

Ninth Grade Science

## Biology I Course Description

***Philosophy Statement:*** The natural world was created by the word of God and reveals facets of the character and nature of God. Science is taught through problem solving, hands-on experiments, observation and conclusions. Science education should provide students with an understanding of the created world, creating a sense of awe and wonder concerning the creative God. Foundations of science understanding can be used for further study and academic preparation to equip students to compassionately care for people and wisely steward creation.

***Course Objective:*** Students will explore God's creation by analyzing the purposeful design and interrelatedness of the physical world.

***Resources/Textbook:***

- Holy Bible (NIV)
- Biology by Essensfeld, Gontang and Moore

***Materials:***

- Student Workbooks
- Various Teacher Workbooks
- National Institutes of Health Curriculum Supplements
- Delta Science Modules (Newton's Toolbox, Electrical Connections)

***Time Allotment:*** 50 minutes per day, 5 days per week, 2 semesters

***Course Content:***

- The Basis of Life
- Genetics
- Change and Diversity
- Monerans, Protists, and Fungi
- Plants
- Invertebrate Animals
- Vertebrate Animals
- Human Biology
- Organisms and the Environment

***Areas to be evaluated:***

Class participation, homework assignments and tests and quizzes.

***Additional Activities:***

Various hands-on activities throughout the units