

# Anatomy and Physiology Syllabus

Mrs. Evick

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In this class, you will learn a variety of information about the human body – how and why does your body work? What makes up the human body? How do all of your cells and tissues work together to make you an efficient organism? In order to ensure that all of you gain this knowledge, you will need to get involved in your learning! I believe that science is best learned through interactions of all kinds. Your first interaction will be with your classmates. Cooperative learning is the basis of all my classes. Together, along with the collaboration of other groups, you will investigate the many aspects of anatomy and physiology through experimentation, modeling, all while honing your scientist skills (microscopy, dissections, etc).

## *Purpose*

- The purpose of this course is to provide the student with knowledge and understanding of the structure (**Anatomy**) and function (**Physiology**) of the human body.
- You will perform various lab activities related to anatomy and physiology. You will be asked to identify anatomy of body systems using models, specimens (dissections), diagrams and/or computer programs. You will complete multiple physiology activities related to the body systems as well.

I want this to be a fun and educational science class. Throughout this year, we will be learning in a variety of ways, always keeping you on your feet. For this to happen, I am going to need your cooperation to make this a successful experience for all of us. So here are the expectations and policies that must be discussed...

## *What is expected of you?*

- **RESPECT** others and yourself in the classroom
- **HONESTY** and **INTEGRITY**
- Be **PROMPT** and **PREPARED**
- Be **SMART**, Be **SAFE**
- **ACT** and **DRESS** appropriately
- Be **PRODUCTIVE**
- **LEARN** and **LISTEN**

Failure to follow expectations listed will impact your grade and may result in a disciplinary action as identified in the Student Code of Conduct (see agenda).

## *What to bring to class*

- 1- 3 ring binder, at least 2 inches!
- Pack of colored pencils – 16-24 recommended!
- Your iPad, charged and ready, recommended apps loaded and functioning!

**Being prepared for class is part of your grade!!**

## *How to make the grade*

You will have many opportunities to learn and earn your grades.

**Tasks/Reviews: 15%**

**Labs/Explorations: 25%**

**Models/Products: 25%**

**Quizzes: 35%**

- All formal assessments (Tests/Quizzes) will be announced in advance. Students will be expected to prepare for these as necessary, which will include study time at home.

- Tests will have lab portions as well as written responses.
- Midterm and final exam will be comprehensive and count as 15% of your semester grades.
- Each of you will complete a system project. More details later!

I follow the district's grading percentages:

93-100% =A    85-92%=B    75-84%=C    70-74%=D    Below 70%=F

- ✓ **Notebooks are Necessary!** A well-kept notebook is a great organization tool to study for the tests.
- ✓ **Late Work:** Keeping up is essential. What you miss becomes YOUR responsibility to access. Late work will be accepted for *70% of the original point value for one week*. Use Schoology to get work in after school hours! **Once 1 week has passed from the due date, you MAY NO longer hand in that assignment!**
- ✓ **Individual Project:** Each student will be responsible for completing an individual project on a particular system. A rubric will be provided soon!

*If you are not in class...*

- **Homework assignments** that were due the day you were out are to be handed in the day you return. Rule on late assignments apply!!
- **Sports/Dr. Appointment/Field Trip/AC/etc:** A prior knowledge absence *will not be used as an excuse* to allow you more time to complete an assignment. Work is due before you leave OR through Schoology!! Late rule applies.
- You can only make up work if there is an excused absence (School Board Policy).
- **If you miss a quiz or a test**, you must come see me to make arrangements to complete the task *within a week of the scheduled date*. I *am not* your mom, I will not nag you to make up work. **One week to makeup the assessment or you take a zero.** Use Fridays during HR to your advantage!

*Topics in whatever order...*

- |                        |                    |                       |
|------------------------|--------------------|-----------------------|
| • Introduction         | • Skeletal system  | • Circulatory system  |
| • Anatomical lingo     | • Muscular system  | • Respiratory system  |
| • Biochemistry review  | • Nervous system   | • Digestive system    |
| • Integumentary system | • Sensory organs   | • Urinary system      |
|                        | • Endocrine system | • Reproductive system |

*Technology Available*

Notes and visual aids will be on *Schoology* on a daily/weekly basis. There are links that you will see me use in class and also ones that will help you tremendously. You WILL NEED your iPad on daily basis. Make sure it is charged and you bring your charger! We will have apps you will need to download to use in class.

*Remind*, a text messaging service, will be used to alert students of upcoming quizzes, due dates, etc. Parents can join also. Parents, ask your student for the class access code if interested in receiving these alerts as well!

Grades will be available on *HomeAccess*. *Schoology* WILL NOT reflect all grades for each quarter. You MUST check *HomeAccess* to know where you stand. I will not be checking on your grade all of the time. You will be responsible to track your own grades. Please take advantage of this! Email me with concerns.

Use Schoology to submit any late assignments. **If I get it by 11:59:59 on the due date, it's not late!**

**LABS!**

- **Dissections and hands-on modeling will be performed for topics in class.** Human models will be used and other mammalian specimens. If you have a problem with participating in dissection, an alternative will be provided. Please note: All supplies will be acquired from a distributor. No live animals will be used.
  - Labs will be done in cooperative groups.

- Each person in the group is responsible for his or her work as well as for the work of the others in the group.
- Clean-up/Closure – Lab cleanup will be addressed prior to modeling/dissection activity. All lab safety rules are to be followed at all times.
- NO FOOD OR DRINKS IN LAB AREA!!
- Most lab activities will be accompanied with a quiz of some kind. Extra access to the lab materials, specimens, models, etc can be available during homeroom, lunchtime, or after school. ***The use of lab time resembles a REAL college feel towards this class!*** Use Fridays during HR to your advantage!

*TEXT*

Schoology will be used to post all text resources for this course. PLEASE make sure you have access to your iPad during all classes!!! If you have limited access to the internet, please download your text resources before you leave the building!!

## Student and Parent Contract

I want this to be an enjoyable experience in which everyone learns a lot and excels. What we need to make this possible is cooperation. Science labs can be dangerous places if common sense and communication are lacking. If there is failure to meet any of the expectations, we cannot participate in the interactive labs and exercises, the “fun stuff”. I cannot put you as students at risk in an environment that could endanger your safety. You will also be required to sign a lab safety contract before allowed participate in any lab activities.

So please, do make sure you read and understand what is stated above. Sign the bottom. Take this home, have your parent/guardian read it, sign it. List email addresses in the spaces provided. Bring it back, hand in this sheet, and earn yourself full credit for the first grade.

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I have read the above and understand the policies that are stated. I understand the format of the course and the student expectations as defined.

Student: \_\_\_\_\_ Date: \_\_\_\_\_

Parent/Guardian: \_\_\_\_\_ Date: \_\_\_\_\_

## Emails

Email is my major form of communication. Please supply an email that will allow me to contact you easily. Write clearly and legibly please ☺

Student:

Parent/Guardian: