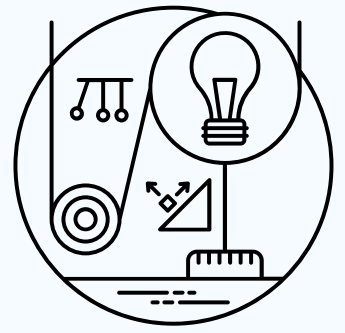


AP PHYSICS I



Course Description

AP Physics 1 is an Algebra-based Advanced Placement course that introduces college-level physics units which explores Kinematics, Dynamics with Newtonian Mechanics (rotational dynamics and angular momentum), Conservation of Energy (including work, energy, and power) and Momentum. This college level course uses conceptual understanding and applications of physics in the real world to understand the mechanisms of physics.



This course fulfills the fourth science requirement for graduation and qualifies as a HOPE Rigor course.

College Board: [Course Description](#)

College Board: [Course at a Glance](#)

Prerequisites



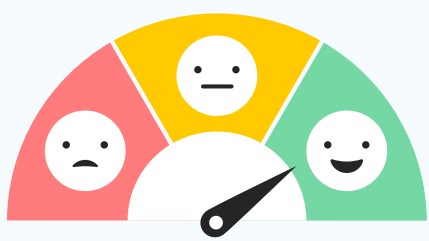
- 80% or higher (unweighted) in Chemistry H or 90% or higher in Chemistry or 90% in Physics
- **and**
- Successful completion or enrollment in Pre-Calculus

Students should know

- Physics is essentially an applied math course; the more math you know, the more likely you will be successful in AP Physics.
- Trigonometry and Algebra are the primary math skills you'll need for this algebra-based course.



Student Feedback



- 56% of AP Physics I students report studying from 0-3 hours per week. 36% report studying 3-6 hours, while 8% report needing over 6 hrs.
- 60% of students found AP Physics I to be their hardest AP class, while 12% disagreed.
- 36% of students surveyed said they would not recommend AP Physics I, while 63% would recommend or were neutral.

What are the benefits of taking AP Physics?

- AP Physics I provides students with college-level coursework and the ability to earn college credit.
- AP Physics I students gain hands-on lab experience to familiarize themselves with content and principles.
- AP Physics I teaches problem-solving and critical thinking skills which are valuable for success in college but also for various careers in STEM.

