



DEPARTMENT OF DEFENSE EDUCATION ACTIVITY

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School year

2023 - 2024

Course Description

AP Physics 2 (year-long) 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 fluid statics and dynamics; thermodynamics with kinetic theory; PV diagrams and probability; electrostatics; electrical circuits with capacitors; magnetic fields; electromagnetism; physical and geometric optics; and quantum, atomic, and nuclear physics. The Advanced Placement Program enables willing and academically prepared students to pursue college-level studies - with the opportunity to earn college credit, advanced placement, or both - while still in high school. This course requires that 25 percent of the instructional time will be spent in hands-on laboratory work, with an emphasis on inquiry based investigations that provide students with opportunities to apply the science practices. The College Board recommends the following pre-requisite(s) or co-requisite(s): completion of pre-calculus or equivalent. Course Note: This course satisfies the Science (1 credit-Physics of 3 credits) graduation requirement. Weighted

Course Number

SCP602

Subject

Science

Grade Levels

10th

11th

12th

School Level

High

Academic Level

AP  
Credits  
1.00  
Course Length  
36

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