

|               | <b>Block 1</b>  | <b>Block 2</b>   | <b>Block 3</b>  | <b>Block 4</b>   |
|---------------|---|--|---|--|
| <b>Year 7</b> | <b>Particle Model</b><br><b>Pure and Impure Substances</b><br><b>Cells and Organisation</b><br><i>What are the building blocks of life?</i><br><i>What are the building blocks of all matter?</i> | <b>Atoms and Elements and the Periodic Table</b><br><b>Forces</b><br><b>Nutrition and Digestion</b><br><i>What are the building blocks of the universe?</i><br><i>What forces act in the universe?</i><br><i>How does our body use food?</i> | <b>Energy Changes</b><br><b>Microbes and Disease</b><br><b>Reproduction</b><br><i>How do energy changes occur?</i><br><i>What causes diseases?</i><br><i>How are human babies made?</i>         | <b>Physical changes</b><br><b>Acids and Alkalis</b><br><b>Magnetism</b><br><b>Current Electricity</b><br><i>How do reactions, and acids and alkalis affect us?</i><br><i>How do invisible forces act?</i><br><i>How do electrical devices work?</i>          |
| <b>Year 8</b> | <b>Chemical Reactions</b><br><b>Forces and Motion</b><br><i>How are compounds formed?</i><br><i>How do forces act to produce movement?</i>  | <b>Cellular Respiration and Gas Exchange</b><br><b>Waves</b><br><i>How do organisms get energy?</i><br><i>How do we use waves for communication?</i>   | <b>Evolution</b><br><b>Energy in Chemical Reactions</b><br><b>Metals and Reactivity</b><br><i>How do organisms evolve?</i><br><i>How are reactions useful?</i><br><i>How are metals useful?</i> | <b>Photosynthesis</b><br><b>Relationships in Ecosystems</b><br><b>Earth and Atmosphere</b><br><i>Why are plants so important for life on earth?</i><br><i>How do organisms depend on each other?</i><br><i>How can we conserve the earth and atmosphere?</i> |
| <b>Year 9</b> | <b>Cells and diffusion</b><br><b>States of matter and mixtures</b><br><i>How are chemicals moved around cells?</i><br><i>How do we purify substances?</i>   | <b>Forces and motion</b><br><b>Atoms and the periodic table</b><br><i>What are Newton's laws of motion?</i><br><i>What is everything made of?</i>  | <b>Cell division and reflexes</b><br><b>Conservation of energy</b><br><i>How are new cells made?</i><br><i>Why can energy not be created or destroyed?</i>                                      | <b>Structure and Bonding</b><br><b>Genetics and Natural selection</b><br><i>Why are substances solids, liquids and gases?</i><br><i>How did we evolve?</i>   |