

# Physics Course Information Sheet

Honors Physics is a first-year, inquiry-based introductory physics course dealing with a broad range of topics. Topics to be studied include: Motion, Force, Interactions, Electromagnetism, Waves and Modern. 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.

## **Contact Information:**

Email: [shannon.reczek@pisd.edu](mailto:shannon.reczek@pisd.edu)

Voicemail: (469) 752-9300 ext. 39468

## **Textbook:**

Physics Principles & Problems by Paul W. Zitzewitz. The link for the textbook is located on Google classroom.

## **Google Classroom Code:** **yI9uun**

I will use Google classroom to post calendars, packets, and announcements.

## **Remind101:**

Enter this # 81010 and text this message **@mrsreczek**

I will use this to send out reminders about quizzes and tests, absences, etc.

## **Materials:**

Each student should provide the following supplies:

1. An excellent attitude
2. Spiral notebook or notebook paper
3. 3 ring binder or folder
4. Scientific calculator such as TI-30X or graphing calculator
5. Mechanical pencils for classroom
6. 1st period - AAA batteries; 4<sup>th</sup> Period - Expo Markers; 5<sup>th</sup> Period – Expo Markers; 6<sup>th</sup> Period –kleenex ; 7<sup>th</sup> Period – AAA batteries for classroom

## **Grading:**

In accordance with district guidelines, each six weeks will be graded as follows:

<b>75% of Grade</b>	<b>25% of Grade</b>
Summative Assessments	Homework/Classwork
Performance Assessments	Quizzes
Skills Assessments	Labs

## **We use the point system!!**

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

Summative Assessments – Are your tests which will usually be multiple choice and short answer

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

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

Homework, Warm-ups, Classwork - Graded via stamps on calendar. Some will be collected for accuracy

## **Late Work:**

Homework/Classwork will NOT be accepted late

Performance Assessments will be accepted late with a reduction of 10% for every day it is late.

## **Make Ups:**

Unexcused absences – all work missed receives a grade of 0.

Unplanned absences - If absence is excused then you will have 1 day for every day that you are out (i.e. out 2 days then you have 2 days to makeup the assignments)

Planned absences – must speak with teacher before absence to make arrangements (some work could be due before you leave and some after)

*It is the student's responsibility to schedule make-up times for quizzes, tests, etc.*

### Cell Phones:

**No cell phones to be visible during class time unless permission is granted by your teacher.**

### Lab Makeups and Tutoring:

DAY	TIME	LOCATION
Monday- Friday	A lunch	B222
Monday- Friday	B lunch	B221
***NO TUTORIALS ON TEST DAYS***		
<b>IMPORTANT: Students must obtain a pass for Physics tutorials from his or her teacher in order to be able to enter the building during lunch</b>		

**Class Standard Operating Procedures:** Most class materials are included in the booklet that is distributed the first day of class. Supplemental class materials will be on the lab table closest to the door and are to be collected by students as they enter the classroom. The student is responsible for contacting the teacher for make-up work in the event of absence.

### Class Rules:

**Be SAFE; Be RESPECTFUL; Be READY TO LEARN**

### Course Scope and Sequence

#### Fall Semester

Constant Motion  
Changing Motion  
Newton's Laws  
2 Dimensional Motion  
UCM/NLUG  
Work and Energy

#### Spring Semester

Thermodynamics  
Impulse and Momentum  
Electrostatics  
Circuits  
Magnetism  
Mechanical Waves  
Electromagnetic Waves  
Modern

### Tips to help you be successful in Pre-AP Physics

- **You can get help during any lunch period in the Physics Lab.** Just be sure to get a pass from your teacher.
- **Attend class daily** and if you are absent then be responsible for your **make-up work**. (Check the calendar)
- Engage in class discussions regularly and **ask questions** whenever you need to.
- **Take detailed notes** in class.
- Make good use of class time.
- Complete your **homework**. Practice makes perfect!
- Know where the course materials are located.
  - [www.classroom.google.com](http://www.classroom.google.com) (packet, textbook link, calendars)
- Form **study groups** with students so you can study outside of class.
- **Know the Calendar.** Look at it every day and make sure you know what you need to complete for class today and tomorrow.
- **Know the Study Guide.** There is a study guide for every unit which includes the learning objectives, sample multiple choice questions, sample short answer, and sample free response questions.
- **Email me if you have any questions or concerns. I am here to help you succeed.**
- If you are still having difficulty then there are additional websites that can be useful
  - <https://phet.colorado.edu/>
  - <http://hyperphysics.phy-astr.gsu.edu/hbase/hph.html>
  - [www.physicsclassroom.com](http://www.physicsclassroom.com)
  - [www.gravitykills.net](http://www.gravitykills.net)
- Remember if you are struggling you are still learning! It is valuable to make mistakes and learn from them. Problem solving can be challenging, but is achievable with practice. You can do it!