

# **Biology**

## **COURSE DESCRIPTION**

Biology is a state standards based laboratory course that studies living things from the microscopic to the macroscopic. The ultimate goal is to help students become scientifically literate citizens. Students will:

- Investigate the biochemical processes of life
- Explore life cycles, especially that of the cell
- Study the interaction of life with non-living things
- Investigate the human circulatory, digestive, and nervous systems; study human behavior, and physiology
- Examine the evidence for several theories explaining living systems: cell theory, germ theory, chromosomal theory, theory of genetics, and evolutionary theory
- Examine the dynamics of ecosystems, including: cycles, energy, trophic levels, populations, and human issues
- Conduct an original investigation

**Grades 9-10**

**Term/Credit:**

**Two semesters = 2 credits**

**Prerequisite:**

**Successful Completion of Environmental Foundations**