

## Overview 2021 – 2022 Science

<b>Nursery</b>	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.					
<b>Reception</b>	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.					
	<b>Autumn 1</b>	<b>Autumn 2</b>	<b>Spring 1</b>	<b>Spring 2</b>	<b>Summer 1</b>	<b>Summer 2</b>
<b>Year 1</b>	<b>Animals including humans</b> Common animals and what they eat	<b>Animals including humans</b> Human body parts and senses	<b>Plants</b> Basic structure of flowering plants and trees Name common wild and garden plants, including deciduous and evergreen trees	<b>Everyday materials</b> Identify and compare everyday materials and describe their properties	<b>Seasonal changes</b> Changes across the four seasons	<b>Seasonal changes</b> Weather associated with the seasons and how day length varies
<b>Year 2</b>	<b>Animals including humans</b> Animal growth and survival	<b>Animals including humans</b> Human health and survival	<b>Plants</b> How seeds and bulbs grow	<b>Everyday materials</b> Uses of different materials and changing their shape	<b>Living things and their habitats</b> Differences between things that are living, dead and never been alive	<b>Living things and their habitats</b> Plants, animals and their habitats
<b>Year 3</b>	<b>Animals including humans</b> Nutrition and survival Skeleton and muscles	<b>Plants</b> Function of plants and the importance of flowers	<b>Rocks</b> Types of rocks, how fossils are formed and identifying soil	<b>Light</b> Light sources and reflection Shadows	<b>Forces and magnets</b> Forces and their movements	<b>Forces and magnets</b> Magnetic force and types of magnetics
<b>Year 4</b>	<b>Animals including humans</b> Food chains, teeth and the digestive system	<b>Living things and their habitats</b> Classifying animals and plants	<b>States of matter</b> Grouping materials as a solid, liquid and gas	<b>States of matter</b> Changes of state	<b>Sound</b> How we hear sound Changing pitch and volume	<b>Electricity</b> Simple circuits with a switch Insulators and conductors

Year 5	<b>Animals including humans</b> Stages of human life and puberty	<b>Living things and their habitats</b> Life cycles and reproduction in animals and plants	<b>Properties and changes of materials</b> Comparing properties of materials	<b>Properties and changes of materials</b> Mixtures and solutions Reversible and irreversible changes	<b>Forces</b> Types of forces Gravity Mechanisms	<b>Earth and Space</b> The Earth, Sun and Moon The Earth's rotation
Year 6	<b>Animals including humans</b> Circulatory system Healthy lifestyles	<b>Living things and their habitats</b> Classifying and distinguishing animals and plants	<b>Evolution</b> Changes over time and fossils	<b>Evolution</b> Adaptation	<b>Electricity</b> Electrical circuits Increasing brightness of bulb and volume of buzzer	<b>Light</b> How light travels Shadows