

**Fairview High School**  
**Physics - Mrs. Houser**

**Course Description:**

This course focuses on problem-solving techniques; visual modeling, graph interpretation, equations. This course will help you connect the concepts of physics to your real world experiences. You will develop critical thinking and communication skills through problem solving and various activities. It will give you a deeper understanding of the science processes that go on around you. Topics studied will include (but not be limited to) motion, forces, waves, light, energy, momentum, and electricity. This class will incorporate projects, demonstrations, laboratory activities, assignments, and tests.

The most important thing I can do for you is teach you learning skills, NOT STUFF. This may prove to be one of the most challenging courses you will take in high school. There will be occasions which will test your patience and perseverance. Those are the moments in which true learning will occur. DO NOT GIVE UP!

**DAILY REQUIRED MATERIALS**

- Pen/Pencil
- Loose leaf paper (for notes and assignments)
- 3-ring binder (1-1/2") or very sturdy folder for all daily papers
- Calculator (make sure it can perform Sin, Cos, Tan functions)
- Macbook (we will use this daily)
- **Headphones/earbuds**

**Google Classroom:** The google classroom page will be updated frequently with the day's assignments, notes and lectures. It will also have important classroom news posted.

**Evaluation Procedures:** Grades will be determined on a percentage based system where each category will be worth a certain percentage towards your quarter grade. The following list shows each category and its weight toward your grade:

<b>Quizzes and Tests:</b>  60%	<ul style="list-style-type: none"><li>● Quizzes will be roughly 1-5 questions in length and will be worth 10 pts. Each quiz will be aligned with the current topic of study and/or assignments.</li><li>● Final tests for each unit will be worth 100 points and will be cumulative (include knowledge and skills from previous units).</li></ul>
<b>Labs:</b>  25%	<ul style="list-style-type: none"><li>● If you miss a lab you will be given <b>one</b> week to make it up, if you do not come within that window of time a zero will be given for that lab.</li><li>● Lab write-ups are always due three school days after the lab is completed in class.</li><li>● Lab activities not requiring a write-up will be collected at the end of class.</li><li>● Labs are always worth 100 points.</li></ul>
<b>Assignments:</b>  15%	<p>You will have assignments on a regular basis. This may be everyday depending on the material we are covering. The assignments should take you between 5-25 minutes. <b>If you are struggling with an assignment, then you need to come to office hours (8th period Tuesdays and Wednesdays, other days with prior arrangement).</b></p> <ul style="list-style-type: none"><li>● Assignments will be checked at the beginning of class.</li><li>● Assignments are worth up to 2 points and are SOLELY a participation grade: either the student attempted the complete assignment (writing a narrative (statements of understanding, as well as questions for items they cannot complete), earning a 2, partially completed the assignment, earning a 1, or did not attempt the assignment, thereby earning a 0.</li><li>● You will not get a grade on late Assignments.</li><li>● All assignments can be found on Google Classroom.</li></ul>

With minor exceptions, all assignments, notes, and class activities will be kept in your physics binder/folder. This binder/folder itself will not be graded, however keeping an organized binder/folder will benefit you.

## MISSING/LATE WORK:

**Labs:** Accepted late for a 30% penalty, up until the day of the unit exam

**Late Homework and Classwork:** NOT accepted

- All missing assignments are IMMEDIATELY marked as a missing, including assignments missed due to an excused absence.
- If an assignment is late due to an absence, the assignment is due the day the student returns to school; there will be NO EXTENSION due to missed days.
- If an assignment is missed due to an absence, the student should make arrangements with the teacher to complete this assignment or an alternative assignment.
- Once a late or missing assignment has been turned in, please allow up to five working days for the assignment to be reflected in the gradebook.

## Cellphones/Internet Enabled Devices

Before quizzes and tests, ALL phones will be collected. These phones will be stored in a basket within arm's reach of the teacher. Phones will not be returned until all students are done taking the exam. Students caught in possession of ANY internet-enabled devices during an assessment will receive all of the consequences for cheating, in addition to other penalties, and will NOT be permitted to finish or redo the original assessment.

