

SCIENCE

SC04 Chem-Physics Foundations **PS**
1.0 Cr. **1 Year**

Chem-Physics Foundations is a laboratory-credit course that integrates algebra, chemistry, physics and earth science fundamentals. This class is strongly recommended as a foundation course for biology, chemistry, and physics. [Board Adopted 1999]

Prerequisites: None
Homework: Moderate
Degree of Difficulty: Average
Grade Levels: 9

SC24 Honors Chem-Physics Foundations* **PS**
1.0 Cr. **1 Year**

Honors Chem-Physics Foundations is a laboratory-credit course that integrates algebra, chemistry, physics and earth science fundamentals. This class is strongly recommended as a foundation course for biology, chemistry and physics. This honors' curriculum further extends the concepts covered to include more complex analyses and ideas. [Board Adopted 1999]

Prerequisites: Placement by district guidelines
Homework: Moderate to high
Degree of Difficulty: High
Grade Levels: 9TH Only

SC29 Physical World **PS**
1.0 Cr. **1 Year**

Physical World is designed primarily for meeting the minimal high school laboratory science requirement for graduation but is not considered adequate for college entrance. This class gives the student an exposure to physical science concepts and how they are applied to everyday life. [Board Adopted 1999]

Prerequisites: Limited to students in Math Standards 1-2
Homework: Minimal
Degree of Difficulty: Low
Grade Levels: 9

SC07 Biology 1-2 **LS**
1.0 Cr. **1 Year**

This course is designed for sophomore level students and carries laboratory credit. Topics include genetics, ecology, evolution, human biology, plant and animal kingdoms, and microbiology or physics. [Board Adopted 1999]

Prerequisites: Chem-Physics recommended
Homework: Moderate to High
Degree of Difficulty: Average
Grade Levels: 10, 11, 12

SC13 Honors Biology 1-2* **LS**
1.0 Cr. **1 Year**

This course is designed as an exploratory biology course with the express purpose of exposing outstanding students to scientific concepts and principles in the area of living organisms. This course carries a lab science credit. An in-depth study of traditional biology topics will be supplemented with research projects and open-ended labs. [Board Adopted 1999]

Prerequisites: Placement by district guidelines, Honors Chem.-Physics is strongly recommended
Homework: Extensive
Degree of Difficulty: High
Grade Levels: 10, 11

SC05 Living World **LS**
1.0 Cr. **1 Year**

Living world is designed primarily for meeting the minimal high school laboratory science requirement for graduation but is not considered adequate for college entrance. This class gives the student an exposure to biological principles and how they are applied to everyday life. [Board Adopted 1999]

Prerequisites: Limited to students in Math Standards 3-4
Homework: Minimal
Degree of Difficulty: Low
Grade Levels: 10

SC23 Earth Science **PS**
1.0 Cr. **1 Year**

Earth Science is designed for those students who have taken Chem-Physics and Biology and wish to further their study of the physical sciences. Earth Science meets the laboratory science requirement for graduation and college entrance. The student will study astronomy, geology, meteorology and oceanography. [Board Adopted 1999]

Prerequisites: Completion of any lab science course with a grade of "C" or better
Homework: Moderate
Degree of Difficulty: Average
Grade Levels: 10, 11, 12

SC08 Chemistry 1-2 **PS**
1.0 Cr. **1 Year**

Chemistry is the study of the structure and composition of matter that make up living things and their environment. Chemistry also deals with the study of the changes of matter and the mechanisms by which changes occur. This course is recommended for college-bound students. [Board Adopted 1999]

Prerequisites: Successful completion of Algebra 1-2, Chem-Physics is strongly recommended.
Homework: Moderate to heavy
Degree of Difficulty: Average to high
Grade Levels: 10, 11, 12

SC15 Honors Chemistry* **PS**
1.0 Cr. **1 Year**

Honors Chemistry is a lab-oriented course that covers the same topics as Chemistry 1-2. Emphasis is placed on a more in-depth study of chemical topics and involves a more rigorous and mathematically-oriented study than Chemistry 1-2. Opportunities for individualization and creative expression will be provided. [Board Adopted 1999]

Prerequisites: Placement by district guidelines, Honors Chem-Physics is strongly recommended and concurrent enrollment in Algebra 3-4 or above.
Homework: Extensive (Rio Credit)
Degree of Difficulty: High
Grade Levels: 10, 11, 12

SC9 Physics 1-2 **PS**
1.0 Cr. **1 Year**

This course is primarily designed for college bound students and carries lab science credit. Areas to be investigated include measurement, mechanics, heat, wave motion, and electro-magnetism. This course is recommended for college-bound students.

Prerequisites: Concurrent enrollment in Algebra 3-4 or higher.
Homework: Moderate to heavy
Degree of Difficulty: Average/High
Grade Levels: 11, 12

SC16 Honors Physics 1-2* **PS**
1.0 Cr. **1 Year**

A rigorous presentation of classical and modern physics covering topics such as kinematics, dynamics, electricity, optic, quantum theory, and relativity with emphasis on integration of algebra, geometry, and trigonometry. Individualized instruction through the use of research projects and computer experiences will be an integral part of this course.

Prerequisites: Completion of Algebra 3-4 with 'A' or 'B', placement by district guideline. Honors Chem-Physics and Honors Biology is strongly recommended.
Homework: Extensive
Degree of Difficulty: High
Grade Levels: 11, 12

SC01 Human Anatomy and Physiology **LS**
1.0 Cr. **1 Year**

This course is designed for those students who have taken biology and who wish to further their study of biology. The student will study the structure and function of the various cells, tissues, and integrated systems of the body. The course is designed to lay the ground work then move into various human systems. The microscope, skeleton, and preserved materials will be used extensively.

Prerequisites: Biology 1-2 (grade of 'A' or 'B') or teacher recommendation
Homework: Moderate to High
Degree of Difficulty: Average/High
Grade Levels: 11, 12