

# Biology

**Text:** Apologia's Exploring Creation with Biology 2<sup>nd</sup> Edition and accompanying test booklet (ISBN 978-1-932012-54-5)

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**Course Objective:** This course is designed to be the student's first high school science course and is a college-prep biology course that provides a detailed introduction to the methods and concepts of general biology. Heavily emphasizing the vocabulary of biology, it provides the student with a strong background in the scientific method, the five-kingdom classification scheme, microscopy, biochemistry, cellular biology, molecular and Mendelian genetics, evolution, dissection, and ecosystems. It also provides a complete survey of the five kingdoms in Creation.

## Course Content:

Module #1: Biology—The Study of Life

Module #5: The Chemistry of Life

Module #6: The Cell

Module #7: Cellular Reproduction and DNA

Module #8: Mendelian Genetics

Module #9: Evolution—Part Scientific Theory, Part Unconfirmed Hypothesis

Module #10: Ecology

Module #11: The Invertebrates of Kingdom Animalia

Module #12: Phylum Arthropoda

Module #13: Phylum Chordata

Module #14: Kingdom Plantae—Anatomy and Classification

Module #15: Kingdom Plantae—Physiology and Reproduction

Module #16: Reptiles, Birds and Mammals

**Materials:** Each student will need a three-ringed binder with lined paper and 5 subject dividers. They will also need a writing utensil of their choice and a high lighter. These materials should be brought to class each day.

