

Syllabus & Pacing

1.) Course Description

Welcome to Human Anatomy and Physiology! This course will provide an overview of the structure of the human body, from the microscopic to macroscopic level, as well as an introduction to normal organ functioning. You will explore how every component of the body contributes to our successful existence as human beings. As we work through each organ system individually, we will also briefly discuss diseases that affect the body.

The main goal of this course is to help students understand their body from a scientific perspective. Additionally, this course is ideal for individuals interested in or preparing for a career in the health sciences, such as nursing or medicine. Healthcare connections throughout the course will allow you to grasp the big picture, why anatomy and physiology is important to each one of us.

Why are many medical terms different than words we use in everyday life? Medical language allows for clear, concise and consistent communication locally, nationally, and internationally. It enables everyone involved in medicine and health care to perform more accurately and efficiently for the patient's benefit. For example, using the medical term **osteoarthritis**, which means **inflammation of the bone and joint**, offers a clear concise written or verbal communication using one word instead of six. Regardless of what the national language used, the meaning of the medical term does not change.

2.) Grade Breakdown

Grading Procedures

A 94-100%	C 73-76%
A- 90-93%	C- 70-72%
B+ 87-89%	D+ 67-69%
B 83-87%	D 63-66%
B- 80-82%	D- 59-63%
C+ 77-79%	F 58% or below

Grade Weight Groups:

- Quizzes and Assignments: 70%
- Post-Assessment: 10%
- Tests: 20%

Parents and guardians will be able to view their student's progress through Onfire.

3.) Course Requirements

COURSE SUBMISSIONS

All assignments will be graded through OnFire. Any attachments must be made in a Word document file, PDF, or Google Doc shareable link and turned in through OnFire.

REQUIRED Materials

All readings will be provided on OnFire. All courses require you to have access to a working computer and the Internet.

INSTRUCTOR EXPECTATIONS AND PACING

A typical semester course at a traditional high school requires 80 hours in total, which is 40 hours per term. Since this is a self-paced course, completing it may take you longer or shorter. You are expected to spend 3-5 hours each week and submit at least one unit each.

Students can complete the course at a pace that best suits them. You are responsible for completing and turning in all assignments according to their individual needs.

Parents/Guardians can observe and view their student's progress through OnFire.

ONLINE TECHNOLOGIES

This course takes place online. Since we will not meet face-to-face, you must have the necessary technology and technical know-how to work effectively in this online learning environment. This online course will utilize OnFire as the learning management system. Please get in touch with your instructor if you have trouble logging in or viewing any of the documents and links posted.

4.) Pacing Guide

Tentative Course Schedule

Students will be allowed to complete the course at a pace that best suits them. The students will be responsible for completing and turning in all assignments according to their individual needs. However, make sure to look at your school's deadlines, to ensure that you are completing courses on track.

Below is a suggested pacing guide.

Term 1

Week 1	Unit: Orientation to the Human Body <input type="checkbox"/> Lesson, Assignment, and Quiz: Organization of the Human Body <input type="checkbox"/> Lesson and Quiz: Anatomical Terminology <input type="checkbox"/> Quiz: Anatomy Positioning & Abdominal Regions
Week 2	Unit: Orientation to the Human Body <input type="checkbox"/> Quiz: Anatomy Positioning & Abdominal Regions <input type="checkbox"/> Lesson and Quiz: Cell <input type="checkbox"/> Quiz: Cell Structures in Action <input type="checkbox"/> Lesson, Assignment, and Quiz: Tissues

