



## WEST HARPETH CHRISTIAN TUTORIAL

# Biology

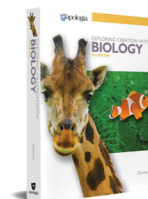
**Tutor:**

Nichole Thiessen

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**Prerequisites:**

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



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**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 backed 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, and genetics (including inheritance, disorders, and technology).

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 tough university biology course.

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**Books & 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

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**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 two weeks.
- In-class quarter test every 8 weeks

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**A typical class will look like...**

Class time will include reviewing study guides and lectures with PowerPoints and doing labs/hands-on activities to reinforce the material that is read in the text.

Labs will include microscope work and dissections.

In-class or online quizzes will be given every 2 weeks and in-class quarter tests every 8 weeks.