

Science Curriculum Overview

	Autumn		Spring		Summer	
	Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
Reception	Understanding the world					
	Parts of the body <i>Seasonal change</i>	Nocturnal animals Light and shadows <i>Seasonal change</i>	Animals and habitats – hot and cold countries Hibernation States of matter – freezing and melting <i>Seasonal change</i>	Structure of plants What do plants need to grow? <i>Seasonal change</i>	Life cycles Minibeasts <i>Seasonal change</i>	Floating and sinking Properties of materials <i>Seasonal change</i>
Year 1	Animals including humans Parts of the body and senses <i>Biology</i> <i>Seasonal change</i>	Animals including humans, everyday materials Structure of plants, everyday materials and objects <i>Biology and chemistry</i> <i>Seasonal change</i>	Habitats Structure of wild and garden plants, animals - carnivores, herbivores and omnivores - within the locality <i>Biology</i> <i>Seasonal change</i>	Everyday materials Properties of everyday materials <i>Chemistry</i> <i>Seasonal change</i>	Animals, including humans Structure of plants and animals outside of their locality <i>Biology</i> <i>Seasonal change</i>	Everyday materials Properties of everyday materials <i>Chemistry</i> <i>Seasonal change</i>
Year 2	Animals including humans Healthy lifestyles, <i>Biology</i>	Uses of everyday materials Solids and changes of state <i>Chemistry</i>	Uses of everyday materials Solids and changes of state <i>Chemistry</i>	Animals and plants Human and animal life cycle <i>Biology</i>	Animals and plants How plants grow, bulbs and seeds <i>Biology</i>	Living things and their habitats Identifying living and non living animals and plants <i>Biology</i>

Year 3	Rocks Rocks, soils and fossils <i>Chemistry</i>	Forces and magnets Magnets and their uses <i>Physics</i>	Light Light and dark, night and day, the sun <i>Physics</i>	Plants Function of flowering plants, plant life cycle <i>Biology</i>	Animals including humans The human body and skeleton <i>Biology</i>	Use of everyday materials Classify objects according to names and properties of materials. <i>Chemistry</i>
---------------	--	---	--	---	--	---

Empathy

Honesty

Respect

Responsibility



Year 4	Living things and their habitats Classification of living things and their environments <i>Biology</i>	Electricity Electrical circuits <i>Physics</i>	Sound Pitch, volume and strength of sound <i>Physics</i>	States of matter Liquids, solids and gasses <i>Chemistry</i>	Humans and other animals The digestive system <i>Biology</i>	Use of everyday materials Materials and their properties <i>Chemistry</i>
Year 5	Earth and Space The solar system, the Earth's rotation, night and day <i>Physics</i>	Living things and their habitats Life cycle of mammals <i>Biology</i>	Properties and changes of materials Changes in state of solids, liquids and gases <i>Chemistry</i>	Forces Gravity, air resistance, water resistance, mechanisms which allow a smaller force to have a greater effect <i>Physics</i>	Animals including humans Human lifespan and development <i>Biology</i>	Properties and changes of materials Reversible states <i>Chemistry</i>
Year 6	Animals including humans The circulatory system <i>Biology</i>	Electricity Circuits and voltage <i>Physics</i>	Light How light travels and shadows <i>Physics</i>	Evolution and inheritance The pre-historic Earth <i>Biology</i>	Classification of living things How animals can be classified <i>Biology</i>	Working scientifically The science of sport <i>Biology, chemistry and physics</i>

Empathy

Honesty

Respect

Responsibility