

**Prerequisites:** Students must be enrolled in, or have completed Algebra I.

**Background:** *This course will focus on the basic principles of physics in a conceptual context, emphasizing understanding, identification, and application of these principles as they relate to the everyday world around us. Although mathematics is the foundation of physics, this course will not be overly focused on problem solving. Students will engage in the concepts of physics by taking notes, participating in class discussions, observing demonstrations, utilizing computer simulations, and conducting experiments.*



## **Course Content:**

0. Measurement	3. Momentum & Energy
1. Motion	4. Waves
2. Forces	5. Electricity & Magnetism

**Required Materials:** Scientific or Graphing Calculator, 1.5 Inch Binder, writing utensils

**Textbook:** *Hewitt, Paul G. Conceptual Physics : the High School Physics Program. Menlo Park, Calif. :Addison-Wesley Pub. Co., 2006.*

\*A hard copy of the textbook will be kept in the classroom for student access, if required. No hard copies of the textbooks will be sent home with students, unless specifically requested. Any assigned readings and student work will be provided as a handout.

**Note:** *The information outlined below describes expectations, policies, grading, etc. under a normal classroom setting. For updated guidelines in effect during our “Virtual Learning Academy” click on the following [link](#) which will direct you to my school webpage.*

## **Class Expectations:**

1. Be on time and prepared every day! If you are late, you must have a pass.
2. Raise your hand when you would like to speak.
3. Use respectful language at all times.
4. Class time is for class time (Stay on task at all times!)
5. Electronic device use is **only permitted** if I give you specific instructions to do so. (This means no cell phones, smart watches, headphones, tablets, and/or laptops.)
6. Understand and respect the classroom grading policy outlined below

## **Grading Policy:**

❖ Here is the breakdown of how your marking period grade will be calculated:

### **1. Summative Assessments (80%)**

- **Quizzes and Tests [50%]:** There will be a quiz approximately **every 2 weeks**. Tests will occur at the end of a unit. Because of this advance notice of all tests, you must be prepared to make up the test the day you return to school if you are absent. No exceptions!
- **Laboratory assignments [30%]:** Lab write ups will collected and graded. In order to receive full credit on laboratory assignments, you must complete the assignment in its entirety, in the specified format. Only submitted work that is clear, concise, and correct will get earn full credit.

### **2. Formative Assessments (20%)**

- **Homework [10%]:** Homework will be either checked **or** collected daily. Homework submission is to be done upon entering the class. If your homework is incomplete upon collection, you may earn partial credit. If you are absent on the day an assignment is due, you *must* turn it in the day after you return to school.
- **Class Participation & Classwork [10%]:** Students will earn a participation grade based on classroom behavior, participation, and preparedness. Positive behavioral patterns include but are not limited to: answering questions posed during class, asking questions about content, maintaining focus and attention during class lectures/discussions, volunteering to help during demonstrations, and making positive contributions to assigned group work/labs.

❖ Here is a breakdown of how your final grade will be calculated:

- **Marking Period 1 (45%)**
- **Marking Period 2 (45%)**
- **Final Exam (10%)**

❖ **Note\*:** *During MP1, your grade will be based on a 50% Summative/50% Formative split.*

## **Schoology:**

Our new Learning Management System (Schoology) will be utilized for communication, completion of assignments, and collaboration between students. Over time, you will become comfortable with using this system. Should you need any assistance with navigating this system, let me know! The links for your schoology course pages are located on my webpage.