



# Pre-AP Physics

## Course Information Sheet

**Mrs. Lori Calloway**

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**Voicemail:** 469.752.9300 x39388

**Room:** B222 **Planning period:** 3<sup>rd</sup>

Pre-AP (Honors) Physics is a first-year algebra-based physics course dealing with a broad range of topics. Topics to be studied include: Motion, Force, Interactions, Electromagnetism, Waves, and Modern Physics. We are mainly interested in the concepts behind physical phenomena; however, a strong algebra and geometry background is necessary to express these concepts using mathematical equations.

**Online Textbook:** Physics Principles and Problems by Paul W. Zitzewitz. You can access the book at **connected.pisd.edu** using your PSHS login and password.

**Google Classroom code:** **ayygai5**. I keep daily logs what is done in class under “Stream” so check this when you are absent. I will also post calendars, resources, and announcements.

**Remind:** Text @7c1a2 to 81010 to join. Both parents and students are welcome to join.

### Materials:

1. Spiral notebook or notebook paper *to take notes*
2. Binder or folder *to hold papers*
3. Scientific or graphing calculator (you can check these out from the library or daily from me)
4. **Box of KLEENEX and**
5. \_\_\_\_\_ **(for a homework pass!)**

**Grading:** In accordance with district guidelines, each nine weeks (quarter) will be graded as follows:

<b>75% of Grade (Major grade)</b>	<b>25% of Grade (Daily grade)</b>
Summative Assessments	Homework/Classwork
Performance Assessments	Quizzes
Skills Assessments	Labs
Processing Assessments	

Summative Assessments – Written tests (which will usually be multiple choice and short answer)

Performance Assessments – Demonstrates your knowledge of concepts covered in the current unit and possibly prior units.

Skills Assessments – Checks for understanding of lab skills and related problem solving

Processing Assessments – Checks for understanding of process skills (graphing, data collection and analysis)

Homework, Classwork – Mostly checked for completion with a stamp given on the calendar on the due date

The semester grade is calculated by 40% 1<sup>st</sup> Quarter, 40% 2<sup>nd</sup> Quarter, and 20% for the semester exam

**We use the Point System:** Each assignment is given a point value based on the difficulty and length of the assignment. For example, a homework assignment might only be worth 5 points (daily grade) whereas a test will be worth more, usually 100 points (major grade). You can check your grades on mypisd.

**Make Ups:** Make ups due to EXCUSED absences will follow PISD policy. Example: If you are absent 2 days, then you have 2 days to make up the work missed. Make sure you turn in a note to the Student Center whenever you are absent so your absence will be excused. Check my Google Classroom to see what you missed. There will be NO credit given for unexcused absences. The teacher should be notified of planned absences as some work can be done before the leave. ***It is the student's responsibility to schedule make-up times for quizzes, tests, etc.***

**Late Work:** Homework/Classwork will NOT be accepted late.  
Major grades will be accepted late with a reduction of 10% for every day it is late.

**Cell Phones:** ...should not be used during class.  
...will be collected when leaving class to use the restroom  
...will be put away in backpacks at lab tables during quizzes and tests

**Class Rules:**

1. Please be considerate when others are talking-LISTEN CAREFULLY.
2. Be respectful to yourself, others, and items in the classroom.
3. Follow all directions and safety rules.
4. Come to class on time, prepared, and ready to be productive.

**Tutoring/Lab Make-ups:**

DAY	TIME	ROOM #	TEACHER
Tuesday	A lunch	B221	Wolff
Tuesday	B lunch	B222	Calloway
Thursday	4:20-5:00	B226	Reczek
***NO TUTORING ON TEST DAYS*** Bring your lunch to lunch tutorials *If a student does not arrive for tutorials within 15 minutes, the teacher may leave*			



**Topics by semester:**

*Fall*-constant motion, changing motion, 2D motion, Newton's laws, circular motion/universal gravitation, work and energy, thermodynamics, impulse/momentum

*Spring*-electrostatics, circuits, magnetism, mechanical waves, electromagnetic waves, modern

**Helpful tips and keys to be successful in Pre-AP Physics:**

- Attend class daily
- Keep up with the teacher's Google Classroom
- Keep a calendar and record all assignments and due dates
- Be responsible for your make-up work
- Engage in class discussion regularly and ask questions whenever you need to
- Take detailed notes
- Come in for help during tutoring. Know that you can visit with ANY PreAP physics teacher for help
- Create a study group either in person or online
- Make good use of class time
- Complete your homework
- Use the online book as a reference
- Use other online references:
  - ✓ **Physicsclassroom.com**
  - ✓ Phet.colorado.edu/
  - ✓ Hyperphysics.phy-astr.gsu.edu/hbase/hph.html
  - ✓ Gravitykills.net
  - ✓ Aplusphysics.com
  - ✓ Brightstorm.com
  - ✓ You tube (Veritasium, V sauce, minute physics, Khan Academy, Crash Course)
- Use the Study Guide. There is one for every unit and they include the targets that you need to know as well as sample multiple choice and short answer questions
- Let me know if you are struggling!! We can come up with a plan for success!
- *When you struggle you are still learning! It might even be more valuable than if you got it right the first time. Please remember that failure is part of the process of lifelong learning*