

AP Physics 2

This inquiry-based laboratory course is for students who want to learn physics at an accelerated pace. It is designed to prepare students for college-level physics. This is a second-year physics course and should only be taken after students have successfully completed AP Physics I. Though mathematics such as algebra and trigonometry are emphasized in this course through problem-solving, students will use multiple representations including diagrams, graphs, and written descriptions to model physics concepts. Units of study include fluid mechanics, thermodynamics, electricity and magnetism, optics, atomic physics, and nuclear physics. Students use technology including graphing calculators, computer simulations, and probe ware to explore these concepts.

High School Credits: 1

Note:

Students who enroll in AP courses must take the end-of-year AP exam. The cost of these exams is paid by ACPS.

School Level: High School

Grade: 11, 12

Prerequisites:

Pre-Calculus and AP Physics 1

Program: Science Core Courses