

Collegiate School of Medicine and Bioscience

PLTW Human Body Systems

2019-2020 Academic Term

Course Syllabus



Teacher Information: Dr. Mark Schisler

mark.schisler@slps.org

Room: Lab 4

Contacting the Teacher:

I am here to help you in any way that I can. If you need help in class, please ask. If you need more help, please arrange for individual help, preferably during study hall or before school.

Core Learning Goals: Students will be expected to:

- understand what science is and how science professionals use, contribute, and engage it.
- have knowledge of a wide variety of health and science professions, how the characteristics of each fit students' own skill sets, and what must be done to enter each profession.
- demonstrate professional science skills such as collaboration, critical thinking, clear communication, laboratory techniques, and interpretation/analysis of data.
- have a conceptual understanding of the major systems of the human body and the relationships between these systems and human illnesses.
- recognize and understand the interrelationships among health professionals, public health, individual health, and the natural environment, and the ethical considerations surrounding these connections.

Course Schedule:

We will follow the sequence of topics outlined by PLTW and do our best to follow the recommended pacing guide.

Class Location:

Our class will meet in Lab 4, a portable classroom facility outside of the main school building and to the south. The lab is located at the southwest corner of an area designated as the Science Park, due to the presence of multiple science classrooms.

Grading:

Collegiate uses a traditional 5 letter grading system. The divisions are given below:

A	B	C	D	F
90-100%	80-89%	70-79%	60-69%	0-60%

Grades for the course will be based on several factors including classwork, homework, participation in class, collaboration with peers, and performance on assessments. Assignments for this course will include (but are not limited to) lab activities, discussions, group projects, reading reflections,

comprehension and reasoning questions. Students will be graded on a variety of factors. While mastery of content will make up most of a student's grade other factors will be assessed, including:

- respectful and productive collaboration
- communication skills
- demonstration of scientific skills
- willingness to engage tasks in thoughtful and meaningful ways
- the quality of final products, such as posters and presentations

Semester grades will be calculated using the formula below:

- 15% Classwork/Projects
- 15% Quizzes
- 15% Lab Reports/Research Papers
- 35 % Unit test
- 20% Final exam
- **total 100% equal to final grade**
- **grades will be kept as a running total not broken down by quarters**

Supply List:

All students are requested to bring a box of tissue and a box of nitrile gloves (in their own size) to class by the end of the second week of class. These will be used by the class over the course of the year. In addition, all students are required to have the following items every day during class:

- **A 1" binder for a lab notebook. Divider tabs are recommended but not required.**
- **Pens and pencils to write with (black or blue ink only).**
- **CSMB Lab Notebook**

***If you are unable to provide the above materials due to family or monetary reasons, please talk to me personally and we will find a solution. Our conversation will be strictly confidential.

Class Website:

This class is a computer based class. Students will log into the PLTW site to access or learning modules. Work will not be submitted electronically as before. **Most work will be submitted using the carbon copy course Lab Notebook.** Some assignments may require students to submit work electronically via Google Classroom or Turnitin.com as directed.

Lab Safety:

This class involves a large amount of laboratory work. The laboratory setting is different from the traditional classroom in many ways. One significant difference is the increased risk of physical harm to students due to the presence of chemicals, the use of gas, electricity, and fire, and the use of instruments and equipment. In order to ensure the safety of all participants, students are expected to follow lab safety rules at all times during laboratory exercises, or when the classroom is set up for these tasks. Violations of safety rules will result in immediate exclusion from the laboratory, and will require an alternate written assignment for the missed activity. Students will be required to sign a lab safety contract before working in the lab.

Absences:

Homework

If a student misses class, they need to see me ASAP after returning to school to obtain their make up work. After students return to school, they have a period of time equal to that absent to turn in their missed work. (Example: If a student misses Monday and Tuesday due to illness, students will have Wednesday and Thursday to work, with the assignment due Friday.)

Assessments:

If a student misses an assessment (quiz/test) they must see me immediately upon returning to schedule a time to take it. Students must schedule, and take a make up assessment within 2 school days of returning, regardless of the length of their absence. Failure to schedule a make up assessment within this time will result in a zero for the assessment.

Late Work:

Students are expected to turn in their classwork by the given deadlines. Extensions will be given for excused absences, such as those relating to illness or school sponsored events. If the student has advanced knowledge of the absence, then the teacher must be notified. **Failure to notify Dr. Schisler of an absence in advance when it is reasonable to do so may result in a late grade penalty even if the reason for the absence would normally be excused.**

Late work will be accepted with a **20% penalty** for a period of one week past the due date. After that time, no credit will be given. Excused late work will be graded with no penalty if turned in by the extended deadline.

