

2023-2024 Syllabus – AP Physics 1

Dr. Suspa Chowdhury Sinha

Classroom Objectives:

- Maximize learning opportunities for all students via diverse and data-driven instruction
- Foster a community of respect, integrity, and inclusion both in and out of the classroom
- Share personal experiences and knowledge to help students succeed in all aspects of life

Information from College Board regarding the AP Physics 1 Course:

AP Physics 1 is an algebra-based, introductory college-level physics course. Students cultivate their understanding of physics through inquiry-based investigations as they explore these topics: kinematics, dynamics, circular motion and gravitation, energy, momentum, simple harmonic motion, and torque and rotational motion.

The AP Physics 1 Exam assesses student application of the science practices and understanding of the learning objectives outlined in the course framework. The exam is 3 hours long and includes 50 multiple-choice questions and 5 free-response questions. The 5 free-response questions may appear in any order on the AP Exam. A four-function, scientific, or graphing calculator is allowed on both sections of the exam.

AP Physics 1 Tentative Unit Schedule:

<u>Unit</u>	<u>Date Range</u>
1 – Kinematics	8/28 – 9/29
2 – Dynamics	10/2 – 10/27
4 – Energy	10/30 – 12/1
5 – Momentum	12/4 – 12/15
Fall Sem Final	12/18 – 12/22
3 – Circular Motion	1/9 – 1/23
6 – Simple Harmonic Motion	1/24 – 2/13
7 – Rotational Motion	2/14 – 3/22
Review	3/26 – 5/16
Research Project	5/18 – 5/31

AP Physics 1 Exam: 17th May 8 am

Teacher Contact Information:

Schowdhu@houstonisd.org

281-920-8000 extn. 222

"Remind" App Code: Send a text to 81010 text @4774gga

Non-Instructional Time Summary:

Description	Days / Times	Purpose
Tutorial Hours	M/Tu: 12:00 – 12:30 W: 11:35 – 12:00	Student support, long clarification, solving any issues.
Conference Period	M/Tu/F: 9:46 – 10:37 W: 8:50 – 10:22	Parent / Teacher conferences, instructional planning, administrative tasks
Quiet Time	6:00pm – 7:00am, Weekends	Dr. Sinha's time away from work (though I often respond to school-related messages)

Classwork and Grading Policy

- Assignments for AP Physics will include reading, labs, and other homework
 - Assignments will be listed in Canvas but may utilize other digital resources
 - Homework assignments in AP Classroom must be submitted digitally, but each submission must be accompanied with work shown on paper (turn in BOTH)
 - This is a college-level course; therefore college-level rigor and difficulty are required
 - Students should expect significant time spent on the class OUTSIDE of class hours
- Each assignment will include a due date to ensure content is learned at the appropriate time
 - Assignments completed on or before the due date will have a maximum score of 100%
 - Assignments completed after the due date will have a maximum score of 80%
 - No assignments will be accepted more than three days after the original due date
 - For extenuating circumstances such as excused absences, alternative due dates may be arranged at the discretion of the teacher
- Grading
 - Students should complete all assigned reading and questions; however, every question may or may not be graded
 - The teacher will not announce ahead of time which questions are graded
 - Re-takes / Re-dos
 - Consistent with school policy, students that fail a major grade will have the opportunity to re-take the assessment or re-do the assignment.
 - Re-takes / re-dos will have a maximum 70% score.
 - Re-takes / re-dos must be completed within three days of the score release date or the end of the 6-week grading period (whichever comes first)
 - Grade weight by assessment type:
 - Unit Tests and Projects – 70%
 - Labs/Quizzes – 30% (may have x2 weightage)
 - Classwork and homework – 30%
 - Please note that POWERSCHOOL is the official gradebook, not Canvas

Tardy / Absence Policy:

- The purpose of the tardy policy is to maximize instructional time with every student
- Students are expected to arrive in the classroom and be seated before the tardy bell rings
 - Students arriving less than 15 minutes late on Mon/ Tues/Fridays or less than 30 minutes late on Wednes/Thursdays will be considered tardy.

- Students arriving more than 15 minutes late on Mon/ Tues/Fridays or more than 30 minutes late on Wednes/Thursdays will be considered absent.
- A signed pass with date and time from a teacher or administrator will be accepted, though these occurrences should be minimized.

Restroom Policy:

- Students are expected to use restroom facilities during passing periods or lunch and should plan accordingly
- Students should use the restroom during class time sparingly:
 - No students may use the restroom during the first 15 minutes or last 15 minutes of class time.
 - Only one student (regardless of gender) may leave the classroom at a time
 - Students must request a hall pass and return within 5 minutes of leaving

Electronics Policy:

- Students will put away phones and earbuds in their bags prior to entering the classroom
- Failure to follow teacher directions regarding electronics will result in temporary confiscation of devices consistent with school policy
- Special notes on laptops:
 - Students will need laptops every day for lectures, assignments, labs, and assessments
 - Laptops should only be used for appropriate activities as directed by the teacher

Other Classroom Policies

All students need to maintain a binder for this class.

- Food and drinks
 - Students may drink water in the classroom
 - No other food or drink may be consumed in the classroom
- Assigned seats
 - Students should sit according to the seating chart and begin work on the "Do Now" posted activity
- "Remind" App
 - Students and parents are highly encouraged to download the "Remind" app
 - This app is used for one-way communication from the teacher.
To join, text the following code to "81010": @4774gga
- MS-TEAM
Each class period will be given a code to join the Team for that period by 5th September. This will be used for communication between teacher-student and student-student.

Please read carefully and sign below:

Parent's Name

Student's Name

Parent's Signature and date

Student's Signature and date