



PLTW: Principles of Biomedical Sciences (PBS)

Mrs. McReynolds

megan.mcreynolds@jcschools.us

Plan time: 9:36 – 10:27 am

Websites: <https://my.pltw.org/> (curriculum/notes, assignments)

Google Classroom (submitting work, resources, etc.)

Course Description:

In the introductory course of the PLTW Biomedical Science program, students engage in real-world cases and scenarios and hands-on experiences that allow them to develop proficiency in laboratory and clinical skills using real equipment.

This course provides foundational knowledge and skills in fields such as biology, anatomy and physiology, genetics, microbiology, and epidemiology. PBS engages students in how they can apply this content to real-world situations, cases, and problems, such as solving a medical mystery case, diagnosing and treating a patient, or responding to a medical outbreak.

PLTW classes are very rigorous and challenging, but also engaging and fun! This is a college-level course that challenges you to work hard, develop your critical thinking skills, and help you learn how to collaborate in groups, which should result in a deeper understanding of how the body works.

Class Units:

Unit 1: Medical Investigation

Unit 2: Clinical Care

Unit 3: Outbreaks and Emergencies

Unit 4: Innovation, Inc.

Materials Needed:

- Pencil and/or Pens
- Laboratory Notebook: 3-Ring Binder (1/2" or 1") with Tab Dividers
- Chromebook and earbuds/headphones
- Pencil and/or Pens, highlighter
- Notebook paper
- Any donation of Kleenexes would be appreciated!

Grading Scale:

60%--Summatives (Tests, Quizzes, Performance Tasks)

30%--Classwork (Daily Work, Labs, Activities, Homework)

10%--Midterm and Final/EOC

A	93-100	B-	80-82	D+	67-69
A-	90-92	C+	77-79	D	63-66
B+	87-89	C	73-76	D-	60-62
B	83-86	C-	70-72	F	59 & below

→→→

Expectations:

1. Be respectful of the room and people in it. This is a collaborative class, where working together is critical, and using multiple types of science lab equipment properly is essential. There is no food or drink allowed in class.
2. Be responsible for your own learning, as hard work and time management are essential in being successful. Use your class time wisely, bring all necessary materials with you to class, and have assignments completed when assigned.
3. Be kind to peers and staff. Come to class with a positive attitude and openness to learn something new!
4. Be on time. Students are tardy if they are not in the classroom when the bell rings.
5. Cell Phones are put away out of sight (see [Cell Phone policy](#)**).
6. Be the best you can be. Try hard to get better every day, put forth effort. Don't give up and immediately ask for help, you can revise and re-do!

**You are expected to adhere to the policies and procedures set forth by the student handbook.

Course Policies:

Absences:

- If you are absent due to a school function (extracurricular activities, field trips, etc.) you are expected to get your assignments prior to your absence and complete them by the due date. It is your responsibility to come in for any additional help as needed before/after school or make arrangements during Cav Time to get the work done on time.
- If you have an excused absence (not due to a school function), it is your responsibility to check Google Classroom or email me to see what you missed, as it is super important to stay up on your classwork as this class moves at a quick pace. Students who are absent will be expected to complete all work, including exams, assignments, projects, classwork, labs, etc. Students must have make-up work completed by the time they take their unit test on those objectives. No make-up work will be accepted after that.
- All make-up tests will be given during Cav Time and may not be the same test as given to other students.

Academic Dishonesty:

It is expected that the work students do will be their own, whether that be on a test, homework, classwork, labs, etc. When students collaborate in groups, they are expected to discuss ideas and help each other to clarify their understanding of the concepts. Students may collect data together on labs, but all written answers should reflect his/her individual understanding and knowledge. Copying someone else's work is called academic dishonesty and is not allowed and will result in the following consequences:

- A zero grade for the test or assignment.
- Parental and Administrative notification if caught being dishonest on a test or assignment.

Late Work/Retakes:

- Any work from the current unit can be turned in up until the day before the unit assessment and receive credit. Any work turned in after that date will not receive credit.
- No retakes on Quizzes, Tests, or Projects

Technology:

Technology is an essential tool in the classroom for research, application of science and communication. We will use [myPLTW](#) on a daily basis that has all assignments, curriculum, notes, presentations, practice, etc. for this course. You have a specific username and password that you will use to login to this website every day. Daily communication of assignments and submission will be through Google Classroom. The daily slides, announcements, practice, notes, rubrics, schedules, video links, etc. will be posted for this course. Please ensure to use this tool to assist you with keeping up with assignments and make-up work for absences. Misuse of technology will result in the surrender of the Chromebook for the class period, parent communication, or if necessary, a referral. Personal technology such as cell phones should be kept out of sight in your backpack or pocket and not cause distraction. **See [Cell Phone policy](#). Students might be asked to use their personal technology for some labs or activities (per teacher permission). Misuse of personal technology in this instance will result in the surrender of the cell phone for the class period, parent communication, or if necessary, a referral.

**Cell phone policy: Any personal devices will not be permitted during class time, however, they will be permitted while in common areas such as hallways and cafeteria. Earbuds will be allowed in classrooms only when a teacher requires them to be used for listening on Chromebooks. Any violations of this expectation will hold consequences outlined in policy JG-R1.

College Credit:

This class is a dual enrollment class, meaning that students **CAN** earn 3 Hours of college credit for this class. Students must maintain an 80% or above and score proficient or above on the EOC exam. To check out the information regarding this, go to the following website: <https://pltw.mst.edu/undergraduate-credit/>

Communication:

Communication between teacher, student, and parents is essential for successful completion of this course. Infinite Campus is updated weekly, and I send out Infinite Campus Messenger emails for an upcoming quiz or test, for multiple missing assignments, for progress checks on grades, etc. Students have Google Classroom where items are posted daily and projects and/or rubrics are shared well before their due date to ensure students turn in these projects on time. The best way to contact me is through email megan.mcreynolds@jcschools.us, as I check this regularly throughout the day, or by phone before or after school, and I will return your call or email as quickly as I can.

→→→

Principles of Biomedical Sciences (PBS) Syllabus Student and Parent Signature Form:

I, _____, have read and understand the course syllabus above
(Print student name)

and accept the terms therein, and the actions expected as a student at Capital City High School. My signature indicates that I will use classroom resources with respect, understand, and will comply with course policies as I put forth my best efforts in order to be successful in class.

_____ (Signature of Student)

I, _____, have read and understand the course syllabus above
(Print Parent name)

and accept the terms therein, and the actions expected as a student at Capital City High School.

_____ (Signature of Parent/Guardian)

Please indicate the preferred method of parent/guardian communication. *I will use the contact information provided in Infinite Campus, so if your information has changed, please provide the email/phone number in order for me to contact you).

Email _____

Phone call _____

Text message _____