



# Human Anatomy & Physiology

2015-2016

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## Course Description

Welcome to Human Anatomy and Physiology. The class content carefully balances structure and function to provide an integrated view of how the human body works. The course seeks to teach the necessary vocabulary and skills to those planning on pursuing a health-related career. Furthermore, since everyone will encounter a need to understand basic anatomical concepts in life (i.e. A trip to the doctor), the course is relevant to everyone.

## Course Objectives

We will survey 8 of the 11 organ systems of the body not covered in Advanced Biology, focusing on the structures, function, and pathologies (diseases etc.) of each system. Labs will consist primarily of dissections and shore research topics.

## Course Units

Quarter 1	Quarter 2	Quarter 3	Quarter 4
Intro to A & P Levels of Organization Review Cells Tissues Begin Skeletal System	Continue Skeletal System -Structure -Development -Function -Organization Muscular System -Structure -Organization -Contraction Blood -Red, White Cells -Hemostasis -Blood Groups	Cardiovascular System -Structure of the Heart -Heart Actions -Blood Pressure -Paths of Circulation -Heart Dissection Nervous System -General functions -Neurons -Nerve impulse -Synapse -Brain Anatomy - Senses -Eye Dissection	Digestive System -Structure -Characteristics -Function -Liver function Respiratory System -Organs -Breathing Mechanics -Alveolar gas exchange Urinary System -Structure -Function

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## Materials

NOTEBOOK- Students are expected to keep and maintain a notebook for this class. This notebook will consist of class notes, diagrams, and handouts.

COLORED PENCILS- Students will be using colored pencils for a majority of labeling and other projects. It is highly recommended that students bring their own pencils.

DISSECTION- This is a lab class. You will be **required** to participate in the class dissections.

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## Skyward Grading

Score Method	Term Grades (MHS Policy)	Grading Scale (MHS Policy)
Weighted Percentages	<b>Fall</b> Quarter 1=40% Quarter 2=40% End of Course Assessment=20%  <b>Spring</b> Quarter 3=40% Quarter 4=40% End of Course Assessment=20%	A=90%-100% B=80%-89% C=70%-79% D=60%-69% F=Below 60%

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## Make-Up Work (MHS Policy)

Papers, assignments, tests, etc. that were announced while the student was in attendance prior to the absence are due to be submitted or completed on the day the student returns to school. A student will be allowed two (2) school days for each day of excused absence to make up material presented during the absence. Make-up time is not to exceed 1 week from the time a student returns to school after an absence. Additional time may be granted at the principal's discretion under extenuating circumstances. When a student has been absent for three (3) or more consecutive school days due to illness or excused absence the parent or student may call the Attendance Office to request make-up homework be sent to the office for pick-up. Please allow 24 hours for teachers to respond before coming to the office to pick up work. **In the case of pre-arranged absences, it is the responsibility of the student to contact individual teachers for any make-up work prior to the absence.**

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## **Late Work**

MAKE-UPS- Missing assignments will be expected to be turned in in a timely manner. Missed QUIZZES and TESTS will be required to be made up within *one* week of missed day.

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## **Classroom Rules and Procedures**

### **EXPECTATIONS**

Students will be expected to:

- Come to class prepared with notebook and writing utensil
  - Arrive with a positive attitude
  - Respect other's space, property, and opinions
  - Positively add to classroom discussions
  - Expect to SUCCEED!!
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## **Discipline**

This class will be filled with classroom discussions pertaining to Biological and other related topics. Topics will be shared and discussed amongst ourselves. Every student is encouraged to add to discussions with their personal views and/or personal experiences. My goal is to provide a safe, orderly, and productive learning environment in which you can maximize your learning of the human body. EVERY student has the right to this type of environment. Negative behavior will NOT be tolerated. School policies for discipline will be enforced. Following these simple guidelines will allow for success in this class.

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## **Academic Integrity (MHS Policy)**

All work submitted by a student must represent his/her own ideas, concepts, and current understanding. All material found during research must be correctly documented/cited to avoid plagiarism. Any student caught cheating or plagiarizing on course assignments or exams will lose credit for that assignment or exam. The teacher will notify parents. Students may be subject to disciplinary action, including a parent conference.

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## **Student & Parent Resources**

School Website: <http://mhs.msd134.org/>

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## **Other Information**