



**Class Name: Advanced Biology**  
Block 4 (12:30-1:25)  
Fall & Spring 2022-23

**Tutor:** Layla Steensma

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**Grade Level:** 9th-12th

**Class Description:** This is an AP level Anatomy or Advanced Biology class. Through the 16 modules we will cover the organizational overview of the human body and homeostasis, as well as a general review of concepts such as cell structure, protein synthesis, and cellular mitosis. Subsequent modules study histology (study of tissues), integumentary and skeletal systems, skeletal system histology and movement, muscular system histology and physiology, skeletal muscle system, nervous system, central nervous system, peripheral nervous system, endocrine system, cardiovascular system, lymphatic system, digestive system, respiratory system, urinary system and the reproductive system. Microscope labs, histology, and dissections are done together, and specimens are included in the materials fee.

**Prerequisites:** High School Biology

**Textbook/Author/Publisher:**

*Exploring Creation with Advanced Biology 2nd edition*  
Author: Dr. Jay L. Wile Publisher: Apologia Educational Ministries  
ISBN: 9781935495727

**Monthly Class Cost:** \$10.00 per week

**Materials/Lab Fee:** \$90.00 per year

**FLDOE course code:** 2000360

**Maximum # of students:** 16

**Minimum # of students:** 5

