

Physical Science Curriculum

Unit Sequence

SEMESTER ONE	SEMESTER TWO
Unit 1: Scientific Method • Lab Basics: Safety and equipment • Measurement • Dimensional analysis and scientific notation • Scientific method Unit 2: Motion and Force • Describing motion • Acceleration • Newton's laws Unit 3: Energy • Nature of energy • Conservation of energy • Thermal energy • Work and power Unit 4: Electricity and Magnetism • Charge • Current • Circuits • Magnets Unit 5: Waves • Nature and properties of waves • Behaviors of waves • Electromagnetic spectrum	Unit 6: Matter • Classification of matter • Properties of matter • States of matter • Solutions Unit 7: Atomic Structure • Structure of the atom • Isotopes • Periodic table of elements Unit 8: Bonding • Stability and bonding • Naming ionic compounds • Naming covalent compounds Unit 9: Reactions • Balancing reactions • Classifying reactions • Energy in reactions • Acids and bases (if time) • Nuclear chemistry (if time)

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