Week 3	<p>Unit: Orientation to the Human Body</p> <ul style="list-style-type: none"> <input type="checkbox"/> Unit Vocabulary <input type="checkbox"/> Unit Test: Organization of the Human Body <p>Unit: Integumentary System</p> <ul style="list-style-type: none"> <input type="checkbox"/> Lesson, Assignment, and Quiz: Major Layers of Skin
Week 4	<p>Unit: Integumentary System</p> <ul style="list-style-type: none"> <input type="checkbox"/> Lesson and Quiz: Accessory Structures <input type="checkbox"/> Assignment: Goosebumps & Arrector Pili <input type="checkbox"/> Lesson and Quiz: Functions of the Integumentary System <input type="checkbox"/> Assignment and Quiz: Vitamin D <input type="checkbox"/> Quiz: Body Temperature & The Integumentary System
Week 5	<p>Unit: Integumentary System</p> <ul style="list-style-type: none"> <input type="checkbox"/> Assignment: Burn Awareness Public Health Project <input type="checkbox"/> Unit Vocabulary <input type="checkbox"/> Unit Test: Integumentary System <p>Unit: Skeletal System</p> <ul style="list-style-type: none"> <input type="checkbox"/> Lesson and Quiz: Organization, Cellular Components, and Function
Week 6	<p>Unit: Skeletal System</p> <ul style="list-style-type: none"> <input type="checkbox"/> Quiz: Bone Resorption & Remodeling <input type="checkbox"/> Lesson, Assignment, and Quiz: Terminology and Features of Bones and Joints <input type="checkbox"/> Quiz: Skeletal Structure & Function <input type="checkbox"/> Practice: Skeletal System Bone Naming
Week 7	<p>Unit: Skeletal System</p> <ul style="list-style-type: none"> <input type="checkbox"/> Quiz: Bones of the Human Skeleton <input type="checkbox"/> Lesson and Quiz: Diseases & Disorders of the Skeletal System <input type="checkbox"/> Assignment: Osteoporosis: Prevention, Symptoms & Treatment <input type="checkbox"/> Unit Vocabulary

Week 8	<p>Unit: Skeletal System</p> <ul style="list-style-type: none"> <input type="checkbox"/> Unit Test: Skeletal System <input type="checkbox"/> Term 1 Post-Assessment and Grade Submission
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Term 2

Week 1	<p>Unit: Muscular System</p> <ul style="list-style-type: none"> <input type="checkbox"/> Lesson and Quiz: Naming Skeletal Muscles <input type="checkbox"/> Watch: Muscle Naming & Anatomy <input type="checkbox"/> Lesson: Muscle Contraction
Week 2	<p>Unit: Muscular System</p> <ul style="list-style-type: none"> <input type="checkbox"/> Lesson and Quiz: Muscle Identification and Function Part I <input type="checkbox"/> Lesson and Quiz: Muscle Identification and Function Part II <input type="checkbox"/> Practice: Muscle Identification & Function Activity <input type="checkbox"/> Lesson: Create & Learn Through Visuals <input type="checkbox"/> Assignment: My Targeted Gym Workout
Week 3	<p>Unit: Muscular System</p> <ul style="list-style-type: none"> <input type="checkbox"/> Lesson, Assignment and Quiz: Diseases & Disorders of the Muscular System <input type="checkbox"/> Unit Vocabulary <input type="checkbox"/> Unit Test: Muscular System
Week 4	<p>Unit: Nervous System & Special Senses</p> <ul style="list-style-type: none"> <input type="checkbox"/> Lesson, Video and Quiz: Structure & Functions of Nervous System <input type="checkbox"/> Lesson, Assignment, and Quiz: Neural Cells & Components of the Brain <input type="checkbox"/> Lesson and Quiz: The Senses

Week 5	<p>Unit: Nervous System & Special Senses</p> <ul style="list-style-type: none"> <input type="checkbox"/> Lesson: Autonomic Nervous System <input type="checkbox"/> Lesson and Quiz: Diseases & Disorders of the Nervous System <input type="checkbox"/> Assignment: Exploring Diseases & Disorders of the Nervous System <input type="checkbox"/> Unit Vocabulary <input type="checkbox"/> Unit Test: Nervous System & Special Senses
Week 6	<p>Unit: Endocrine System</p> <ul style="list-style-type: none"> <input type="checkbox"/> Lesson and Quiz: General Function of the Endocrine System <input type="checkbox"/> Lesson and Quiz: Hypothalamus & Pituitary Gland <input type="checkbox"/> Assignment: Pituitary Hormone Visual Explanation <input type="checkbox"/> Lesson and Quiz: Thyroid, Adrenal Glands & Pancreas
Week 7	<p>Unit: Endocrine System</p> <ul style="list-style-type: none"> <input type="checkbox"/> Assignment: Endocrine Glands <input type="checkbox"/> Lesson and Quiz: Diseases and Disorders of the Endocrine System <input type="checkbox"/> Unit Vocabulary
Week 8	<p>Unit: Endocrine System</p> <ul style="list-style-type: none"> <input type="checkbox"/> Unit Test: Endocrine System <input type="checkbox"/> Term 2 Post-Assessment and Grade Submission