

Science Framework

Year Group	Autumn Term	Spring Term	Summer Term
Year 1/2 A	Living Things and Their Habitats - Compare living, dead and things that have never been alive - Habitats - Name plants and animals in their habitat - Simple food chains Seasonal Changes - Observe changes across the four seasons Observe and describe weather associated with the seasons and how day length varies	Everyday Materials - Distinguish between an object and the material it is made of - Name a variety of materials - Describe physical properties of everyday materials - Compare and group together a variety of everyday materials Animals - Identify a variety of common animals - Carnivores, herbivores and omnivores - Structure of common animals - Basic parts of a human body	Plants and Animals including humans - Observe how seeds grow - Conditions for plants to be healthy - Life cycle of animals - Basic needs of animals Animals - Human Senses
Year 1 / 2 B	Everyday Materials - Identify and compare a variety of everyday materials - Squashing, bending, twisting and stretching Plants - Observe how bulbs grow into plants	Plants / habitats - How habitats provide for the basic needs of animals and plants - Name plants and animals in micro-habitats - How animals obtain food from other animals	Seasonal Changes - Observe changes across the four seasons - Observe and describe weather associated with the seasons and how day length varies Living things and Habitats - Compare living, dead and things that have never been alive

			• Habitats • Name plants and animals in their habitat • Simple food chains
Year 2 / 3 A	Animals • Nutrition • Teeth	Materials • Distinguish objects from the materials they were made from • Physical properties of materials; comparing and grouping • Squashing, bending, twisting and stretching	Forces and Magnets • How things move on different surfaces • Some forces need contact between surfaces, others don't • Magnetic attraction • How magnets attract or repel each other
Year 2 / 3 B	Light and Shadows • Recognise the need for light to see things • How light reflects • Dangers of sunlight • How shadows form • How shadows change size Electricity • Appliances that run on electricity • Simple circuits • Switches • Conductors and insulators	Plants • Functions of different parts of a flowering plant • Requirements for life and growth • How water is transported in a plant • Life cycle of a plant	Rocks • Comparing and grouping rocks • Formation of fossils • Recognise how soils are formed
Year 4 / 5 A	Animals • Describe simple functions of the digestive system of humans • Construct food chains, identifying producers,	Sound • Know that sound is caused by vibration • How sound travels • How pitch varies and why • How volume varies and why	Forces • Gravity • Air resistance, water resistance and friction • Levers, pulleys and gears

	predators and prey	How sound changes as you move further from it	
Year 4 / 5 B	Earth and Space - Describe the movement of the Earth and other planets relative to the Sun. - Describe the movement of the Moon relative to the Earth - Describe the Sun, Earth and Moon as approximately spherical objects - Day and Night	Living Things and Habitats - Recognise that living things can be grouped in a variety of ways - Use classification keys - Effects of changing environments	States of Matter - Compare and group materials together based on solids, liquids and gases - Heating and cooling to change state - Water cycle
Year 5 /6 A	Animals Describe the changes as humans develop into old age	Evolution - Recognise that living things have changed over time - Recognise that living things produce offspring of the same kind - How adaption links to evolution	Forces - Gravity - Air resistance, water resistance and friction - Levers, pulleys and gears
Year 5 /6 B	Electricity - How brightness of bulbs can be altered - How components function - Circuit diagrams with standard diagrams Light - Light travels in straight lines - How we see - Explanations of the formation of shadows	Living Things and Their Habitats - Life cycles of different animals - Life process of reproduction in some plants and animals	Properties of Materials - Compare and group together materials based on properties - Dissolving and solutions - Separating mixtures - Reversible change and irreversible change

