce the basic scientific concepts of chemistry and physics needed for further study in the sciences. The course will challenge students to use higher level thinking skills and problem solving through laboratory investigations and data analysis. Chemistry topics include composition of matter and how elements behave and combine to form new substances. Physics topics include laws of motion, work and machines, and energy.

Biology I - CP

322100CW

Grade: 10

Prerequisite: C or above in Physical Science CP, A in Physical Science

In this course, the student explores areas of cellular biology, genetics, ecology and evolution. The course may include dissections as well as other laboratory exercises. Projects are required. Students are required to take an End-of-Course exam provided by the SC State Department of Education. This exam counts 20 percent of the student's final grade.

Biology I - Honors

322100HW

Grade: 10

Pre-requisites: Teacher Recommendation, A in Physical Science CP and Algebra I, C or better in Physical Science H

This course is a rigorous college preparatory biology class for highly motivated students who have demonstrated excellent study skills and high aptitude in science, math and/or English. The course will cover basic chemistry, cellular biology, genetics, evolution, classification, and inquiry skills in greater depth than Biology CP. The course will emphasize critical thinking and writing skills, laboratory skills, calculating data, graphing and essay exam questions. Students planning on enrolling in AP Biology or AP Chemistry should take this course. Students are required to take an End-of-Course exam provided by the SC State Department of Education. This exam counts 20 percent of the student's final grade.

Chemistry 1 - CP

323100CW

Grade: 11, 12

Prerequisite: Teacher Recommendation, CP or Honors Physical Science and Biology, have completed or must be eligible to take Algebra 2.

Chemistry 1 is a college preparatory course designed to provide the college bound student with a well-rounded background in chemistry. The course seeks to help the student develop fundamental problem solving skills and provides the student with knowledge of chemistry and its effects on their daily lives. The student will be exposed to basic chemistry concepts, will learn how to use standard chemistry lab equipment, and will develop skills needed to enter a first year college chemistry course.