

	AUTUMN 1	AUTUMN 2	SPRING 1	SPRING 2	SUMMER 1	SUMMER 2
Year 3	<p><b>PLANTS</b></p> <ul style="list-style-type: none"> <li>- Functions of parts</li> <li>- Requirements for life and growth</li> <li>- Water transportation</li> <li>-Life cycle</li> </ul>	<p><b>FORCES AND MAGNETS</b></p> <ul style="list-style-type: none"> <li>- Understand forces are pushes and pulls</li> <li>- Friction - movement on different surfaces</li> <li>- Magnetic materials</li> <li>- Magnet strength</li> <li>- Magnetic poles</li> </ul>	<p><b>ROCKS</b></p> <ul style="list-style-type: none"> <li>-Identify, compare and group rocks</li> <li>- Understand how different types of rocks are formed</li> <li>- Understand how fossils are formed</li> <li>- Understand how soils are formed</li> </ul>		<p><b>LIGHT</b></p> <ul style="list-style-type: none"> <li>- Light is needed to see things</li> <li>- Light is reflected</li> <li>- Sun light and protection</li> <li>- Shadows - how they are formed and change</li> </ul>	<p><b>ANIMALS, INCLUDING HUMANS</b></p> <ul style="list-style-type: none"> <li>- Requirements for living things</li> <li>- Nutrition and healthy eating</li> <li>-Skeletons and muscles - support, protection and movement</li> </ul>
Year 4	<p><b>SOUND</b></p> <ul style="list-style-type: none"> <li>- How they are made</li> <li>- How we hear</li> <li>- Volume</li> <li>- Pitch</li> <li>- Distance</li> <li>- How volume, pitch and distance effect sound</li> </ul>		<p><b>ELECTRICITY</b></p> <ul style="list-style-type: none"> <li>- Appliances that run on electricity</li> <li>- Construct simple circuits</li> <li>- Lamps in simple series circuit</li> <li>- Switches role in circuit</li> <li>- Recognise conductors and insulators</li> </ul>	<p><b>ANIMALS, INCLUDING HUMANS</b></p> <ul style="list-style-type: none"> <li>- Food chains and webs</li> <li>-Teeth - types and functions</li> <li>- Digestive system - parts and functions</li> </ul>	<p><b>STATES OF MATTER</b></p> <ul style="list-style-type: none"> <li>- Compare and group solids, liquids and gases</li> <li>- Understand how materials change state</li> <li>- Water cycle - evaporation and condensation</li> </ul>	<p><b>LIVING THINGS AND THEIR HABITATS</b></p> <ul style="list-style-type: none"> <li>- Grouping in different ways</li> <li>- Classifying using keys</li> <li>- Changes to habitats including ones that can pose dangers</li> </ul>

<b>Year 5</b>	<b>PROPERTIES AND CHANGES OF MATERIALS</b>  - Identify, compare, sort and group materials based on properties - including electrical and thermal conductors and insulators - Understand soluble and insoluble - Understand how to separate mixtures - Understand reversible and irreversible changes		<b>LIVING THINGS AND THEIR HABITATS</b>  - Life cycles - differences in different life cycles - Reproduction in animals and plants	<b>FORCES</b>  - How forces act on objects - Gravity - Air resistance - Water resistance - Friction - Mechanisms - levers, pulleys and gears	<b>ANIMAL, INCLUDING HUMANS</b>  - Human life cycle - Changes in humans at each stage of life cycle	<b>EARTH AND SPACE</b>  -Spherical bodies - Movement of Earth, planets and moon - orbit/ rotation - Day and night - rotation
<b>Year 6</b>	<b>ELECTRICITY</b>  - Circuit symbols - Effect of voltage and number of components in circuit - Compare function of components	<b>LIGHT</b>  - Travels in straight lines - How we see - reflected light/from light source - Shadows- shape	<b>LIVING THINGS AND THEIR HABITATS</b>  - Classifying plants and animals by grouping based on similarities and differences - Classifying using keys and design own keys - Give reasons for groupings - Grouping micro-organisms	<b>ANIMALS, INCLUDING HUMANS</b>  - Identify parts of circulatory system - Functions of heart, blood vessels and blood - Health - impact of diet, exercise, drugs and lifestyle -Water transportation in animals		<b>EVOLUTION AND INHERITANCE</b>  - Fossils provide information about living things that inhabited the Earth millions of years ago - Evolution - how living things have changed over time - Plant and animal adaption - Inheritance - living thing produce offspring of the same kind but not identical.

