

SCIENCE OVERVIEW

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Reception	Explore environment (forest school)	Explore Winter freezing and melting	Natural processes (magnets)	Explore Spring and planting	Minibeast (habitats/ classification/changes)	Growing (human) parts of a plant
Year 1	Animals Including Humans The human body and senses <i>Seasonal Changes - Autumn</i>	Everyday Materials Everyday materials and their properties <i>Seasonal Changes - Winter</i>	Animals Including Humans Animal classification <i>Seasonal Changes – Spring</i>		Plants The basic structure of a variety of common flowering plants, including trees. <i>Seasonal Changes - Summer</i>	Plants Wild and garden plants <i>Seasonal Changes - Summer</i>
Year 2	Everyday materials Compare the suitability of a variety of everyday materials and how materials can be changed by squashing, bending, twisting and stretching		Animals including humans living and dead, habitat suitability, food chains and plant/animal adaptations.	Plants plant growth and conditions for growth.	Animals including humans Human and animal lifecycles, basic needs	Human Body and the importance of exercise Exercise, nutrition and hygiene.
Year 3	Light & Dark reflection, sun dangers, shadows (formation & change).	Health & Movement Skeletons & muscles	Health & Movement Nutrition	Rocks & Fossils Compare and group, properties and formation, fossils	Plants function of parts, requirements for life and growth, plant life cycle, water transport in plants and seed dispersal	Forces and magnets strength of magnets, attract and repel (poles), classify magnetism of objects.
Year 4	Electricity Construct circuits; use of switches; conductors & insulators; identify common electrical appliances.	Sound How sounds are made (vibration), pitch & volume.	States of Matter Solids, liquids and gases; effect of heating and cooling. Water cycle (evaporation and condensation).	Living things and their habitats classification and food chains, recognise changing environments and dangers to habitats.	Animals Including Humans body parts, digestive system, types of teeth.	Animals Including Humans body parts, digestive system, types of teeth.

Year 5	Properties & Changes in Materials Hardness, strength, thermal conductivity/insulation, dissolving, filtering, sieving and evaporating, reversible and irreversible changes.	Living Things and their Habitats Life cycles, life process and reproduction in plants and animals (insects, amphibians, birds, mammals).	Forces Gravity (Newton), friction, air & water resistance. Levers, pulleys, gears.	Animals Including Humans The human life cycle, from gestation and infancy, through to old age.	Earth & Space The solar system, Earth's rotation, day and night, Earth's orbit in relation to Sun and moon (Galileo, Copernicus).
Year 6	Classification of Animals Identify specific characteristics & classify objects, animals & plants. (Linnaeus). Micro-organisms.	Adaption & Evolution Fossils, inheritance and adaptation. Genetics & Natural selection (Darwin).	Light How light travels, light (straight lines), shadow sizes, reflections, refraction, prisms/light splitting (rainbows), light filters.	Electricity Voltage, variations in how components function, inc. brightness of bulbs, loudness of buzzers and on/off switches.	Animals including Humans Circulatory system (heart, blood). Nutrient and water transport in the body. The effect of diet, exercise, drugs and lifestyle on the physical body.