

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

Required Materials

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



Notebook
(will be provided)



Reading Book
(from school library)



Pen or Pencil



Laptop



Computer Charger

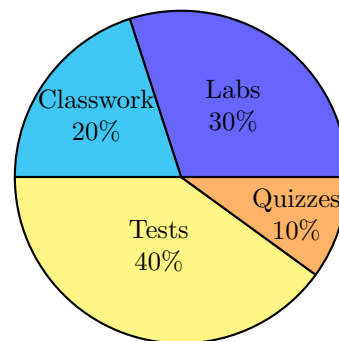
Additionally, please purchase and bring one package of three or four clear tape dispensers into the classroom for communal use by Friday, August 8. We will be using these to tape important information into your notebooks as the year progresses.



Methods of Evaluation

Your pre-exam grade will be based on the methods of evaluation shown to the right. 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.



Classroom Expectations

- Accountable**
1. Bring all required material (detailed on the previous page) with you to class.
 2. Be in the classroom by the time the bell rings.

My tardy policy is the same as the policy listed on p. 12 of the AHS Student Handbook. You are tardy if you are not in the classroom by the time the bell rings. You will be given a detention on your 3rd and 4th tardies and referred to Saturday School for 5th and 6th tardies.

- Respectful**
3. SSR time is for silent reading from a physical book.
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.

4. Keep **phones, earbuds, and headphones** in your backpack for the entire period.
I will start every period reminding you to put your phones, earbuds, and headphones in your backpacks. They should not be out for any reason. Failure to comply will result in the progressive discipline outlined in the AHS Student Handbook on p. 25. Furthermore, use of phones, earbuds, or headphones for any reason during a test or quiz will result in a zero—even if the test has been turned in.

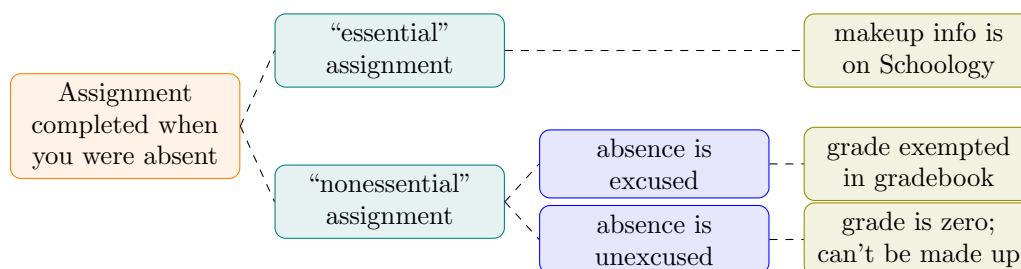
- Engaged**
5. Restroom breaks need to be taken care of outside of class or using one of your six quarterly passes in your notebook.
 6. Stay engaged and working until the **two-minute alarm**.
 7. Persevere through difficult problems.

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 “nonessential assignments” 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 on p. 14.



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