



Science Long Term Plan - Cycle A

	Autumn	Spring	Summer
Nursery	<p>In the nursery year, children will: Use all their senses in hands-on exploration of natural materials. Explore collections of materials with similar and/or different properties. Talk about what they see, using a wide vocabulary. Plant seeds and care for growing plants. Understand the key features of the life cycle of a plant and an animal. Begin to understand the need to respect and care for the natural environment and all living things. Explore and talk about different forces they can feel. Talk about the differences between materials and changes they notice.</p>		
Reception	<p>In the reception year, children will: Explore the natural world around them. Describe what they see, hear and feel whilst outside. Recognise some environments that are different from the one in which they live. Understand the effect of changing seasons on the natural world around them. Explore the natural world around them, making observations and drawing pictures of animals and plants. (ELG) Know some similarities and differences between the natural world around them and contrasting environments, drawing on their experiences and what has been read in class. (ELG) Understand some important processes and changes in the natural world around them, including the seasons and changing states of matter. (ELG)</p>		
KSI	Materials	Animals including Humans	Plants
LKS2	States of Matter Electricity	Living Things and Habitats Animals including Humans	Sound
UKS2	Earth and Space Light	Properties of Materials Animals including Humans	Living things and their Habitats Life cycles and reproduction in animals and plants

Note: For 2022/23 Y6 will complete Cycle B



Science Long Term Plan - Cycle B

	Autumn	Spring	Summer
Nursery	<p>In the nursery year, children will:</p> <p>Use all their senses in hands-on exploration of natural materials. Explore collections of materials with similar and/or different properties. Talk about what they see, using a wide vocabulary. Plant seeds and care for growing plants. Understand the key features of the life cycle of a plant and an animal. Begin to understand the need to respect and care for the natural environment and all living things. Explore and talk about different forces they can feel. Talk about the differences between materials and changes they notice.</p>		
Reception	<p>In the reception year, children will:</p> <p>Explore the natural world around them. Describe what they see, hear and feel whilst outside. Recognise some environments that are different from the one in which they live. Understand the effect of changing seasons on the natural world around them. Explore the natural world around them, making observations and drawing pictures of animals and plants. (ELG) Know some similarities and differences between the natural world around them and contrasting environments, drawing on their experiences and what has been read in class. (ELG) Understand some important processes and changes in the natural world around them, including the seasons and changing states of matter. (ELG)</p>		
KSI	Plants	Animals including Humans	Living things in their Habitat
LKS2	Animals including Humans Forces and Magnets	Rocks Light	Plants
UKS2	Electricity Living things and their Habitats Classification of plants and animals	Evolution and Inheritance Animal adaptation	Changes to Materials Reversible and irreversible changes Forces