

BIOLOGY 1

Syllabus Fall 2023-spring 2024

Instructor: Mrs. Cristina Villalobos

Course Description: Biology is the study of life. We will be looking at the nature and structure of living things and how they interact with each other and with their environment. We will be using critical thinking, problem solving, and deep understanding of topics covered. This class will be taught with Romans 1:20:

"For his invisible attributes, namely, his eternal power and divine nature, have been clearly perceived, ever since the creation of the world, in the things that have been made. So they are without excuse."

Text Book

<https://www.apologia.com/homeschool-high-school-biology/>

COURSE OBJECTIVE

In this course you will learn:

- * Scientific principles while seeing evidence of God's creation
- * How to think critically beyond the textbook and contextualize to real-life
- * How to hold a logical discussion on God and science based on facts and beliefs
- * Understand and comprehend how living organisms live and function by studying their physiology

- * Understand how living organisms interact with one another

Biology 1A Fall semester

Module 1: The signs of Life

Module 2: The chemistry of Life

Module 3: Ecology

Module 4: Cell structure and function

Module 5: Cellular Energy

Module 6: Dna proteins and the cell cycle

Module 15: Animals Chordates Part 1

Module 16: Animals Chordates Part 2

Biology 1B Spring semester

Module 7 : Genetics

Module 8: Evolution

Module 9: Prokaryotes and Viruses

Module 10: Protists and Fungi

Module 11: Plant diversity and Reproduction

Module 12:Plant structure and Function

Module 13: Animals invertebrates Part 1

Module 14: Animals invertebrates Part 2

Grading

Final Exam 100 questions: 60%

Attendance: 40%