

Physical Science Curriculum

Unit Sequence

SEMESTER ONE	SEMESTER TWO
Unit 1: Scientific Method <ul style="list-style-type: none">• Lab Basics: Safety and equipment• Measurement• Dimensional analysis and scientific notation• Scientific method Unit 2: Motion and Force <ul style="list-style-type: none">• Describing motion• Acceleration• Newton's laws Unit 3: Energy <ul style="list-style-type: none">• Nature of energy• Conservation of energy• Thermal energy• Work and power Unit 4: Electricity and Magnetism <ul style="list-style-type: none">• Charge• Current• Circuits• Magnets Unit 5: Waves <ul style="list-style-type: none">• Nature and properties of waves• Behaviors of waves• Electromagnetic spectrum	Unit 6: Matter <ul style="list-style-type: none">• Classification of matter• Properties of matter• States of matter• Solutions Unit 7: Atomic Structure <ul style="list-style-type: none">• Structure of the atom• Isotopes• Periodic table of elements Unit 8: Bonding <ul style="list-style-type: none">• Stability and bonding• Naming ionic compounds• Naming covalent compounds Unit 9: Reactions <ul style="list-style-type: none">• Balancing reactions• Classifying reactions• Energy in reactions• Acids and bases <i>(if time)</i>• Nuclear chemistry <i>(if time)</i>

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