

Biology with Labs

Instructor: Ruth Caldwell

Grade Level: 9-12

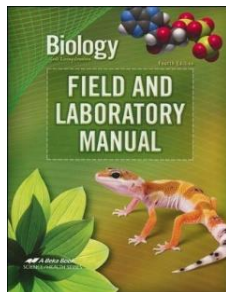
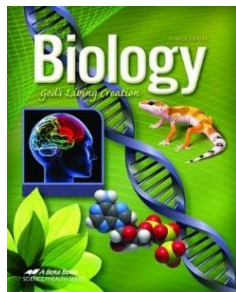
Tuition: \$330 (½ due and registration, other ½ due first day of class)

Credit: 1 Credit Hour

Prerequisites: None

Textbook: Abeka Biology: God's Living Creation 4th edition (ISBN: 978-0019777704) - **Required Purchase** (used or new is acceptable)

Lab Manual: Abeka Biology Field and Laboratory Manual 4th edition- **Required Purchase** (new required-used is acceptable only if it doesn't have writing. You will write in this book, so don't expect to reuse it.)



Additional Supplies: Spiral 3 subject for taking notes and for labs, colored pencils for labs

Where books can be found: I would suggest looking on eBay or Amazon first. You can also find them on the websites Rainbow Resource and Christian Book. Used copies can also be found at Cedar Springs Christian Bookstore off N. Peters Road.

Materials: All lab equipment will be provided by the teacher.

Average homework: 4-5 hours per week. There are questions at the end of each section and study guides at the end of the chapter. These will be required to be turned in online every week. Labs will be turned in at the end of class after each lab is finished. Tests will be done at home.

Class structure: We will have a lecture time to start the class. We will also do some worksheets in class that will build on lecture material. The end of class will be spent doing labs. There are 24 chapters in the book, so we will cover approx. 1 chapter/week. Some chapters will be assigned more time based on the difficulty of the subject covered. Short videos (that you will watch at home) will be assigned for many of the topics.

Course Description: Biology comes from the Greek words *bios* (life) and *-logy* (the study of); so we will be studying the living world as God created it. From a Christian perspective we will study plants, human anatomy, cells, bacteria, and zoology (animals). This will give the students a general understanding of these and other topics. We will be doing dissections of different animals as we study them in class. We will also be learning how to use the microscope and examining slides, inspecting plants and their parts, DNA extraction from peas, and others.