

Science Long Term Overview

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 3	Animals including humans Investigating skeletons and muscles and nutrition.		Rocks and soils Comparing, grouping and describing formation of rocks, fossils and soils.	Plants Identifying and describing functions of parts of plants, exploring requirements for life and life cycle.	Light Investigating and defining light, reflection, the dangers of the sun, shadow formation and size.	Forces & magnets Identifying, investigating and observing forces and magnetism.
Year 4	Living things & their habitats Grouping and classifying living things and identifying impact of environmental change.	Animals including humans Describing the digestive system, investigating teeth in humans and constructing and interpreting food chains.	States of matter Comparing and grouping materials, observing changes in solids, liquids and gases and investigating the water cycle.	Sound Identifying how sounds are made, how we hear and investigating patterns.	Electricity Identifying appliances, investigating a simple series electrical circuit and recognising common conductors and insulators.	Investigation stations Carrying out an investigation for each unit taught through the year.
Year 5	Earth & Space Describing the movement of the Earth, other planets and the moon, investigating the relative size of these and explaining why we have day and night and seasons.	Forces Explaining, defining and observing gravity, identifying the effects of air resistance, water resistance and friction, and investigating levers, pulleys and gears.	Properties of materials Comparing and grouping materials, investigating properties.	Changes of materials Investigating mixing, dissolving and separating materials, identifying reversible and irreversible changes.	Living things & their habitats Animals including humans Describing the differences in the animal life cycles, describing reproduction in plants and animals and identifying the changes in humans.	Investigation stations Carrying out an investigation for each unit taught through the year.
Year 6	Light Recognising how light travels, how the eye works and investigating shadows and their shapes.	Evolution & inheritance Recognising how living things have changed over time, investigating fossils, variation in offspring and animal and plant adaptation.	Electricity Using circuit symbols and investigating the effect on components within a circuit with the number and voltage of cells used, comparing and giving reasons for variations in how the components function.	Animals including humans Investigating the human circulatory system and how nutrients and water are transported around the body, recognising the impact of diet, exercise, drugs and lifestyle on the way their bodies function.	Living things & their habitats Describing how living things are classified into broad groups focusing on specific characteristics including micro-organisms, plants and animals.	Scientists and inventors Investigating scientists and inventors.