



Science Subject Overview

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
N	Use all their senses in hands on exploration of natural materials		Explore materials with similar/different properties		Talk about the differences between materials and changes they notice	
	Name some plants and animals they see		Understand how to look after plants		Explore how things work by investigating mechanical toys	
	Understand what we use different parts of the body for		Understand meaning of push – move away and pull means pull towards		Begin to understand the need to look after living things/environment	
	Understand objects can move with a push or pull					
R	Explore the natural world around them, describe what they see, hear and feel whilst outside.		Know how to look after our environment.		Explore the natural world around them, making observations and drawing pictures of animals and plants.	
	Understand the effect of changing seasons on the natural world		Explore the natural world around them, looking for signs of growth		Understand some important processes and changes in the natural world around them including the seasons, life cycles and changing states of matter	
Year 1	Materials Identifying materials	Seasonal changes	Animals (including humans) - mammals	Animals Birds and trees	Plants Structure	
Year 2	Materials – classifying/ grouping materials. Changing by bending.	Living things and their habitats	Animals (including humans) Humans and animals	Animals (including humans) Healthy lifestyle	Plants	Plants
Year 3	Rocks and soils Types of rocks, soils		Animals (including humans) Movement, bones, muscles.	Plants Life cycle	Magnets	Light Shadows, reflections

Year 4	States of matter - Solids, liquids and gases	Animals (including humans) Teeth and digestion	Electricity Conductors and insulators, basic circuits	Sound	Living things and their habitats In the local area	Manchester Museum trip – Living things and their habitats
Year 5	Force, gravity, friction	Earth and Space	Properties and state of materials with Solids liquids & gases		Living things and their habitats Life cycle	Animals (including humans) Birth to old age
Year 6	Living things and their habitats Classifying living things, vertebrates etc	Electricity Build a circuit, make traffic lights		Animals (including humans) Circulatory system	Light How it moves and eyes	Evolution and inheritance Darwin

Plants

Animals

Materials

States of matter

Living things

Light

Forces

Standalone units

Children's learning is understood developmentally The classroom offers a safe base The importance of transitions in children's lives All behaviour is communication The importance of nurture in the development of well-being Language is a vital means of communication