

AP Physics C: Mechanic + E&M

AP Physics C: Mechanics and Electricity & Magnetism is a calculus-based, college-level physics course, especially appropriate for students planning to specialize or major in one of the physical sciences or engineering. Students cultivate their understanding of physics through classroom study and activities as well as hands-on laboratory work as they explore concepts in mechanics and electricity & magnetism.

Learn more from College Board [HERE](#).

Prerequisites

- Biology
- Chemistry
- Physics
- Calculus (corequisite)

Instructional Approaches

- Guided Inquiry
- Laboratory Investigations
- Developing the 7 Science Practices

AP Classroom Resources and Tools



Contact jjgillis@fcps.edu for more information.

AP Physics C

Work time Expectations

- Good Attendance
- Quick Pace
- Independent Textbook Reading, Note Taking, Study
- Tests are cumulative
- Willingness to collaborate with others for group work / labs
- Independent and Group Projects
- Willingness to develop and apply the 7 course science skill practices: Concept Explanation, Visual Representations, Text Analysis, Scientific Experiments, Data Analysis, Mathematical Routines and Environmental Solutions

What are the AP Assessments for this class?

Summative Assessments
70%

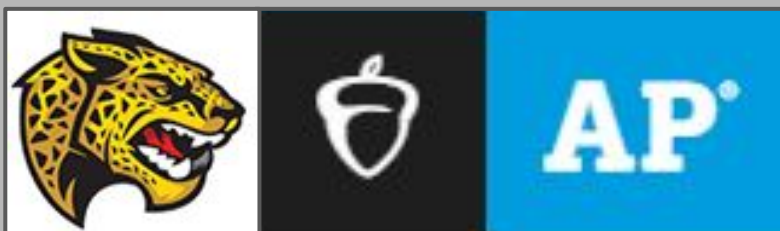
Test and Major Projects

Formative Assessments
30%

Quizzes, Class work, home work and laboratory investigations

AP Exam

Section I: MCQ
40 Q's - 80 min.
50% of score
Section II: FRQ
4 Q's - 100 min.
50% of score



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