

# Heyworth High School

Science  
Physics I

*Course Information: Physics I*  
*Teacher: Hannah Boston*  
*Phone: 309- 473-2322 ext. 1120*  
*E-Mail: bostonh@husd4.org*

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## **Classroom Expectations**

Classroom expectations are posted on the wall in the classroom, and have been discussed in class.

1. **Be respectful.**
2. **Be responsible.**
3. **Be safe.**

I believe every possible disruption to learning is covered in the expectations above. If you are respectful, responsible, and are safe, we should have a successful class.

## **Homework**

There will be class time provided to complete MOST assignments. However, when homework is given, it should be turned in at the beginning of class on the day it is due. Homework provides a wonderful opportunity for you to improve your overall grade. No homework will be accepted late.

## **Make-up Work**

If you are absent, it is your responsibility to make up the assignments or tests you missed when you return. I will place all assignments in the hanging folder located next to the storage room.

## **Plagiarism**

I will not tolerate plagiarism. If I find that you have copied words, phrases, or ideas from a source without citing that source, the grade for your assignment will be a zero.

## **Citing Sources**

If you are unsure of the rules for citations in MLA format, scan the QR code below to reach the Purdue University Online Writing Lab website, a great online source.

<https://owl.english.purdue.edu/owl/resource/747/01/>



## **Materials**

You should always have the appropriate materials for class: A charged Chromebook, pencil/pen, and notebook. Your textbook is found on Google Classroom (there is a heading labeled “Textbook”). There are no physical copies of the textbook, only digital. We will go over how to use the textbook.

**Textbook:** *Essential Physics* by: Hsu, Chaniotakis, and Pahre and published by: PASCO Education

## **Google Classroom:**

On Google Classroom, the course’s plans will be posted, along with what was assigned. Most importantly, lectures and notes are also posted on Google Classroom. To access, please look for the section we are currently learning about, and select the date of the assignment in our Classroom’s Coursework section.

## **Help**

I am always available immediately following school to answer any homework or classwork questions. If you need help, please do not hesitate to ask. I am also available by email at any time, though I will not answer email sent after I leave the building until the next weekday.

## **Course Outline**

Semester 1:

- Chapter 1- Science of Physics
- Chapter 2- Physical Quantities and Measurement
- Chapter 3- Position and Velocity
- Chapter 4- Acceleration
- Chapter 5- Forces and Newton’s Laws
- Chapter 6- Motion in Two and Three Dimensions
- Chapter 7- Circular Motion
- Chapter 8- Static Equilibrium and Torque

Semester 2:

- Chapter 9- Work and Energy
- Chapter 10- Conservation of Energy
- Chapter 11- Momentum and Collisions
- Chapter 13- Angular Momentum
- Chapter 14- Harmonic Motion

After Chapter 14, as a class, we will decide which chapters appeal to us. We will choose from waves, sounds, electricity, light, properties of matter, thermodynamic, and/or quantum and nuclear physics.

## **A note to students and parents:**

Physics I is a weighted course, meaning that it’s graded on a 5.0 GPA scale instead of the typical 4.0 scale. The reasoning behind this is due to the difficulty of the course. Unfortunately, no college credit is earned, but the expectation is that students behave as college students during their time in Physics I. My expectations for Physics students are much higher than the average science student. Assignments are expected to be turned in on time and completed, behavior should reflect that of a college student, and absences should be kept to a minimum.