

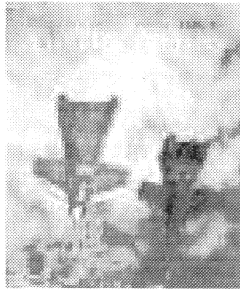
AP PHYSICS

Cooper City High School 2017-2018

Syllabus

This course provides a systematic introduction to the main principles of physics and emphasizes the development of conceptual understanding and problem-solving ability using algebra and trigonometry, but rarely calculus. In most colleges, this is a one-year terminal course including a laboratory component. The AP Physics B course provides a foundation in physics for students in the life sciences, premedicine, and some applied sciences, as well as other fields not directly related to science

Textbook



Course Distribution in time:

#	Topic	% Time (College Board AP)	Days	Dates
1	<ul style="list-style-type: none"> Newtonian Mechanics Kinematics Newton's laws of motion Work, Energy, Power Systems of Particles, Linear Momentum Circular Motion and Rotation Oscillations and Gravitation 	<ul style="list-style-type: none"> 7% 9% 5% 4% 4% 6% <p>35%</p>	<ul style="list-style-type: none"> 11 15 8 6 6 10 <p>56</p>	Aug 21- Nov 29
2	<ul style="list-style-type: none"> Electricity Electrostatics Conductors, Dielectrics Electric Circuits 	<ul style="list-style-type: none"> 5% 4% 7% 4% 5% <p>25%</p>	<ul style="list-style-type: none"> 8 6 12 6 8 <p>40</p>	Jan 22- Mar 21
3	<ul style="list-style-type: none"> Waves and Sound Wave Motion 	<ul style="list-style-type: none"> 15% 5% 	<ul style="list-style-type: none"> 24 8 	Apr 01- Apr 30

Sub-Topics: