




AP PHYSICS 1 & AP PHYSICS C

SCIENCE DEPARTMENT

COLLEGE BOARD COURSE DESCRIPTION LINK:

 [AP Physics 1](#)
[AP Physics C: Mechanics](#)
[AP Physics C: Electricity & Magnetism](#)

PRE-REQUISITE RECOMMENDATIONS

For AP Physics 1:
≥ 80% in Geometry and
concurrently taking Algebra II

For AP Physics C: Mechanics
≥ 80% in Algebra II

For AP Physics C: E & M:
≥ 80% in AP Physics C: Mechanics

GRADUATION & HOPE INFORMATION

These courses fulfill the fourth
Science requirement for
graduation and for admission to
the University System of Georgia.

These courses qualify as HOPE
Rigor courses.

MHS COURSE WEBSITE:

[AP Physics](#)
[AP Physics C](#)



COURSE DESCRIPTION

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 topics such as Newtonian mechanics (including rotational motion); work, energy, and power; mechanical waves and sound; and introductory, simple circuits. Students explore principles of Newtonian mechanics (including rotational motion); work, energy, and power; mechanical waves and sound; and introductory, simple circuits.

AP Physics C: Mechanics is equivalent to a one-semester, calculus based, college-level physics course, especially appropriate for students planning to specialize or major in physical science or engineering. The course explores topics such as kinematics; Newton's laws of motion; work, energy and power; systems of particles and linear momentum; circular motion and rotation; and oscillations and gravitation. Introductory differential and integral calculus is used throughout the course.

AP Physics C: Electricity and Magnetism is a one-semester, calculus-based, college-level physics course, especially appropriate for students planning to specialize or major in physical science or engineering. The course explores topics such as electrostatics; conductors, capacitors, and dielectrics; electric circuits; magnetic fields; and electromagnetism. Introductory differential and integral calculus is used throughout the course



TEACHER FEEDBACK

Teacher feedback was not provided for these courses.



STUDENT FEEDBACK

AP PHYSICS 1:

80% of students stated that it takes about 4-8 or 9+ hours per week to be successful with this course. Half of the students reported that this was the most difficult course compared to other AP courses. 70% of the students reported that this course moves slower or at the same pace as other AP courses.

AP PHYSICS C:

Half of the students recorded that it would take at least 4-8 hours to be successful in this course. 75% of the students reported that this course is more difficult or the most difficult course compared to other AP courses. The majority of the students reported that the course moves faster or is the fastest out of the AP courses.