

# Physics

**Ms. Ozar**

**room 230**

## **Course Description:**

Physics emphasizes a more complex understanding of experimentation, the analysis of data, and the use of reasoning and logic to evaluate evidence. The use of mathematics, including algebra, inferential statistics, and trigonometry, is important, but conceptual understanding of physical systems remains a primary concern. Students build on basic physical science principles by exploring in depth the nature and characteristics of energy and its dynamic interaction with matter. Key areas covered in the course include force and motion, kinetic molecular theory, energy transformations, wave phenomena and the electromagnetic spectrum, light, electricity fields, and non-Newtonian physics. Emphasis is placed on the practical application of physics in other areas of science and technology and how physics affects our world.

## **Text:**

Physics Principles and Problems

## **Materials Needed:**

3 ring binder or notebook  
Pencils/pens  
highlighter  
calculator

## **Class Rules**

Be seated before the bell rings  
Always come with needed materials  
Food and drink are prohibited  
Cell phones are for outside of school

Talking or sleeping during instruction is not permitted

There are no bathroom passes. Please use the restroom before class

Homework is to be turned into the appropriate basket at the beginning of the hour. After that it is considered late.

## **Consequences:**

1<sup>st</sup> offense - **Warning**

2<sup>nd</sup> offense - **Parental notification**

3<sup>rd</sup> offense - **Discretion of the administration**

All following offenses – **Discretion of the administration**

**Violence, Destruction, or Harassment – immediately to the administration**

### **Course Requirements:**

Exams (100 points each)

Lab Reports (75 points each)

Quizzes (25 points each)

Homework (20 points each)

### **Class Expectations:**

Attendance is mandatory. If you have an excused absence, you have as many days as you were absent to make up the work. If you were absent the day of lab, please see me to get the alternate assignment.

Late assignments will be deducted 20% each day it is late

Plagiarism: a piece of writing that has been copied from someone else and is presented as being your own work

the act of plagiarizing; taking someone's words or ideas as if they were your own. Any form of this will result in the punishment defined in the student handbook.

### **Grading:**

Grades will be assigned according to the scale:

A 90 - 100

B 80 - 89

C 79 - 70

D 69 - 60

F 59 - below

Please sign and return to Ms. Ozar by this Friday  
we have read the above and understand the rules and expectations

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Parent Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Student Signature: \_\_\_\_\_ Date: \_\_\_\_\_ **I**  
**have read and understand Mr. Schweitzer's Physics syllabus and policies.**

**Signature of Student** \_\_\_\_\_

**Signature of Parent** \_\_\_\_\_