

Science Subject Overview 2022– 2023

Nursery	<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>Explore the natural world around them, making observations and drawing pictures of animals and plants. Describe what they see, hear and feel whilst outside. Understands some important processes and changes in the natural world around him/her, including the seasons and changing states of matter.</p>					
	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 1	<p>Everyday materials Identify and compare everyday materials and describe their properties</p> <p style="color: green;">Seasonal changes</p>	<p>Animals including humans Common animals and what they eat</p> <p style="color: green;">Seasonal changes</p>	<p>Animals including humans Human body parts and senses</p> <p style="color: green;">Seasonal changes</p>	<p>Plants Basic structure of flowering plants and trees Name common wild and garden plants, including deciduous and evergreen trees</p> <p style="color: green;">Seasonal changes</p>	<p>Seasonal changes Weather associated with the seasons and how day length varies</p>	
Year 2	<p>Animals including humans Animal growth and survival</p>	<p>Animals including humans Human health and survival</p>	<p>Living things and their habitats Differences between things that are living, dead and never been alive</p>	<p>Everyday materials Uses of different materials and changing their shape</p>	<p>Plants How seeds and bulbs grow</p>	<p>Living things and their habitats Plants, animals and their habitats</p>
Year 3	<p>Animals including humans Nutrition and survival Skeleton and muscles</p>	<p>Rocks Types of rocks, how fossils are formed and identifying soil</p>	<p>Light Light sources and reflection Shadows</p>	<p>Forces and magnets Forces and their movements Magnetic force and types of magnetics</p>	<p>Plants Function of plants and the importance of flowers</p>	

Year 4	Animals including humans Food chains, teeth and the digestive system	Living things and their habitats Classifying animals and plants	States of matter Grouping materials as a solid, liquid and gas	States of matter Changes of state	Sound How we hear sound Changing pitch and volume	Electricity Simple circuits with a switch Insulators and conductors
Year 5	Earth and Space The Earth, Sun and Moon The Earth's rotation	Properties and changes of materials Comparing properties of materials Mixtures and solutions Reversible and irreversible changes	Properties and changes of materials Comparing properties of materials Mixtures and solutions Reversible and irreversible changes	Forces Types of forces Gravity Mechanism	Living things and their habitats Life cycles and reproduction in animals and plants	Animals including humans Stages of human life and puberty
Year 6	Animals including humans Circulatory system Healthy lifestyles	Living things and their habitats Classifying and distinguishing animals and plants	Evolution Changes over time and fossils Adaptation		Electricity Electrical circuits Increasing brightness of bulb and volume of buzzer	Light How light travels Shadows