

# Course Information Guide

## Physics I

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## Course Description

Physics is the study of how the universe works on the most fundamental level. In this class, you will use your powers of observation and logical as well as mathematical reasoning to describe, explain, and predict the behavior of objects.

**Course Goals** As a result of taking Physics I, you will:

1. Know and understand the process that is used to make the scientific discoveries that are reported in the media or in the workplace
2. Understand the scientific principles that underlie motion, forces, waves, and electricity.
3. Apply your mathematical skills to solving real-world problems
4. Develop problem solving and scientific literacy skills

## Classroom Expectations

<b>Accountable</b>	1.	Start the period with your <b>calculator</b> , <b>notebook</b> , and <b>reading book</b> on your desk.
	2.	Bring your <b>computer</b> and <b>charger</b> with you every day.
	3.	Take care of restroom breaks outside of class. <i>In the rare event that you'd need to use the restroom during class, I will only fill out a pass in your own agenda. Also, I will only do this a maximum of once per week.</i>
	4.	Be in the classroom by the time the bell rings. <i>My tardy policy is the same as the school's. You are tardy if you are not in the classroom by the time the bell rings. You will be given a detention on your 3<sup>rd</sup> and 4<sup>th</sup> tardies and referred to Saturday School for 5<sup>th</sup> and 6<sup>th</sup> tardies.</i>
<b>Respectful</b>	5.	SSR time is for silent reading. <i>We will have 10 minutes of sustained silent reading (SSR) at the beginning of the period. Why do we do silent reading in a science class? Research shows that people who read do better in school and have lower levels of stress. It also is an opportunity to take a breath and set the tone for the class period.</i>
	6.	Quietly listen to the speaker.
<b>Engaged</b>	7.	Keep phones and earbuds put away. <i>In Physics class, there is no instructional need for cell phones or earbuds. They should therefore be put away at all times. Failure to comply will result in the progressive discipline outlined in the AHS Student Handbook.</i>
	8.	When you are finished with your work, you may read a book.
	9.	Stay engaged and working until the <b>two-minute alarm</b> .
	10.	Persevere through difficult problems.

Name:

Date:

Period:

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## Required Materials

You are expected to bring the following materials with you to class every day.



Notebook  
(will be provided to you)



Reading  
Book



Charged  
Laptop



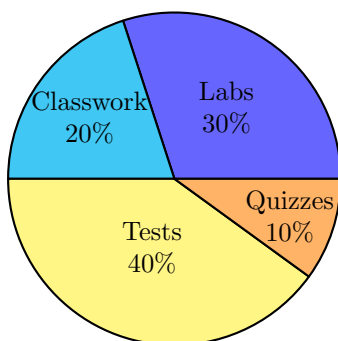
Computer  
Charger



Student  
Agenda

## Methods of Evaluation

Your pre-exam grade will be based on the methods of evaluation shown below. The weighting of each of these categories is subject to change. Your overall class grade will consist of the pre-exam grade (85%) and the final exam grade (15%).



Tests may be corrected for half credit back on missed questions. Test corrections are due by midterm. In other words, test corrections for units completed before the midterm will not be accepted after the midterm. Directions on how to do corrections will be given later.

## Other Class Policies

**Late Work** Deadlines for assignments will be announced in class and posted on Schoology. Late work is subject to a 50% penalty. Late work for a particular unit will not be accepted after the test is given for that unit.

**Absences and Makeup Work** If you are absent, it is your responsibility to check Schoology for your required makeup work and contact Mr. Rohrbach with any questions. Required makeup work is due in a timely manner. Mr. Rohrbach will often also post additional video explanations and recordings on Schoology for students who are absent. You should plan to watch these recordings and take notes over them before you return to school.

There are some activities that we do in class which will not need to be made up. Students with *excused* absences will be exempted from these assignments in the grade book. Students with *unexcused* or *unverified* absences will receive a zero, which cannot be made up. This is in line with the policy in the AHS Student Handbook.

**Contacting Mr. Rohrbach** Parents and students should feel free to contact Mr Rohrbach at any time via email ([ZJRohrbach@avon-schools.org](mailto:ZJRohrbach@avon-schools.org)), phone (317-544-5000 x5131), ParentSquare, or Schoology.