

AP Physics 1

Course Description:

AP Physics 1 is an algebra-based, introductory college-level physics course. Students cultivate their understanding of physics through classroom study, in-class activity, and hands-on, inquiry-based laboratory work as they explore concepts like systems, fields, force interactions, change, conservation, and waves.

Academic Suitability:

Students should have completed a geometry course and be concurrently taking Algebra II or an equivalent course.

Out of Class Commitment:

An average student taking AP Physics 1 should be prepared to spend 1.5 hours dedicated to lessons in the course and assignments. Students should additionally be prepared to dedicate time to review in preparation for the AP Physics 1 Exam using materials provided in the AP Classroom for AP Physics 1.

Summer Suggested Preparation:

None required but available upon request.

School Issued Text Name:

Online Access to: *Modified Mastering Physics for College Physics: A Strategic Approach* 4th Edition for Advanced Placement

Additional Resources:

- *5 Steps to a 5: AP Physics 1* by Greg Jacobs
- Flipping Physics:
<https://www.flippingphysics.com/>
- TwuPhysics:
<https://sites.google.com/site/twuphysicslessons/>