

Biology 2024-2025

Overview

This is a study of life. We will be looking at the wonderful world God has created.

Class Time

Class may consist of a vocabulary quiz, lecture, and lab time. Students will learn how to use microscopes, prepare slides, write lab reports, and dissect. The minimum we will dissect is an earthworm, perch, crayfish, and frog. I will provide goggles, apron, and gloves. FYI We will not be covering topics in the order laid out in the book.

Homework

I will send home weekly assignments including, but not limited to, reading and questions to answer. It is important that students keep up with the reading assignments so they are prepared for class and labs.

Tests

Tests will need to be completed and graded at home. Keep in mind the parent is the official teacher on record.

Fees

There will be a one time \$40 lab fee.

Required Materials

- Apologia's *Exploring Creation with Biology*, 2nd Edition** by Wile and Durnell
- Apologia's Solutions and Tests for Exploring Creation with Biology, 2nd Edition** by Wile and Durnell

****Please note, this is not the most recent edition of the Biology text. You can find the text and solution/test manual on Ebay, Facebook marketplace, or other places where used textbooks are sold. Let me know if you need a textbook. I**

Topics covered

Module #1: Biology: The Study of Life

Module #2: Kingdom Monera

Module #3: Kingdom Protista

Module #4: Kingdom Fungi

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