

PHYSICAL SCIENCE (LAB SCIENCE)

Grade Level: 10, 11, 12

Credit: 0.5 or 1.0

Prerequisites: None

This course is the foundation course for all high school science courses. Students will study basic chemistry with topics in properties of matter, atomic structure, and chemical reactions and basic physics with topics in energy, force, motion, machines, light, sound, electricity, and magnetism.

PHYSICAL SCIENCE LESSONS

Teacher Message

LESSON 01: Principles of Science

LESSON 02: Scientific Conventions

LESSON 03: Data Analysis

LESSON 04: The Atom

LESSON 05: Properties of Matter

LESSON 06: States of Matter

LESSON 07: Bonding

LESSON 08: Chemical Formulas

LESSON 09: Rates of Solution and Reaction

LESSON 10: Mixtures, Solutions, and pH

LESSON 11: pH

LESSON 12: Free Fall

LESSON 13: Motion

LESSON 14: Force



LESSON 15: Motion - The Moving Man

LESSON 16: Work

LESSON 17: The Concept of Energy

LESSON 18: Energy Transformation

LESSON 19: Technological Design

LESSON 20: Electrostatics and Electricity

LESSON 21: Electric Currents

LESSON 22: Electromagnetism

LESSON 23: Waves - Sound

LESSON 24: Light

LESSON 25: Sound and Light

LESSON 26: Fission - Fusion

