

Science

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Whole School	British Science week-					
Nursery	<p>Seasons and materials: Explore the season Autumn. Explore all their senses in hands-on exploration of natural materials.</p>	<p>Materials and animals: Begin to understand the need to respect and care for animals. Explore everyday materials.</p>	<p>Animals and materials: To talk about farm animals and their habitat. To begin to talk about decay. To explore floating and sinking,</p>	<p>Seasons and materials: Explore materials from the story 'The Three Little Pigs'. Explore Spring in the outdoor environment.</p>	<p>Planting and animals: Explore planting in the outdoor environment. To begin care for animals in their own natural environment (mini beasts).</p>	<p>Animals: To begin to understand the key features of a life-cycle of an animal.</p>
Reception	<p>Seasons and materials: Know that Autumn is a season and explore the changes in our school environment. Know that materials can be changed (changing states) Harvest- cooking bread.</p>	<p>Animals and materials: Explore materials and magnets. Explore animals we keep as pets.</p>	<p>Animals and seasons: Explore animals and their habitats. Know Winter is a season and explore changes in our school environment. Know ice melts and turns into a liquid from a solid.</p>	<p>Animals and seasons: Know Spring is a season and explore changes in our school environment. Know a range of farm animals and their offspring. Know the life-cycle of a butterfly.</p>	<p>Plants and seasons: Explore a plant's needs and name simple parts of a plant. Know Summer is a season and explore changes in our school environment.</p>	<p>Materials: Know that materials can be changed</p>
Year 1	<p>Animals including Humans (biology) Key Question: Are all animals totally different? Identify, name and describe a variety of common animals that are birds, fish, amphibians, reptiles, mammals and invertebrates.</p>	<p>Everyday Materials (chemistry) Key Question: Are all materials the same? Distinguish between an object and the material from which it is made. Describe the simple physical properties of a variety of everyday materials. Everyday Materials (Chemistry) Identify and name a variety of everyday materials, including wood, plastic, glass, metal, water and rock. Compare and group together a variety of everyday materials on the basis of their simple physical properties.</p>	<p>Animals, including Humans (biology) Key Question: Are all animals totally different? Identify and name a variety of common animals that are birds, fish, amphibians, reptiles, mammals and invertebrates. Describe and compare the structure of a variety of common animals (birds, fish, amphibians, reptiles, mammals and invertebrates, including pets)</p>	<p>Animals Including Humans (biology) Key Question: Are we all the same or are we all different? Describe and compare the structure of a variety of common animals (birds, fish, amphibians, reptiles, mammals and invertebrates, including pets).</p>	<p>Plants (biology) Key Question: What parts are a plant made from? Identify and name a variety of common plants, including garden plants, wild plants and trees and those classified as deciduous and evergreen.</p>	<p>Seasonal Changes (Earth Science) Key Question: Is the weather the same every day? Observe changes across the four seasons. Observe and describe weather associated with the seasons and how day length varies.</p>

<p>Year 2</p>	<p><i>Use of Everyday materials (Chemistry)</i></p> <p><i>Key question: What materials could be used to make a good raincoat?</i></p> <p><i>Identify and compare the uses of a variety of everyday materials, including wood, metal, plastic, glass, brick/rock, and paper/cardboard.</i></p>	<p><i>Living Things and Habitats (Biology)</i></p> <p><i>Key question: Is everything on Earth alive?</i></p> <p><i>Explore and compare the differences between things that are living, that are dead and that have never been alive.</i></p>	<p><i>Animals Including Humans (Biology)</i></p> <p><i>Key question: Is all food good for us?</i></p> <p><i>Observe and describe how seeds and bulbs grow into mature plants.</i></p> <p><i>Find out and describe how plants need water, light and a suitable temperature to grow and stay healthy.</i></p>	<p><i>Plants (Biology)</i></p> <p><i>Key question: Do plants grow the same amount every day?</i></p> <p><i>Identify that most living things live in habitats to which they are suited and describe how different habitats provide for the basic needs of different kinds of animals and plants and how they depend on each other.</i></p>	<p><i>Living Things and Habitats (Biology)</i></p> <p><i>Key question: Are all habitats the same?</i></p> <p><i>Describe how animals obtain their food from plants and other animals, using the idea of a simple food chain, and identify and name different sources of food.</i></p>	<p><i>Plants and Animals Including Humans (Biology)</i></p> <p><i>Key question: Do all animals start off small?</i></p> <p><i>Notice that animals, including humans, have offspring which grow into adults.</i></p> <p><i>Investigate and describe the basic needs of animals, including humans, for survival (water, food and air). Describe the importance for humans of exercise, eating the right amounts of different types of food and hygiene.</i></p>
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