



**COURSE DESCRIPTIONS
SCIENCE**

Health **HE100** **Grade 9** **Semester**
 Required of all 9th grade students.
 This course provides instruction in the basic areas of health. Emphasis is placed on nutrition, human sexuality, disease, fitness, safety, drugs, alcohol and tobacco.

Earth Science **SC404** **Grade 9** **Year**
SDAIE Earth Science **SC404S**
 This is a high school graduation requirement for the Azusa Unified School District. This course will cover geology, oceanography, meteorology and basic earth formations. **Required of all freshmen.** (Earth Science will be waived if a student successfully completes Biology and Chemistry).

Astronomy **SC424** **Grades 10-12** **Year**
 This course is a detailed study on the historical development of astronomy, the structure and origin of planets and stars, and the origin and structure of the universe. This is an elective that meets the physical science requirement for graduation.

Biology **SC411** **Grades 9-12** **Year**
PL Biology **SC411P**
SDAIE Biology **SC411S**
 Prerequisite: Concurrent enrollment in Algebra I and recommendation of current science teacher.
 Biology is a college-preparatory laboratory science in the life science field and a critical study of all major groups of living organisms and their relationship to man and each other. This course meets the Life Science graduation requirement and the University of California and California State University science entrance requirements.

Honors Biology **SC411H** **Grades 9-12** **Year**
 Prerequisite: Concurrent enrollment in Geometry and recommendation of current science teacher.
 The curriculum in this course is more rigorous than the regular Biology class and is designed to prepare students for Advance Placement courses. This course meets the Life Science graduation requirement and the University of California and the California State University laboratory science entrance requirements.

AP Biology **SC414H** **Grades 11-12** **Year**
 Prerequisite: All students are required to fill out an application along with the teacher recommendation before consideration.
 AP Biology is designed to be taken by students after successful completion of a first course in high school biology and one of high school chemistry. This course meets the science graduation requirement and the University of California, California State University, entrance requirement as a lab science. Students who take this course are strongly advised to take the College Board AP Biology exam at an approximate cost of \$86.00. For students eligible for fee waiver the cost of the test is \$5.00.

Chemistry **SC415** **Grades 10-12** **Year**
 Prerequisite: A "C" average or above in academic classes, including concurrent enrollment or completion of Algebra II, or permission from the instructor.
 This is a college-preparatory laboratory science, which includes instruction in the structure of matter and the composition of substances, their transformation, analysis, synthesis and manufacture. This course is recommended for students interested in medicine, engineering or nursing. This course meets the Physical Science graduation requirement and the University of California and California State University science laboratory entrance requirement.

Honors Chemistry **SC415H** **Grades 10-12** **Year**

