

Virtual Labs for Physics

With McGraw Hill Virtual Labs for Physics, the lab is always open. These virtual lab experiments provide a flexible online lab solution for preparation, supplement, replacement or use with a textbook to bridge the gap between the lecture and lab. Accessible simulations help students learn the data acquisition and analysis skills needed, then check for understanding and provide feedback. With pre-lab and post-lab assessment available, instructors can customize each assignment.

Mechanics

- Free Fall
- Trajectory
- Inclined Plane
- Friction Force
- Terminal Velocity
- Kinetic and Potential Energy
- Collisions in One Dimension
- Collisions in Two Dimensions
- Rotation, Moment of Inertia
- Harmonic Oscillation
- Uniform Circular Motion
- Finding the Density of an Object

Waves

- Doppler
- Standing Waves
- Beats

Electricity and Magnetism

- Batteries, Resistors, and Currents
- Charging Capacitor
- Wheatstone Bridge
- Electron Beam in a Magnetic Field
- Induction
- Impedance
- Photo-Electric Effect

Optics

- Image Construction on Curved Mirrors
- Image Construction Through Lenses
- Refraction, Snell's Law, and Chromatic Dispersion
- Light Polarization
- Double-Slit Interference and Diffraction

Thermodynamics

- Calorimetry

Included in McGraw Hill's algebra-based and calculus-based Physics titles, as well as available stand-alone.

To see Virtual Labs for Physics in action scan the QR code or visit qrco.de/bdbGJQ

