



**Tutor:** Grecia Fenton

**Class Name:** Anatomy and Physiology

**Grade levels:** 10-12

**Class Description:** This course focuses on the anatomy and physiology of the human body and all its organ systems. 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. This is an AP level Anatomy and/or Advanced Biology class. Therefore, students are expected to be independent and come prepared to class.

Homework will be assigned each week to include chapter reading with assigned questions; chapter tests after the completion of the chapter, there will be a research paper assigned each semester.

**Prerequisites:** Biology

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

**Supplies required:** Textbook, 3 Ring Binder, colored pencils. (Student Notebook recommended)

**Materials/lab fee:** \$50/year

**Step Up:** NO