## Expectations of Student Behavior

### A. General Expectations

1. Bring the following to class every day:
  - a. Binder, writing utensils, calculator
2. Be on TIME.
3. **Show Work – For Credit**, or provide explanations (if written) in your response to questions (assignments, quizzes and tests).
4. **Tests** – You are expected to take tests on the day they are scheduled even if you were absent for any review that may occur.
5. **Absences** – you are responsible for finding out what was missed.
  - a. **Check Google Classroom! Ask a friend!**
  - b. **To make up a quiz or test your absence must be excused.**
6. **Use class time productively** - Wasting class time provided for physics discussion/assignments gives the impression that
  - a. You value other classes over Physics
  - b. You are unable/unwilling to forget about your extracurricular life for the brief class time we meet.
  - c. You do not value the opportunity provided to learn.
7. **Respect**



The room/LAB	Each other	The teacher
<ul style="list-style-type: none"><li>• Leave science lab equipment alone until instructed to do so.</li><li>• Conduct laboratory investigations responsibly and safely. (no horseplay)</li><li>• Clean up your work area at the end of class. Leave it cleaner than when class started.</li></ul> <p><b>Misbehavior that results in damage to equipment will result in monetary penalties, a referral to administration, and possible removal from all future lab investigations.</b></p>	<p>Everyone has the right to feel safe to speak and be heard in class.</p>	<ul style="list-style-type: none"><li>• Pay attention to instructions.</li><li>• Notify the teacher immediately if equipment breaks.</li><li>• HONOR EXPECTATION #6.</li></ul>

8. Phones **may** be permitted during labs, if necessary (timers, slow motion video analysis, measuring inclines, etc). Any use outside of the lab is not allowed.

**Consequences:** Violating the above rules, as well as any school rule that causes a disruption to classroom learning will result in the following:

**1<sup>st</sup> offense: Verbal Warning**

**2<sup>nd</sup> offense: Detention and contact parents**

**3<sup>rd</sup> offense: Referral to AP and parent contact**

This series of consequences can be altered at any time due to extreme offenses that cannot be ignored. Examples of extreme offenses include: excessive language with cursing or crude comments, violence, ignoring specific instructions in the lab, etc.

## B. INTEGRITY/HONOR EXPECTATIONS

TRUST

HONESTY

1. You will collaborate with your classmates during laboratory exercises and class assignments. **“Collaboration” does not mean “copying.”**
2. **At no time, whether in a lab or on collaborative assignments, is simply copying another student’s work acceptable.** Laboratory data may only be shared with students who actively participated in collecting that data.

Your name on a test, quiz, or assignment to be turned in for a grade is a pledge that this is YOUR work.

### Examples of Collaboration with Integrity

1. Help help each other - but do not allow someone else to copy your work to “look at later”.
  - a. You could verbally guide a friend step-by-step through their solution to a problem.
  - b. A friend may, in your presence, look briefly at your work to start himself in the right direction, but no one should ever be using another student’s written solution as a detailed reference.
2. Working in a lab group to collect data.
  - a. Sharing data with students who actively participated in collecting that data.
  - b. Discussing key interpretations and limitations of lab data.
3. **Use the 5 foot rule:** When you are actually writing something to be turned in, sit at least 5 feet from any other student.
  - a. When doing homework - sit well apart while writing.
  - b. Sit close to have a conversation/discussion, then separate yourselves to write.

Once again: **“Collaboration” does not mean “copying.”**

### Plagiarism and Cheating

Cheating is considered a violation of the Student Code.

Dishonesty/Cheating: This means copying/plagiarizing another’s work and submitting it as one’s own. Examples include:

- Using a cell phone to transmit test items, test answers or other secured information to others or obtaining material or work from a teacher or another student in a dishonest or unauthorized way.
- Copying assignment/homework responses of another student.
- Requesting, offering, giving or receiving information during a quiz.
- Presenting the labor, language, structure or concepts of others as one’s own original work.
- Disseminating, distributing, copying, printing or creating derivatives of the intellectual property of others (e.g., homework, projects) without authorization.

**Consequences of cheating will be dealt with according to the student handbook.**

**Syllabus Revision:** The teacher reserves the right to revise the syllabus at any point when deemed necessary and appropriate for the needs of the students.

# Physics Syllabus Acknowledgement and Compliance 2022 - 23

\_\_\_\_\_ **Class Period:** \_\_\_\_\_

**Student (Print)**

**Student Acknowledgement:** Please initial.

\_\_\_\_\_ I understand that safety violations in the lab will not be tolerated for any reason and will bar me from future lab activities. Any labs that I am barred from will be recorded as zeroes.

\_\_\_\_\_ I have read and fully understand the late work policy.

\_\_\_\_\_ I have read and fully understand the cell phone policy.

\_\_\_\_\_ I have read and fully understand the cheating policy.

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

\_\_\_\_\_  
**Parent / Guardian Signature**

**Parent / Guardian Contact Information:**

**Name (Print):** \_\_\_\_\_

**Phone number:** \_\_\_\_\_

**Email:** \_\_\_\_\_