



Online Courses for High School Students
1-888-972-6237

Course Outline Physics

Motion

- Lesson 1: Motion in a Straight Line
- Lesson 2: Newton's Laws
- Virtual Lab: Fluid Friction in Air
- Written Assignment #1

Other Motion

- Lesson 1: Motion in Two Dimensions
- Lesson 2: Momentum
- Virtual Lab: Can Races

Energy and Relativity

- Lesson 1: Energy
- Virtual Lab: Pulley Systems
- Lesson 2: Theory of Relativity
- Written Assignment #2

Properties of Matter

- Lesson 1: Properties of Matter: Solids
- Virtual Lab: Why Does an Elephant Have Big Ears?
- Lesson 2: Properties of Matter: Liquids
- Lesson 3: Properties of Matter: Gases

Heat

- Lesson 1: Temperature and Heat
- Lesson 2: Transmission of Heat
Written Assignment #3
- Lesson 3: Change of State
Virtual Lab: Boiling Water with Ice

Waves

- Lesson 1: Wave Motion

Virtual Lab: Wave Behavior

Written Assignment #1
- Lesson 2: Sound

Light

- Lesson 1: Properties of Light

Written Assignment #2
- Lesson 2: Reflection and Refraction
- Lesson 3: Color, Diffraction, Interference

Virtual Lab; Projecting Light Through Filters

Electricity

- Lesson 1: Electrostatics

Virtual Lab: A Charged Laboratory

Written Assignments #3
- Lesson 2: Electric Circuits

Magnetism, Electricity, and Nuclear Physics

- Lesson 1: Relationship of Magnetism and Electricity

Virtual Lab: Magnetic Fields
- Lesson 2: The Atom Unraveled

Written Assignment #4