

**Physics**  
Ms. Liefer  
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**Course Description:**

Physics is a rigorous mathematically based science. The physics curriculum 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 and trigonometry, is important, but conceptual understanding of physical systems remains a primary concern. Students build on basic physical science principles by in-depth exploration of the nature and characteristics of energy and its dynamic interaction with matter. Key areas covered by the standards include motion and force, energy transformations, wave phenomena and the electromagnetic spectrum, light, electricity, and fields. The standards stress the practical application of physics in other areas of science and technology and how physics affects our world.

**Grading:**

*Components for each term:*

Tests and Quizzes:	50%
Labs and Projects:	35%
Homework and Class Work:	15%

*Scale:*

90 – 100%	=	A
80 - 89%	=	B
70 – 79%	=	C
60 – 69%	=	D
0 – 59%	=	F

It is better to complete the assigned work rather than count on extra credit to save your grade! Daily practice, review, and enrichment are essential to success in this course. Keep your homework assignments and notes for future reference. Class work will range in structure from warm ups and note-taking to group and independent work. You will receive one class work grade for every week of warm ups. Unexcused tardies and absences as well as not completing this work will result in no credit for that day. Late homework will result in a 20% deduction for each day overdue. There is NO deduction for excused absences. Homework is mostly graded on completion. I usually go over homework in class the day it is due so you receive immediate feedback and have the opportunity to correct your work.

You have the opportunity to **retake any test or quiz** if you are not satisfied with your grade. You will need to stay after school with me two days for each test: one day to review your old test and another day to take a different version of the test. You will have a limited amount of time to retake tests and quizzes after they have been passed back.

Safety is a main concern during all activities and labs. Removal from the lab for any reason will result in a score of 0% for that lab activity or report.

**Materials:**

You are responsible for bringing these materials to class every day: Binder, pens, pencils, paper, scientific or graphing calculator, graph paper

**Academic Dishonesty:**

The following were developed as a class to describe academic dishonesty and the consequences:

- Dishonesty and plagiarism will result in a zero for the assignment or assessment, a student/teacher conference, parent communication, and discipline from administration in accordance with school policy.
- Copying homework results in an automatic 0

**Class Expectations** *(All school rules apply)*

Our class developed these general expectations:

- Be respectful
- Be respectful and quiet during instruction and presentations
- Participate in class
- Come prepared

Our class developed these guidelines for cell phones:

- Cell phones should not be a distraction in class
- Phones may be used during down time, like during individual work time, NOT during direct instruction or group work
- Students will encourage each other to use their phones responsibly

**Attendance, Make-ups and Tardies:**

Attendance is an important part of this class. It can be extremely difficult to make up work and understand the concepts if you are not present.

Our class also developed these policies for unexcused tardies:

- An unexcused tardy will result in 0 points for the daily warm up
- You can earn extra credit points by coming to class on time. Unexcused tardies results in the forfeiture of these points.

**Office Hours:**

This year I teach at CV for 3<sup>rd</sup> and 4<sup>th</sup> periods only. I will be available after school until 3:30 for assistance and retakes. I can often be found in room 8200 and in my VPA office.

**SIGN AND RETURN**

I have read the Physics 2018 syllabus. I understand all the policies therein and agree to abide by them.

Student signature: \_\_\_\_\_

Student name (print): \_\_\_\_\_

Parent signature: \_\_\_\_\_

Parent name (print): \_\_\_\_\_

Good contact phone number: \_\_\_\_\_

Parent e-mail address: \_\_\_\_\_