



Prerequisites:

- This class is open to 9th-12th grade students
- If you would like to enroll an 8th grade student, please contact Mrs. Thiessen.



Course Description:

This college-prep biology course is designed to be the student's first high school science course and provides students with a thorough understanding of the relevance of scientific inquiry. Textbook readings are enhanced by hands-on experiments that take students' book knowledge and bring it into real-world applications.

After completing this course, students will be able to understand the vocabulary of biology and gain a strong understanding of the scientific method that will equip them to analyze data across other disciplines. Modules cover atoms, chemical structures, ecosystems, biomes, ecological communities, cell structure and function, cellular energy, DNA, proteins, cell cycles, genetics (including inheritance, disorders, and technology), and evolution (from a Biblical worldview).

Students will also learn about prokaryotes, viruses, protists, fungi, and the fascinating worlds of plants and animals. This course does not cover the systems of the human body. Students who take and understand this course will be well-prepared for a rigorous university biology course.



Commitment:

- This course meets once a week.
- 2-3 hours per week of homework can be expected.
- Homework typically consists of a study guide, pre-lab write-up, and a quiz every 2 weeks.
- In-class quarter test every 8 weeks



A typical class will look like...

Class time will include reviewing study guides with PowerPoints and doing labs/hands-on activities to reinforce the material that is read in the text. Labs will include teacher demonstrations, microscope work, and dissections. Most labs will be done in class. Some require completion at home. In-class or online quizzes will be given every two weeks and in-class quarter tests every eight weeks.



Books and Supplies*

[Exploring Creation with Biology-3rd ed.](#)
 ISBN-10 : 1946506451
 ISBN-13 : 978-1946506450



- 3-ring binder w. tabs labeled "Study Guides", "Labs", "Worksheets", & "Quizzes"
- colored pencils

Textbook does not have to be purchased from the link. This is simply a suggestion. Lab materials covered by course lab fee.

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