

AP Physics 1 Parent Guide

AP Physics 1 is an algebra-based, introductory college-level physics course. Students cultivate their understanding of physics by developing models of physical phenomena through inquiry-based investigations. Students build their understanding of physical models as they explore and solve problems in the following areas of study: kinematics, forces and translational dynamics, work/energy/power, linear momentum, torque and rotational dynamics, energy and momentum of rotating systems, oscillations, and fluids.

1st 6 Weeks:

Kinematics
Force and Translational Dynamics

4th 6 Weeks:

Linear Momentum
Torque and Rotational Motion
Energy and Momentum of Rotating Systems

2nd 6 Weeks:

Force and Translational Dynamics
Work, Energy, and Power

5th 6 Weeks:

Energy and Momentum of Rotating Systems
Oscillations
Fluids

3rd 6 Weeks:

Work, Energy and Power
Linear Momentum

6th 6 Weeks:

AP Exam Review
AP Physics 1 Exam

Questions? Please contact your course science teacher.