

Subject: Science – whole school overview

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Nursery	<ul style="list-style-type: none"> • 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. • Begin to make sense of their own life-story and family's history. • Explore how things work. • 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. 					
Reception	<ul style="list-style-type: none"> • Explore the natural world around them, making observations and drawing pictures of animals and plants. • 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. • Understand some important processes and changes in the natural world around them, including the seasons and changing states of matter. 					
Year 1	Seasonal changes	Plants	Everyday materials/properties and changes in materials		Animals including humans	
Year 2	Uses of everyday materials	Plants		Animals including humans	Living Things and their habitats	
Year 3		Forces and magnets	Rocks and fossils	Animals including humans	Plants	Light
Year 4	Sound	Animals including humans - digestive system and teeth	Living things and their habitats	Changing states (plus water cycle) - Solids, liquids and gases		Electricity - components and simple circuits

Year 5	Animals including humans – humans’ development to old age	Living things and their habitats – life cycles and reproduction	Earth and space – movement of the planets, day and night Rocks and soils (Year 3 – missed in Covid)	Everyday materials/ properties and changes in materials – reversible and irreversible changes	Forces and magnets – gravity, air resistance, water resistance, friction, mechanisms	
Year 6	Evolution – fossils, inheritance and adaptation Rocks and soils (Year 3 – missed in Covid)	Living things and their habitats - classification	Changing state (Year 4 – missed in Covid)	Animals, including humans – circulatory system, impact of diet, exercise and drugs,	Electricity – components and simple circuits	Light – sources and shadows