



Science Curriculum Overview

Year Group	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Reception	Seasons - Autumn (Draw children's attention to the weather and season features. Children to note and record the weather.) *[Comment on plant and animals they have seen whilst outside. Observe how animals behave differently as the seasons change.] Forces (Observe and interact with natural processes, such as a magnet attracting an object.)	Animals (Name and describe some plants and animals children are likely to see, encouraging children to recognise familiar plants and animals whilst outside.) Sound (Observe and interact with natural processes, such as a sound causing a vibration.)	Seasons - Winter (Draw children's attention to the weather and season features. Children to note and record the weather.) *[Comment on plant and animals they have seen whilst outside. Observe how animals behave differently as the seasons change.] Materials (Observe and interact with natural processes, such as ice melting.)	Seasons - Spring (Draw children's attention to the weather and season features. Children to note and record the weather.) *[Comment on plant and animals they have seen whilst outside. Observe how animals behave differently as the seasons change.] Plants *[Comment on plants they have seen whilst outside and the changes that have taken place.]	Light and shadow (Observe and interact with natural processes, such as light travelling through transparent material and an object casting a shadow.)	Seasons - Summer (Draw children's attention to the weather and season features. Children to note and record the weather.) *[Comment on plant and animals they have seen whilst outside. Observe how animals behave differently as the seasons change.] Everyday materials (Observe and interact with natural processes, such as a boat floating on water.)
Year 1	Animals, including humans (Identify, name and label body parts of humans.) *[Observe seasonal changes throughout the year- Last week before half term]	Animals, including humans (Identify, name and describe animals.)	Everyday materials (Name common materials and identify the materials things are made from.) *[Observe seasonal changes throughout the year- First week of term]	Everyday materials (Identify and describe properties of materials. Compare and group materials.) *[Observe seasonal changes throughout the year- Last week of term]	Plants (Name common plants and trees. Label parts of a plant.)	Seasonal changes *(Topic summary: weather, length of days.)
Year 2	Uses of everyday materials (Investigate how solid materials can change shape.)	Uses of everyday materials (Identify and compare the suitability of materials.)	Living things and their habitats (Compare the living, dead and never alive; identify habitats and use simple food chains.)	Plants (Investigate what plants need to survive.)	Animals, including humans (Exercise and healthy eating)	Animals, including humans (Life cycles)

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Year 3 /4 Cycle A	Living things and their habitats (Grouping, classifying and interdependence)	Animals, including humans (Food chains)	Sound (How we hear, pitch and volume)	Electricity (Simple series circuits; recognise conductors and insulators)	States of matter (Group materials, investigate changing states, evaporation and condensation)	Animals, including humans (Teeth and digestive system)
Year 3 /4 Cycle B	Animals, including humans (Skeletons and muscles)	Rocks (Compare and group rocks. Formation of fossils and soils.)	Animals, including humans (Nutrition)	Light (Recognise the importance of light and how it is reflected from surfaces. Shadow formation and investigate their size.)	Forces and Magnets (Describe magnets and how they act. Observe and predict whether they will attract or repel. Identify magnetic materials.)	Plants (Function of the parts of flowering plants. Explore requirements for life and growth.)
Year 5	Properties and changes of materials (Compare and group materials. Investigate dissolving, separating mixtures, reversible and irreversible changes.)	Forces (Weight and gravity, friction, air resistance, water resistance, levers, gears and pulleys.)	Earth and Space (Movement of planets in relation to the Sun, describe movement of the Moon relative to the Earth and explain day and night.)	Living things and their habitats (Describe differences in life cycles.)	Living things and their habitats (Reproduction in plants and animals.)	Animals, including humans (Describe changes to humans, including puberty.)
Year 6	Electricity (Symbols and circuit diagrams. Investigate variations in how components function.)	Light (Investigate how light travels and how we see things.)	Animals, including humans (Heart, lungs and circulatory system. Transportation of nutrients and water.)	Animals, including humans (Diet, exercise, drugs and lifestyle on the function of the body.)	Living things and their habitats (Classification of plants and animals, including work of Carl Linnaeus.)	Evolution and Inheritance (Fossils, offspring, adaptation and evolution.)