



Biology

Course Description:

Welcome to Biology, the study of life! My hope and prayer is you will come to know God by seeing His laws, order, and wisdom in receiving this broad overview of His amazing and glorious creation around us through biology. You will learn of the sheer grandeur of His world through scientific inquiry, experimentation, and communication.

Topics

- Biology: The Study of Life
- Kingdom Monera
- Kingdom Protista
- Kingdom Fungi
- The Chemistry of Life
- The Cell
- Cellular Reproduction and DNA
- Mendelian Genetics
- Evolution: Part Scientific Theory, Part Unconfirmed Hypothesis
- Ecology
- The Invertebrates of Kingdom Animalia
- Phylum Arthropoda
- Phylum Chordata
- Kingdom Plantae: Anatomy and Classification
- Kingdom Plantae: Physiology and Reproduction
- Reptiles, Birds, and Mammals

Course Materials:

- *Exploring Creation with Biology 2nd Edition*
 - OR *Exploring Creation with Biology 2nd Edition CD set*
 - Companion CD (optional)
- Bound notebook for your lab experiments
- Camera or device to take photo of experiments
- Materials for experiments are listed on supply list included

Grading:

35% of student's grade will be homework and study guide for each module

45% of student's grade will be tests: chapter tests and quarterly tests

20% of student's grade will be experiments/lab reports

Participation:

- You have reached the rhetorical stage of your educational development and are expected to participate in class, share thoughts and ideas, and help your fellow classmates.
- Please be RESPECTFUL of other classmates during our time in the classroom. (We love to have fun but we also need to stay on task.)
- If you are not participating in class, with the polls, answering questions, or participating in on topic chats, I will notify you. Should problems persist we will set up a meeting time to discuss the importance of participation.

Classroom Expectations:

- Read the lessons to be covered prior to coming to Classroom Live. We only meet 2 days a week and cannot cover everything in class, so students are expected to read and learn the material independently. Any questions can always be addressed in class.
- Take good notes in class - clear, neat, etc. Charts and tables are a great way to keep track of biology facts.