

Benefits of the AP Program

AP provides students the opportunity to take university- level classes while still in high school.

AP courses develop college level academic skills by digging deeper into subjects, requiring students to hone their time management and study skills while tapping into their creativity and problem-solving skills.

College credit is awarded if the student passes the AP exam with a 3 or higher.

AP credits are accepted internationally. Always check with potential colleges prior to taking classes.

AP courses stand out in the college admission process because they demonstrate academic rigor.

AP Scholar Granted to students who receive scores of 3 or higher on three or more AP Exams.

AP Seminar and Research Certificate is granted to students who earn scores of 3 or higher in both AP Seminar and AP Research.

AP Capstone Diploma is awarded to student who earn scores of 3 or higher in AP Seminar and AP research and four additional AP exams of their choosing.

AP Offers additional quality points in the weighted GPA

Passing score on AP US History or AP Government exam may be used to meet the new Civics graduation requirement.

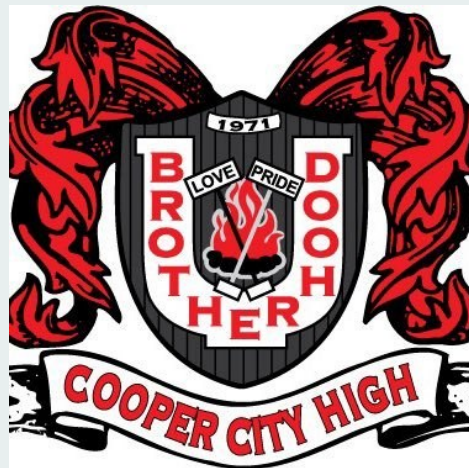
AP Prepares students for College!



Cooper City High School

9401 Stirling Rd
Cooper City, FL 33328
(754) 323-0200

Colors: Black, White, Red
Established: 1971
Mascot: Cowboy Pete
Motto: "Home of the Cowboys"



Mrs. Vera Perkovic Principal

Cooper City High School
Excellence. Tradition. Pride.
Twitter: [@Principal CCHS](https://twitter.com/Principal_CCHS)

Cooper City High School

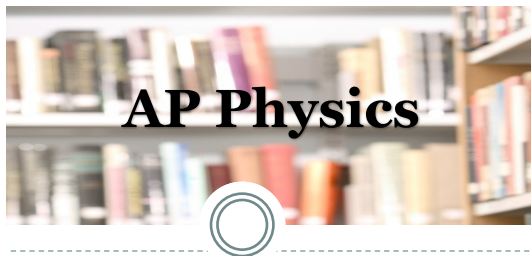
A Tradition of Excellence

AP Information Night



AP Physics





AP Physics

About the Course

Learn about the foundational principles of physics as you explore Newtonian mechanics; work, energy, and power; mechanical waves and sound

Equivalency

A first-semester introductory college course in algebra-based physics

Recommended Prerequisites

Geometry I H course and be concurrently taking Algebra II or higher with a B or better.

Majors Requiring Physics

Architecture– Astronomy – Atmospheric Science & Meteorology –Chemistry- Chemical Science- Computer Software Engineering– Construction Management – Electronics Technology-Engineering and Industrial Management– Geology- Marine Biology- Mathematics— Premedicine

Course Content

- ◇ Kinematics
- ◇ Dynamics
- ◇ Circular Motion and Gravitation
- ◇ Energy
- ◇ Momentum
- ◇ Simple Harmonic Motion
- ◇ Torque and Rotational Motion

Exam Overview

The AP Physics 1: Algebra-Based Exam will test your understanding of the scientific concepts covered in the course units, as well as your ability to use algebra when solving problems related to Newtonian mechanics, energy, and more.

You can use a four-function, scientific, or graphing calculator throughout the exam, and you will be provided with tables of commonly used physics equations and formulas.

Exam Duration

3hrs

Skills You'll Learn

- Using mathematics to solve science problems
- Interpreting and describing representations and models
- Designing an experiment to answer a scientific question or to test a hypothesis
- Analyzing data and evaluating evidence

AP Resources and Supports

AP Classroom

Is a dedicated online platform designed to support teachers and students throughout their AP experience. The platform provides a variety of powerful resources and tools to provide yearlong support and enable students to receive meaningful feedback on their progress.

PERSONAL PROGRESS CHECKS

Formative AP questions for every unit provide feedback to students on the areas where they need to focus. Available online, Personal Progress Checks measure knowledge and skills through multiple-choice questions with rationales to explain correct and incorrect answers, and free-response questions with scoring information.

AP DAILY VIDEOS

AP Daily is a series of on-demand, short videos—created by expert AP teachers and faculty. These videos cover every topic and skill outlined in the AP Course and are available in AP Classroom for students to watch anytime, anywhere.