



## **Anatomy and Physiology**

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**Conference Period:** 3:30- 4:20pm and 10:30am-11:30pm Monday

**Tutoring Opportunities:** By appointment through Microsoft TEAMS or during Conference Time

### **Class Materials:**

- Journal (Required)- Recommend 3 Ring Binder or Binders with Folder Pockets, or a Digital journal
- Pencil, Colored Pencils, Pen, Glue Sticks, Highlighters(optional). There will be NO sharing of personal materials.
- Digital Book: HOLES Anatomy and Physiology Online Textbook is Not available at this time.
- Canvas, Remind, Office 365, School email

Access to Canvas and Office365 tools is available to students through our [Single Sign-on Portal \(SSO\)](#). Students receive their SSO login during enrollment.

### **Course Description:**

This unit provides a basic overview of anatomy and physiological processes. It also covers common disorders, diseases, and possible therapeutic interventions.

### **Course Goals:**

Students who complete this course successfully will be able to:

Have a generalized understanding of all the body systems and their associated structures and functions.

### **Student Evaluation:**

The grading system for this course is as follows:

- Grade averaged 60% Major 40% Minor
- Major grades – tests (including District Common Assessments, six weeks assessments, projects, final essays, research papers, presentations); minimum three per six weeks
- Minor grades – quizzes, daily assignments, journals; minimum ten per six weeks
- Semester exams will count 1/7 of the semester grade
- A letter system (S, N, U) is used to report a student’s conduct based on proper/responsive conduct and citizenship
- Per Board Policy EIA (LOCAL), “The District shall permit a student who meets the criteria detailed in the grading guidelines a reasonable opportunity to redo an assignment or retake a test for which the student received a **failing** grade. This policy applies only to initial identified major grades and does not apply to daily assignments, quizzes, six-week test, and semester final examinations. Upon reteach and retest, the new test, project, etc. recorded will be a high score of 70%.
- Official grades will be in Skyward only and can be accessed by student and parent through Family Access.

### **Assignments, exams, expectations outside of the classroom:**

Tests will be worth more points than daily assignments and quizzes. Homework assignments will be

infrequent unless you do not use the class time to complete. When grading assignments, I will generally grade you on following directions, the quality and thoughtfulness of your work, and on the completeness of the assignment. Grades will be updated on a weekly basis (usually Mondays) in Skyward. Please check your grade often and closely. If there is ever a discrepancy with your grade, please talk to me about it as soon as you can so that we can address the issue as quickly as possible.

### **Attendance/Tardy Policy/Make-Up Work:**

Attendance for the day will be taken at the beginning of the class period. You will be marked Tardy after 5 minutes passes in-between class periods. Tardiness is not permitted. We will have class warm-ups at the start of every class period. If you miss what we do during the first few minutes of class, you may feel lost in the daily lesson. REMOTE Learning, attendance will be taken when the student completes the initial Bell Ringer or Activity of the Day. Keeping current with the topics being discussed in class will be very helpful. A large portion of students' grades will depend on what you do, see, and hear in class; therefore, your regular attendance is not only required, but also essential to gain all important concepts and aspects of the course.

If you must miss a class, it is your responsibility to find out what you missed. Not knowing there was an assignment is not an excuse. In Canvas, all activities/assignments will be listed under the specific week of "Anatomy and Physiology" material that was covered under the appropriate day of the week.

Make up work will be considered late if they are NOT turned by the date posted with the Activity/Assignment in Canvas. After that time, assignments will be considered late or unacceptable. Please refer to grading policy posted on The Course information page in Canvas or the School Handbook. All late and make-up work must be marked as "late" or "excused absence" in Canvas comments or typed somewhere on the activity/assignment if you want to earn credit. Records of attendance are kept to cross reference any disputes.

Missed quiz or exams must be made up timely and will be given in accordance to school policy. Make-up exams will ALWAYS consist of an alternate form of the original test given.

