

BIOLOGY I

2 semesters, 2 credits Grades 9-12

Prerequisites: none

Approximate Fee: \$20.00 per semester

A CORE 40, AHD and NCAA Course

Biology I is a survey of the structures and functions of living things and their interactions with and within their environment. Through regular laboratory and field investigations, students will recognize that organisms are made of cells which are composed of the same materials and limited by the same physical laws as all other matter. Students will relate these discoveries to the functions of cells, tissues, organs, and systems within various species of organisms. Students will also discuss the roles of organisms within populations, communities, and ecosystems of the biosphere. Students will reinforce these concepts through review of the history and development of biological knowledge, the identification of biology in various careers, and the discussion of the role of biology in health and social issues.

BIOLOGY ADVANCED PLACEMENT(L)

2 semesters, 2 credits,

Prerequisites: Biology I & Chemistry I

Approximate Fee: \$23.00 per semester

A CORE 40, AHD and NCAA Course

This course follows College Board Entrance Examination guidelines for Advanced Placement Biology. The students will gain a thorough understanding of the organization, function, and adaptation of organisms. Topics studied include biochemistry, cell physiology, genetics, bacteriology, botany, zoology, and ecology. College level lab exercises along with the Advanced Placement Labs are major components to emphasize learning the important biology themes for the course. All students may take the AP Biology Exam to qualify for college credit.