

# Human Body Systems

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Room: B-215  
Office Hours: Tues. 7:45-8:15  
Thurs. 7:45-8:15

## Course Description:

This course is the second in a series of four electives. As described by PLTW, it provides an introduction to the biomedical sciences through exciting "hands-on" projects and problems. Students examine the processes, structures, and interactions of the human body systems to learn how they work together to maintain homeostasis (internal balance) and good health. Using real-world cases, students take the role of biomedical professionals and work together to solve medical mysteries. Hands-on projects include designing experiments, investigating the structures and functions of body systems, and using data acquisition software to monitor body functions such as muscle movement, reflex and voluntary actions, and respiratory operation. Important concepts covered in the course are communication, transport of substances, locomotion, metabolic processes, defense, and protection.

## Course requirements:

- You will add to your career journal from Principles of Biomedical Science.
- You will create a vocabulary list with definitions and will be quizzed on these terms weekly.
- You will keep a lab notebook for all activities, notes, homework, etc.
- You will be expected to perform in a laboratory setting.

## Grading Policy:

Final Exam	20% of overall grade
Tests & Major Projects/Labs	60%
Quizzes	20%
Daily Work, Labs, and Group Activities	20%
Homework and Career Journals	

#### Final Exam:

Your final exam will be an accumulative test. It has been written to measure how efficient you are with all the concepts, theories, and procedures presented in the course. The weekly vocabulary quizzes, projects, labs, and activities will assist you in preparing for the final exam.

#### Make up work:

If you miss class it will be your responsibility to make up any and all missed work. Because of the pace of the course, you may NOT make up work during class time. You will need to make up work from home or during my office hours. Special arrangements can be made between your parents and the teacher. Any notes missed can be obtained from classmates.

Assignments must be completed and handed in on time for maximum points. Points will be deducted for late work. (5 points per day—no excuses)

#### Materials Needed for Class:

Science lab notebook (\$10.00)  
Surviving the Extremes book (\$15.00)  
3-Ring Binder  
Graph paper  
Calculator (any)

If there is an issue with making the payment for the required book or supplies to let you know privately and something can be worked out.

## Daily Procedures for Non-Instructional Activities

### Turning in papers:

All papers must be turned in on time. You will place the white copy of all your work into the designated basket on the front desk. Do not allow another student to turn in your work.

### Extra help:

Special arrangements are to be made with the teacher when extra help is needed. The students are encouraged to form "Study Buddies Groups" to expand and share their intellectual resources.

### Passes:

Each student is given a total of 5 bathroom passes. No student is allowed to leave my room during class without a signed pass from me in an agenda book.

### Tardy procedure:

Attendance is taken at the beginning of each class. If you are late, and the door is closed, you will need to report to Mr. Jourdan's office, B-208 for a pass.

### Food in the classroom:

No food will be allowed in class. All drinks will be stored on the front desk. While working, with the laptops, accidents can happen. To maintain the equipment, no eating will be allowed.

### Behavior policy:

I do not anticipate any behavior issues. This is an advanced class and poor behavior will not be tolerated. In the event an issue arises, I will contact your parent to discuss my course of action. All CCSD policies will be followed strictly.

### Lab rules:

All lab safety rules must be followed. This includes wearing safety glasses and closed-toed shoes in the lab. No one will be allowed to participate in a lab without proper attire.