

Biology with Lab - Syllabus

Course Title: Biology

Grade Level: 9th–12th Grade

Instructor: Christine Fulmer

School Year: 2025-2026

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Scripture Theme for the Year

Genesis Chapter One

Course Description

This class was developed to awaken wonder in the world of Life. Discovering the intelligent design that was created from the invisible creation to the people around us. Utilizing Apologia's textbook and the bible as our guides to discover the microscopic wonder of atoms, germs and tiny living organisms to the beasts of the world.

Course Objectives

By the end of this course, students will be able to:

- Meet the biology requirement for high school graduation.
- Understand what a living organism is and where it is in the kingdoms.
- Use God's word to answer popular science arguments regarding creation.
- Have general lab and dissection knowledge.

Class Materials

- Textbook: Apologia's Biology
- Bible
- Notebook and Lab specimens and dissection tools included in fees.

Classroom Expectations

- Come prepared and on time.
- Respect others.
- Participate actively and thoughtfully.
- Uphold academic integrity, no AI

Course Structure

This is considered an Honors class (if your student would like to be graded on a standard level please contact me). We will have interactive lectures as we work through the modules in class. There will be homework to finish a module at home as well as some labs that will need to be done at home. We will have module homework as well as end of lesson tests. These will be used to help the student study for the quarterly exams. While we will be using these tests for part of the grade I am a huge supporter of knowing the information and asking questions along the way. Giving opportunities for extra credit assignments each quarter to keep their grades in the best standing possible.

Grading Breakdown

- Class Participation - 30%
Discussion
- Module Test/Homework - 10%
- Lab - 40%
Following Directions
Recorded Data
- Tests - 20%
4 Quarterly Tests

Grade

- 100-90% A
- 89-80% B
- 79-70% C
- 69-60% D
- 59% and below: F

Course Schedule

This course schedule will be followed loosely, as I believe understanding the concepts and assignments is more important than going through and checking off ALL the assignments. Homework will be given out a few weeks in advance (so you can study ahead if you have time).

August 21st - Introduction - Module One: The Science of Life
August 28th - Module One: The Microscope
September 4th - *Test* - Module Two: The Chemistry of Life
September 11th - Module Two: The Chemistry of Life
September 18th - Module Two: Chemistry of Life
September 25th - *Test* - Module Three: Ecology
October 2nd - Module Three: Ecology
October 9th - *Test* - Module Four: Cell Structure and Function
October 16th - Module Four: Cell Structure and Function
October 23th - Module Four: Cell Structure and Function - *Test*
October 30th - Quarterly Test One - Module Five: Cellular Energy
November 6th - Module Five: Cellular Energy
November 13th - *Test* - Module Six: DNA, Proteins and the Cell Cycle
November 20th - Module Six: DNA, Proteins and the Cell Cycle
December 4th - *Test* - Module Seven: Genetics
December 11th - Module Seven: Genetics - *Test*
Christmas Break
January 8th - Module Eight: Evolution
January 15th - Module Eight: Evolution - *Test*
January 22nd - Quarterly *Test* - Module Nine: Prokaryotes and Viruses
January 29th - Module Nine: Prokaryotes and Viruses
February 5th - *Test* - Module Ten: Protists and Fungi
February 12th - Module Ten: Protists and Fungi
February 19th - *Test* - Module Eleven: Plant Diversity and Reproduction
February 26th - Module Eleven: Plant Diversity and Reproduction
March 5th - *Test* - Module Twelve: Plant Structure and Function
March 12th - Module Twelve: Plant Structure and Function - *Test*
March 19th - Quarterly *Test* - Module Thirteen: Animals
March 26th - Module Thirteen: Animals
Easter Break
April 9th - *Test* - Module Fourteen: Animals
April 16th - Module Fourteen: Animals
April 23rd - *Test* - Module Fifteen: Animals
April 30th - Module Fifteen: Animals
May 7th - *Test* - Module Sixteen: Animals
May 14th - Module Sixteen: Animals - **Finals**