Rules and Discipline

Our classroom is just that, *our* classroom. We are a team and a community. There are three rules in our classroom:

1. Be Respectful
2. Be Productive
3. Be Collegiate
4. Know and demonstrate the Core Values

These rules seem vague, and they are. They apply in all situations, but how they apply is different in each case. Students are expected to be mindful of these rules and act accordingly. When an individual's behavior no longer models the Core Values, I will have a private discussion with student to reinforce what appropriate behavior should look like. When class behavior becomes an issue, we will have a class meeting and will define as a group what acceptable behavior looks like. Students who act disruptively will be held accountable and asked to correct their behavior. Students who are repeatedly disruptive will be subject to demerits and detentions according to the CSMB handbook. For serious rule violations or violent behavior, students will be referred to the administration and removed from the classroom immediately.

General Procedures: *Immediately upon entering The Classroom, students will be required to place their cell phones in the class holder. Additionally, students will be required to turn in a*

cell phone or a letter from a parent in order to receive a test. Failure to do so will result in a zero for that event.

When the bell rings, all students should be sitting in their assigned seats and working quietly on the Do Now. Students will have a specified amount of time to complete this, usually indicated by an alarm on my phone. Bellwork not complete at the end of elapsed time will not be accepted. Students who finish their bellwork before time has elapsed should sit quietly.

Leaving Your Seat

Students may leave their seats to sharpen pencils, get a tissue, or discard trash during work time, but not while the teacher is giving instructions. Students performing these tasks should do them quietly and return to their work.

Leaving the Classroom

Students are expected to be in class for the duration of the period. Aside from unavoidable interruptions (e.g. the principal pulls a student from class) students will not be allowed to leave class to attend other matters like making phone calls or talking with another teacher. Students must ask for specific permission before leaving the classroom and must have a hall pass.

Dismissal

At the end of the period, I will dismiss you. Do not begin packing your things or talking before I dismiss you. Class time ends at the bell, not before. When the bell rings, I will stop what I am doing, give any last instructions, and dismiss you promptly. Just as I ask students to respect class time, I will respect your in between time and release you quickly. Anyone leaving the room before instructed to will receive a demerit and administration will be notified.

Getting Students' Attention

If I need to call students attention, I will stand and raise my hand or use appropriate verbal cues. When they see me, students are expected to stop what they are doing, stop talking, face me, and raise their own hands. When the entire class is watching I will begin giving instructions.

Paper Headings

Do Nows and other assignments turned in on paper must be turned in as duplicates removed from the lab notebook and must display a standard header. In the top, left corner please write clearly

Student Name (First Last, example "Mark Schisler")

Current Date (example "08/17/15")

Class Period (example "1st Period")

Turning In Homework/Classwork

Some homework will be turned in online. For assignments turned in as a hard copy, the homework should be placed in the homework tray BEFORE the bell rings at the beginning of class. Classwork can be turned into the tray at any time during student work time, but should not be turned in while the teacher is talking or giving instructions.

Academic Integrity

Academic dishonesty is a serious offense that results in severe penalties in the college environment. While some instances of cheating, such as copying someone else's test paper, are obvious, others are not. Here are some examples of academic dishonesty:

- writing about an idea as if it were your own, when you got it from someone else
- telling someone else about an assignment after you have done it but before they have
- turning in an assignment for one class that you have already turned in for another
- allowing your name to be added to an assignment when you did not participate in it
- sharing graded and returned tests or assignments with other students even old ones
- knowingly allowing someone to use copy off of you or steal your work
- allowing someone else to put their name on work that you did

Students caught cheating in my class will receive an F for the assignment in question. In addition, their parents and the administration will be notified. Within the class, additional discussions and actions will occur to repair the damage done to our scholarly community.

Bullying/Harassment

Intimidating and demeaning others has no place in our classroom community. I consider bullying to be extremely serious and will address such behavior immediately.

Profanity

At Collegiate, our mission is to prepare students for college and society. While in my class at collegiate, students are expected to practice--in the same sense that a guitarist *practices* his instrument--civil language.

Offensive/Hateful Speech

As a respectful and collegiate place, hateful or demeaning language has no place in our classroom. While such messages are sometimes complicated and unintentional, there are some words (and we all know these types of words I'm talking about) should never be said in my classroom. These words exist for members of different races, religions, and sexual identities. The use of such words is not acceptable in our classroom, or our society, and I will address their use immediately and without exception.