

Physical Science Curriculum

Unit Sequence

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

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Disha Experts



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