### **Classroom Expectations:**

Come prepared to class and ready to learn. This means having something to write with, your Journal, and any homework or previous assignments that are due that day. Students will be much more successful in the class if they have everything they need each day of school. Give 100% effort 100% of the time. With a limited amount of time for this class, the semesters will fly by! Each class is important to build your knowledge of the material and each student's effort is key. Participating in class, adding to the discussions, asking questions, and turning in assignments every day will allow students to achieve the requirements of the course.

### **Preliminary Schedule of Topics, Readings, and Assignment**

Anatomy & Physiology Scope and Sequence©Eagle Mountain-Saginaw Independent School District

#### **1st Six Weeks**

- Foundations of Human Anatomy and Physiology
- The Language of Anatomy and Physiology
- Basic Physiological Processes
- Chapter Review and Assessment
- Cells and Tissues
- Molecules of Life

- Chapter Review and Assessment
- Body Membranes
- The Integumentary System Intro
- Injuries and Disorders of the Skin
- Chapter Review and Assessment

### **2nd Six Weeks**

- The Skeletal System Intro
- Bone as a Living Tissue
- The Axial and Appendicular Skeleton
- Joints
- Injuries and Disorders of the Skeletal System
- Chapter Review and Assessment
- The Muscular System Intro

### **3<sup>rd</sup> Six Weeks**

- Muscle Tissue Categories and Functions
- Skeletal Muscle Actions
- The Major Skeletal Muscles
- Injuries and Disorders of Muscles
- Chapter Review and Assessment
- First Semester Exam

### **4<sup>th</sup> Six Weeks**

- The Nervous System Intro
- Overview of the Nervous System
- Transmission of Nerve Impulse
- Functional Anatomy of the Central Nervous System
- Functional Anatomy of the Peripheral Nervous System
- Injuries and Disorders of the Nervous System
- Chapter Review and Assessment
- The Sensory Systems Intro
- The Eye, Ear, and Smell and Taste
- Chapter Review and Assessment
- The Endocrine System Intro
- Functions and Control of the Endocrine System
- Major Endocrine Organs
- Endocrine Disorders and Diseases
- Chapter Review and Assessment

### **5<sup>th</sup> Six Weeks**

- The Function and Composition of Blood
- Blood Types
- Blood Disorders and Diseases
- Chapter Review and Assessment
- The Cardiovascular System Intro

- Heart Anatomy and the Function of the Cardiovascular System
- Regulation of the Heart
- Blood Vessels and Circulation
- Heart Disease
- Chapter Review and Assessment
- The Lymphatic System Intro
- Nonspecific and Specific Defenses
- Disorders and Diseases of the Immune System

#### **6<sup>th</sup> Six Weeks**

- Functions and Anatomy of the Respiratory System
- Respiration: Mechanics and Control
- Respiratory Disorders and Diseases
- Chapter Review and Assessment
- The Digestive System and Nutrition Intro
- Anatomy and Physiology of the Digestive System
- Disorders and Diseases of the Digestive System
- Chapter Review and Assessment
- The Urinary System Intro
- Anatomy of the Kidney
- Urine Formation, Storage, and Excretion
- Diseases and Disorders of the Urinary System
- Chapter Review and Assessment
- The Male and Female Reproductive Systems Intro
- Reproduction and Development of the Human Reproductive Systems
- Disorders and Diseases of the Reproductive System
- Chapter Review and Assessment
- Final Semester Exam

#### **Academic Integrity:**

Academic integrity values the work of individuals regardless if it is another student's work, a researcher, or author. The pursuit of learning requires each student to be responsible for his or her academic work. Academic dishonesty is not tolerated in our schools. Academic dishonesty, includes cheating, copying the work of another student, plagiarism, and unauthorized communication between students during an examination. The determination that a student has engaged in academic dishonesty shall be based on the judgment of the classroom teacher or other supervising professional employee and considers written materials, observation, or information from students. Students found to have engaged in academic dishonesty shall be subject to disciplinary and/or academic penalties. The teacher and campus administrator shall jointly determine such action.