

Break Down of the 2 tests

AP Physics 1

- Kinematics
- Dynamics: Newton's laws
- Circular motion and universal law of gravitation
- Simple harmonic motion: simple pendulum and mass-spring systems
- Impulse, linear momentum, and conservation of linear momentum: collisions
- Work, energy, and conservation of energy
- Rotational motion: torque, rotational kinematics and energy, rotational dynamics, and conservation of angular momentum
- Electrostatics: electric charge and electric force
- DC circuits: resistors only
- Mechanical waves and sound

AP Physics 2

- Thermodynamics: laws of thermodynamics, ideal gases, and kinetic theory
- Fluid statics and dynamics
- Electrostatics: electric force, electric field and electric potential
- DC circuits and RC circuits (steady-state only)
- Magnetism and electromagnetic induction
- Geometric and physical optics
- Quantum physics, atomic, and nuclear physics