

## Science Overview

Consideration should be given to the prior learning in the mixed age classes. If there is any essential prior learning missed, it should be taught first.

### EYFS

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

### KS1

25/26	Materials – <i>Classification of everyday materials and their properties</i> <b>and uses of everyday materials</b> **	Animals including Humans – Animals Basic Needs	Living things and their habitats – What is a living thing? Explore habitats in local environment	Plants – <i>Basic structure of flowering plants</i> and <b>seeds and bulbs</b> **
26/27- Y2 Y1 – single aged planning	Materials – <del>Classification of everyday materials and their properties</del> <b>and uses of everyday materials</b> **	Animals including Humans – Classification of Animals	Plants – <del>Basic structure of flowering plants</del> and <b>seeds and bulbs</b> **	Energy unit (introduction to light, sound, electricity, and forces)
Seasonal Changes – Measuring changes across the four seasons, associated weather, and day length (Ongoing through seasons)				

### LKS2

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

## UKS2

Y5	Forces – understanding the impact of forces including gravity and friction	Earth & space - the orbit of the solar system plus day and night	Properties & changes of materials –reversible and irreversible changes	Living things & their habitats – life cycles	Animals including Humans - humans develop into old age (revisit sound and how hearing deteriorates)
Y6	Animals including Humans – circulatory system and how to keep the body healthy	Living things & their habitats - classification using observable characteristics including micro-organisms, plants, and animals	Evolution & inheritance - how living things adapt to their environment and how this may lead to evolution	Electricity – using recognised symbols, comparing circuits including the impact of voltage on components	Light – how we see and formation of shadows