

SCIENCE

Note: Three credits are required for graduation
ALL HONORS SCIENCE COURSES will be required to do science fair projects.

BIOLOGY I

Course #: 2000310
Grade Offered: 10
Course Length: One year
Prerequisite: Teacher recommendation

The contents of this course include scientific method, scientific measurement, laboratory safety and use of apparatus, cell biology, cell reproduction, basic principles of genetics, biological changes through time, classification and taxonomy, microbiology, structure and function of animals, structure and function of the human body, and ecological relationships.

BIOLOGY I HONORS

Course #: 2000320
Grade Offered: 10
Course Length: One year
Prerequisite: "A" or "B" in Earth Science Honors and teacher approval

The contents of this course includes scientific method, scientific measurement, laboratory safety and use of laboratory apparatus, biochemistry, cell biology, cell reproduction, genetics, biological changes through time, classification and taxonomy, microorganisms and disease, structure and function of animals, human anatomy and physiology, and ecological relationships. **Note: Laboratory investigations are an integral part of this course. Requires extensive self-motivation and commitment of time.**

BIOLOGY II

Course #: 2000330
Grade Offered: 10, 11, & 12
Course Length: One year
Prerequisite: Teacher recommendation

The contents of this course include scientific method, scientific measurement, laboratory safety and use of apparatus, cell biology, cell reproduction, basic principles of genetics, biological changes through time, classification and taxonomy, microbiology, structure and function of animals, structure and function of the human body, and ecological relationships.

ANATOMY & PHYSIOLOGY

Course #: 2000350
Grade Offered: 10, 11, & 12
Course Length: One year
Prerequisite: "C" in Biology I Honors or "C" or better in Biology I
(Course may be substituted for Health Science I)

Course provides students with general exploratory and advanced activities in the structures and function of the components of the human body. Content should include human biological terminology, cells, tissues, organ and body systems including health related issues. **Note: There is dissection of assorted organs.**

ANATOMY & PHYSIOLOGY HONORS

Course #: 2000360
Grade Offered: 10, 11, & 12
Course Length: One year
Prerequisite: "B" or better in Biology I Honors

The contents of this course shall include, cellular processes and tissues, the skeletal, muscular, nervous, cardiovascular, respiratory, digestive, urinary and reproductive systems, and special sense. Laboratory investigations, apparatus and safety are an integral part of the course. **Note: There will also be dissection of organs.**

EARTH SPACE SCIENCE

Course #: 2001310
Grade Offered: 9, 10, 11, & 12
Course Length: One year
Prerequisite: Teacher recommendation

The contents of this course should include formation of the universe and solar system, and US manned space program.

EARTH SPACE SCIENCE HONORS

Course #: 2001320
Grade Offered: 9, 10, 11, & 12
Course Length: One year
Prerequisite: "B" or better average in 8th grade science and teacher recommendation.

The purpose of the course is to develop comprehensive concepts basic to the earth, its materials, processes, history and environment in space.

ENVIRONMENTAL SCIENCE

Course #: 2001340
Grade Offered: 9, 10, 11, & 12
Course Length: One year
Prerequisite: Teacher recommendation

The contents of this course should include study of humankind's interaction with the environment, and the study of environmental ecosystems.

PHYSICS HONORS

Course #: 2003390
Grade Offered: 11 & 12
Course Length: One year
Prerequisite: "B" or better in Algebra II and Teacher Recommendation

This course provides students an introductory study of the theories and laws governing the interaction of matter, energy, and the forces of nature.

CHEMISTRY I

Course #: 2003340
Grade Offered: 10, 11, & 12
Course Length: One year
Prerequisite: "B" in Algebra I and teacher recommendation

This course provides students with the study of the composition, properties, and changes associated with matter. **Note: Requires extensive self-motivation and commitment of time.**

CHEMISTRY I HONORS

Course #: 2003350
Grade Offered: 10, 11, & 12
Course Length: One year
Prerequisite: "B" in Algebra I Honors and teacher recommendation (Algebra II is highly recommended)

This is an advanced study of the composition, properties, and changes associated with matter.

SCIENCE: 9-12

Course #: 7920010
Grade Offered: 9, 10, 11, & 12
Course Length: One year
Prerequisite: None

The purpose of this course is to provide a general knowledge of the concepts of life science, physical science, and earth science to enable students with disabilities to function at their highest levels and prepare to participate effectively in post-school adult living and the world of work.