

**Teacher: Casey Miller**  
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**Classroom = 1134**  
**Chemistry = 1<sup>st</sup>, 2<sup>nd</sup>, 4<sup>th</sup>, 5<sup>th</sup>**  
**Physics = 7<sup>th</sup>, 8<sup>th</sup>**

**Purpose Statement** – We are dedicated to providing students with a high quality education and preparing them to thrive in a dynamic society as caring, creative, and responsible adults

**Vision Statement** – Quality students today... Dynamic leaders tomorrow

# Physics

## COURSE DESCRIPTION

Physics is a full year course that will introduce the topics of Kinematics, Newtonian Mechanics, Conservation of Momentum, Conservation of Energy, Gravity, Electrostatics, Waves, Magnets, Electromagnetism, Optics, Nuclear Physics, and Relativity. The course will also use these topics of physics to teach valuable skills such as reading and writing scientific texts, inquiry, data collection, data analysis, mathematics, and advanced thinking techniques.

## COURSE WEBSITE & FEES

- Information and materials for the class can be found at: <http://hhsrmiller.weebly.com/physics.html>
- A \$15 class-fee must be taken to the office and a receipt brought to the teacher by midterm of 1<sup>st</sup> quarter.

REQUIRED MATERIALS – Each of the following must be brought to class each day:

- 1) Physics Textbook
- 2) 3-Ring Binder with Paper
- 3) Pencils and/or Pens (black or blue please)

RECOMMENDED MATERIALS – The following items will help make the class much easier on a daily basis:

- 1) Scientific Calculator
  - TI-83 Plus or higher is recommended, but anything with trigonometry buttons and an exponent button will be just fine
  - CELL PHONES DO NOT COUNT!!!

GRADING SYSTEM – Each student earns points for their grade on their performance in the following categories:

- a) Participation – Being attentive during lectures, contributing to discussions, being on-task, and following directions each day.
  - Half of the participation points are lost for a tardy.
  - Only school activities will excuse participation points for a class period
- b) Quizzes – Short formative assessments to see how well the student has prepared and learned the materials
  - Starters will be at the beginning of each class based on the reading assignment for that day
  - Quizzes will be at the end of each class based on the skills and techniques learned in the course
- c) Homework – Worksheets that tie everything together and prepares the students for the tests on the material
  - Each chapter will have a specific color-code which will match the website so the students know when it will be due and on what material it will cover
- d) Labs – Formative assessments that allow the students to take the theoretical information learned in the class and apply it to a situation where they are using their hands and work as a team to uncover laws of nature
  - Each lab will require some sort of assignment to be turned in to receive credit. Sometimes it will just be a worksheet to fill out and submit, other times it will be a complete lab report written in scientific format.
- e) Tests – Summative assessments for the students to demonstrate mastery of content and skills for that unit
  - One test may be retaken each quarter. In order to retake the test, the student must:
    1. Inform the instructor which test they wish to retake
    2. Complete the test retake sheet and remediation assignment for that test
    3. Attend at least one MAP session with the teacher to demonstrate that they have reviewed the material and are better prepared for the test
    4. Complete the test retake prior to the last day for late work for that quarter
  - THE RETAKE SCORE WILL BE THE ONE THAT GOES ON YOUR GRADE... EVEN IF IT IS LOWER THAN THE FIRST TIME YOU TOOK THE TEST

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## Physics

### GRADING SCALE

A = 93% or Higher	B- = 80 – 82%	D+ = 67 – 69%
A- = 90 – 92%	C+ = 77 – 79%	D = 63 – 66%
B+ = 87 – 89%	C = 73 – 76%	D- = 60 – 62%
B = 83 – 86%	C- = 70 – 72%	F = 59% or Lower

### MAKE-UP & LATE WORK POLICY

- Any assignment missed due to an absence can be turned in up to 5 school days after returning for full credit. After the 5 school days, the assignment falls under late work policy:
  - Participation – No late participation is accepted
  - Quizzes – Quizzes cannot be made up. For every 6 quizzes, 1 will be dropped from the grade each quarter. Any quizzes missed due to an absence will be the 1<sup>st</sup> ones dropped.
  - Homework – After the due date, the assignment can be turned in the next class period for half credit, or the period after that for completion credit only.
  - Labs – After the due date, the lab can be turned in the next class period for half credit, or the period after that for completion credit only. Final Projects cannot be turned in late. If you are not going to be here, you must make sure your project is already turned in so it can be graded and entered by the end of the quarter.

### ATTENDANCE, CELL PHONE, DRESS CODE, and ACADEMIC DISHONESTY

The policies found in the student handbook will be followed and enforced.

### CLASSROOM RULE

- Show respect to the school, the teacher, and the students in the class
  - All rules boil down to this one rule. Show respect for the school by taking care of the facilities, classrooms, and all materials within it. Show respect for the teacher by being on-time, prepared, and by following directions. Show respect for the students by allowing them to learn in a positive environment.
    - The use of cell-phones during instruction time is not respectful and will not be allowed during class. Students who have phone out during class will lose their participation points for the day and the phone may be confiscated for the remainder of the period.
- Following this rule will result in a positive and fun learning environment where everyone feels respected and can focus on learning the material and skills for the class.

### CONSEQUENCES

- Verbal Warnings – Each student will be given a verbal warning on the first and second minor offense during a class period. “Please stop talking while Suzy is talking” is an example.
- Dismissal from Classroom – On the 3<sup>rd</sup> disruption of the class, the student will be asked to sit outside the door in the hallway until the class is finished with that portion of the lesson and a 1-on-1 conference between the student and teacher will occur prior to the student being allowed back into class.
- Parent Contact – If a student is dismissed from the classroom for a second time in a quarter, the teacher will make contact with the parent/guardian discussing behavior.
- ANY MAJOR OFFENSE WILL RESULT IN IMMEDIATE DISMISSAL FROM CLASS, STUDENT WILL BE SENT TO THE OFFICE, AND PARENT/GUARDIAN WILL BE NOTIFIED

### GETTING HELP & OFFICE HOURS

- The best time to get help is not after you fall behind, but before you fall behind! Any student who needs individual help with anything can come in during my office hours to receive help.
  - All Year = 7:00 AM until school starts on Mon-Thu
  - 2<sup>nd</sup> Semester = 2:30 – 3:00 PM on School Days
  - All other times by appointment only