

PHYSICS 1, 2 ADVANCED PLACEMENT "B" (AP)

Course Length: 2 Semesters

Grade: 12

Credit per Semester: 1.0 (Science or Elective)

Prerequisite: Physics 1, 2, Algebra 3, 4 Honors or Integrated Alg/Geom 5, 6 or department approval.

This course serves as a foundation for students majoring in something other than physics engineering. The subject matter is Newtonian fluid mechanics, Thermal physics. Electricity magnetism, waves, optics, and atomic and nuclear physics. Strong emphasis is placed on solving physics problems, which require algebra. Additionally students will be expected to demonstrate, in a variety of ways, rigorous understanding of the concepts central to the above domains of physics and will perform appropriate experiments through the two semesters. Students will be prepared to take the AP physics B exam upon completion of the course of study.