Biology

Instructor - Jessica Troglin
jdtroglin@yahoo.com - (405) 301-6337

Instructor Biography:

My husband Rodney and I have been married for 29 years and have five children. We are also grandparents to Ruslynn, Karson, Kamryn, and Laidyn! We live near Konawa and attend the First Baptist Church of Bowlegs. As a family we love to serve together and are very involved in missions here at home and around the world.

I attended college at East Central University where I earned both my Bachelors and Masters degrees in education. Before I began homeschooling my children, I was a teacher with Holdenville and Konawa Schools.

I have been a teacher at ACA for 8 years. My youngest graduated from ACA a few years ago, but I am very thankful to be continuing with ACA and doing what I feel God has called me to do - Teach!

Course Description:

This course is a comprehensive, lab-based high school biology class. We will approach this life science class from a young-earth creationist and Christian worldview. We will cover the standard biological science material and investigate the intentional design found in nature.

Materials Needed:

- Berean Builders ***- Discovering Design with Biology Set*** by Madtes & Wile
  - The set includes the student book & Answer Key/tests (YOU WILL NEED BOTH)
- Lab Fee - $40 (this fee will cover lab materials used in class at ACA)
- 3 ring binder (for lab sheets)
- Paper
- Pencils & highlighter

Class Time & Homework:

- ➢ Class time will include both lecture and lab time as well as occasional quizzes.
- ➢ Materials for labs will be purchased with the “lab fee” and provided by the instructor.
- ➢ Lab procedures will be provided and all students will be expected to follow them.
- ➢ Students will create a chronological record of the experiments conducted in class that will serve as a portfolio for the lab portion of this class.
- ➢ Weekly reading assignments will be given. It will be important to complete these BEFORE class each week so that students are prepared for lecture/labs.
- ➢ Tests will be assigned at the end of each chapter. They will be completed at home. Students may turn in the tests to be graded OR parents may grade at home.
- ➢ **Parents are the official teacher on record**, but I will provide a list of completed labs and/or tests turned in at the end of each semester.

Biology Topics & Class Schedule

1st Semester

August 13	Introduction; class procedures; begin Chapter 1 **(Intro to Biology)**
August 20	Chapter 1 continued
August 27	Chapter 2 **(The Chemistry of Life)**
September 3	Chapter 2 continued
September 10	Chapter 3 **(Cells)**
September 17	Chapter 3 continued
September 24	Chapter 3 continued
October 1	Chapter 4 **(Cell Division)**
October 8	Chapter 4 continued
October 15	**NO CLASS - FALL BREAK**
October 22	Chapter 5 **(Genetics)**
October 29	Chapter 5 continued
November 5	Chapter 6 **(Biotechnology)**
November 12	Chapter 7 **(Microbiology:Archaea & Bacteria)**
November 19	Chapter 7 continued
November 26	**NO CLASS - THANKSGIVING BREAK**
December 3	Chapter 8 **(Microbiology:Protists & Fungi)**
December 10	Chapter 8 continued
December 17	FLEX week (catch up and review for semester test)
December 24	**NO CLASS - CHRISTMAS BREAK**
December 31	**NO CLASS - CHRISTMAS BREAK**

Biology Topics & Class Schedule

2nd Semester

January 7	Chapter 9 **(Invertebrates)**
January 14	Chapter 9 continued
January 21	Chapter 10 **(Vertebrates: Fish & Amphibians)**
January 28	Chapter 10 continued
February 4	Chapter 11 **(Reptiles, Birds, & Mammals)**
February 11	Chapter 11 continued
February 18	Chapter 12 **(Primates & Humans)**
February 25	Chapter 12 continued
March 4	Chapter 13 **(Plants: Anatomy & Classification)**
March 11	Chapter 13 continued
March 18	**NO CLASS - SPRING BREAK**
March 25	Chapter 14 **(Plants: Physiology)**
April 1	Chapter 14 continued
April 8	Chapter15 **(Environmental Science)**
April 15	Chapter 16 **(Ecosystems)**
April 22	Chapter 16 continued
April 29	Final Project/Lab assignment
May 6	Project Presentations & Class celebration

*Please note…..Schedule and dates may be changed as needed