

Science Overview

EYFS

Nursery	Seasonal Changes (ongoing)	Everyday Materials	Plants & Animals Including Humans
Reception	Seasonal Changes (ongoing)	Everyday Materials	Plants & Animals Including Humans

A	Animals including Humans – Classification of Animals	Animals including Humans – Animals Basic Needs	Energy unit (introduction to light, sound, electricity, and forces)	Living things and their habitats – What is a living thing? Explore habitats in local environment
B	Seasonal Changes – Measuring changes across the four seasons, associated weather, and day length (Ongoing through seasons)	Materials – Classification of everyday materials and their properties and uses of everyday materials	Plants – Basic structure of flowering plants and seeds and bulbs	

KS1

Lower KS2

A	Rocks – classification, fossil formation and soils	Light – reflection of light, danger of light and shadow formation	Sound – how they are made and changes of sound	Animals including Humans – nutrition, skeletons, and muscles	Living things and their habitats – classification, vertebrates and invertebrates and human impact on environments
B	Plants – function of parts of a flowering plant, requirements for growth, plus pollination, seed formation and dispersal	Forces – magnets	States of Matter – solid, liquid and gas, includes Water Cycle	Electricity - simple series circuits, switches and common conductors and insulators	Animals including Humans – digestive system and teeth, plus food chains

Upper KS2

A	Properties & changes of materials –reversible and irreversible changes	Forces – understanding the impact of forces including gravity and friction	Light – how we see and formation of shadows	Earth & space - the orbit of the solar system plus day and night	Animals including Humans - humans develop into old age (revisit sound and how hearing deteriorates)
B	Electricity – using recognised symbols, comparing circuits including the impact of voltage on components	Evolution & inheritance - how living things adapt to their environment and how this may lead to evolution	Living things & their habitats – life cycles	Living things & their habitats - classification using observable characteristics including micro-organisms, plants, and animals	Animals including Humans – circulatory system and how to keep the body healthy