

Science Curriculum Overview

	Autumn	Spring	Summer
Y1	Ourselves Identify and name parts of the human body Everyday Materials Explore properties of materials. Does it float?	Seasonal Changes Autumn, Winter, Spring, Summer Plants Observing Plants	Hot and Cold Places Habitats – linked to our learning in Geography Plants Growing Plants
Y2	Materials Explore properties of material Animals, including Humans The basic needs of animals for survival	Life Cycles Explore life cycles of different animals Habitats Explore a variety of habitats, linking to our learning in geography	Food Chains Which animals live in which habitat – and what do they eat? Plants Plant Parts – and what do they need to grow?
Y3	Rocks and Fossils Explore properties of rocks and how fossils were made Forces – Friction & Magnets Explore push and pull forces	Plants Parts of a plant How do plants grow Pollination and Seed Dispersal	Light and Shadows How we see and how shadows are formed Animals, including Humans Functions of the skeleton
Y4	Food Chains Interpret and draw food chains showing the transference of energy Living Things and their Habitats Classification keys for animals and plants States of Matter The Water Cycle	States of Matter Solids, Liquids and Gases Electricity Build and draw circuits	Teeth Teeth as part of the digestive system Carnivores, Herbivores and Omnivores How We Hear Explore how sounds are created and how we hear them Consider volume and pitch
Y5	Properties of Materials Electrical and Thermal conductivity Changing Materials Reversible and irreversible changes	Forces Friction, air resistance, water resistance, gravity Earth and Space Motion of the Earth and the planets in the solar system	Life Cycles Plants Mammals Humans
Y6	Classification Grouping organisms and micro-organisms Electricity Investigate variations within circuits	Adaptation Plant and animal adaptations Circulatory System Blood – and the heart. Heart Dissection.	Light How light travels. Refraction. Y6 – Y7 Transition Thermal insulation and melting points