

Science Overview Plan					
	AUTUMN	SPRING		SUMMER	
EYFS	Understanding the world What similarities, differences, patterns and changes occur in the natural world? What observations can we make about animals and plants and why things occur?				
Year 1	Animals including Humans- What are the common animal groups called? Name a carnivore, herbivore and omnivore. Can you compare different groups of animals. What are the basic parts of the human body and what does each part do?	Seasonal Changes How does the weather and the length of the day change across the four seasons?	Everyday Materials How many different materials can you name and describe? How would you group and compare these? Spring all	Plants How many different wild and garden plants can you recognise and name? How would you describe the structure of a plant?	Scientists and Inventors

<p>Year 2</p>	<p>Living things and their habitats How do you identify if something is alive, dead or inanimate? How are different plants and animals suited to their habitats and microhabitats? How can a 'food chain' show how animals obtain their food? How do animals change from infants to adults?</p>		<p>Animals including Humans Can you explain that offspring grow into adults? What basic needs do animals and humans have? Why is it important for humans to exercise, have good hygiene and eat a balanced diet?</p>	<p>Uses of Everyday materials How can you compare the suitability of different materials for different jobs? How can you change the shape of solid objects?</p>	<p>Plants What do plants need to survive and thrive? How would you explain the life cycle of a plant and the changes that occur?</p>	<p>Scientists and Inventors</p>
<p>Year 3</p>	<p>Animals, including humans What do animals need to survive and thrive? How do animals obtain and use the nutrition found in food?</p>	<p>Light and Shadows Where does light come from and why do we need it? Why is light from the sun dangerous and how can we protect our eyes? How are shadows made and change?</p>	<p>Forces and magnets How do things move on different surfaces? What materials are attracted or repelled by magnets? How would you describe a magnet and magnetic force?</p>	<p>Rocks How can rocks be compared and classified? How are fossils formed? What is soil made from?</p>	<p>Plants How do flowering plants reproduce? How is water transported around Plants?</p>	<p>Scientists and Inventors</p>

Year 4	Sound How are sounds made and how do they travel? How can pitch and volume be changed?	States of Matter What are the differences between solids, liquids and gases and how can Temperature affects each one? What processes are there in the water cycle? What factors might affect these processes?	Animals, including humans What different types of teeth do humans have and what are their functions? What are the main parts of the digestive system? How can a 'food chain' show the flow of energy between animals?	Electricity How are electrical circuits built and what factors affect whether they work? How do electrical conductors and insulators work?	Living things and their habitats How are classification keys used to group living things? Do environments change and what dangers might this pose to living things?	Scientists and Inventors
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<p>Year 5</p>	<p>Forces How can you describe the impact of gravity? How does air and water resistance affect the movement of objects? How do levers, pulleys and gears affect forces?</p>	<p>Properties and changes of materials How can you select materials for different purposes based upon their properties? How do you use mixtures and solutions to explain reversible and irreversible changes?</p>	<p>Animals, including humans What changes occur in humans from birth to old age?</p>	<p>Living things and their habitats What are the differences in the life process of reproduction between animals and plants?</p>	<p>Earth and Space How do the planets in our solar system and our moon move in relation to the sun? What causes day and night at different times across our planet?</p>	<p>Scientists and Inventors</p>
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Year 6	Living things and their habitats How are living things classified? What specific characteristics can be used for classifying living things?	Electricity How are series circuits constructed and represented using scientific symbols?	Animals including humans What are the main parts and functions of the human circulatory system? How does our lifestyle affect the way our bodies function? How are nutrients and water transported around our bodies?	Evolution and inheritance How have living things evolved over Earth's history? What part does genetics play in variation and inheritance? What evidence is there for the theory of evolution?	Light How does light enter our eyes and enable us to see? What factors can affect our vision and how can it be improved?	Scientists and Inventors
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