

**Course Title:** Anatomy & Physiology I  
**Board Approval Date:** March 17, 2020  
**Credit / Hours:** 1

**Course Description:**

This course is an intensive study of the form and function of the human body from cellular through systemic organization. Anatomy & Physiology I will cover the organization of the body, tissues, integumentary system, skeletal system, muscular system, nervous system, endocrine system, and a dissection. This course will use lab exercises, projects, readings, lecture, activities, and discussions, as well as virtual activities to enhance the curriculum.

**Learning Activities / Modes of Assessment:**

Teacher Observation Online Learning Resources Bell Ringers Exit Tickets Projects Lab and Lab Reports Small Group Whole Group Direct Instruction Partner Work	Think-Pair-Share Schoology (Discussion, assignments, etc) Stations Videos Flip Grid Real world applications iPads and Apps Quizzes Tests Exams
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**Instructional Resources:**

Textbooks

Websites

Lab materials/kits

iPad apps

State Standards

COSI

Dissection materials

Anatomy models

Schoology

Case studies

Colored pencils

Anatomy coloring book

Know:	Understand:	Do:
<p><b>Biology Keystone Standards</b></p> <p>BIO.A.1.2 Describe relationships between structure and function at biological levels of organization.</p> <p>BIO.A.2.2 Describe and interpret relationships between structure and function at various levels of biochemical organization (i.e., atoms, molecules, and macromolecules).</p> <p>BIO.A.4.2 Explain mechanisms that permit organisms to maintain biological balance between their internal and external environments.</p>	<p>Students will demonstrate that structure determines function at all levels.</p> <p>Students will demonstrate that structure determines function at all levels.</p> <p>Students will demonstrate that structure determines function at all levels.</p>	<p>BIO.A.1.2.2 Describe and interpret relationships between structure and function at various levels of biological organization (i.e., organelles, cells, tissues, organs, organ systems, and multicellular organisms).</p> <p>Explain and analyze the relationship between structure and function at the molecular, cellular and organ-system level.</p> <p>BIO. A.4.2.1 Explain how organisms maintain homeostasis (e.g., thermoregulation, water regulation, oxygen regulation, blood glucose regulation)</p>



## Pacing Guide

Course: Anatomy & Physiology I

<b>Course Unit (Topic)</b>	<b>Length of Instruction (Class Periods)</b>
Introduction to Human Anatomy & Physiology	9 days
Tissues	9 days
Integumentary System	10 days
Skeletal System	22 days
Muscular system	11 days
Midterm exam	2 days
Nervous system	15 days
Endocrine system	5 days
Dissection	5 days
Final exam	2 days