

Science Coverage KS1

Explorers

Term	Cycle 1	Cycle 2
Autumn 1	Home Sweet Home Reception Unit	Never Eat Shredded Wheat Seasonal Changes Identify and describe different types of weather Understand the relationship between weather and the seasons and their effects on growing
Autumn 2	The Famous Five Light Know that fire has been used throughout history for cooking and lighting Know about simple circuits involving batteries, wires, bulbs and other components Know how a switch can be used to break a circuit Speed and Motion Notice and describe how things are moving, using simple comparisons such as faster and slower. Recognise the relationship between force, speed and distance	Pirates Sound Identify how sounds are made, associating some of them with something vibrating Recognise that sounds get fainter as the distance from the sound source increases Forces and Magnets Compare how things move on different surfaces

<p style="writing-mode: vertical-rl; transform: rotate(180deg);">Spring 1</p>	<p style="text-align: center;">Paddington's Passport</p> <p>Animals, Including Humans Find out about and describe the basic needs of animals, including humans, for survival (water, food and air) Learn about what causes food to go mouldy (particularly bread)</p>	<p style="text-align: center;">Jurassic Park</p> <p>THE WORLD / PEOPLE AND COMMUNITIES Makes observations of animals and plants Match pictures of common fossils to the animals and plants that created them. Label the animal / plant that is hidden inside. What patterns do they show? Introduce the term 'herbivore' - an animal that eats only plants. Label different parts of the dinosaur.</p>
<p style="writing-mode: vertical-rl; transform: rotate(180deg);">Spring 2</p>	<p style="text-align: center;">How Does your Garden Grow</p> <p>Living things and their Habitats 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.</p> <p>Plants Identify and name a variety of common plants, including garden plants, wild plants and trees, and those classified as deciduous and evergreen Observe and describe how seeds and bulbs grow into mature plants Identify and describe the basic structure of a variety of common flowering plants, including roots, stem/trunk, leaves and flowers Find out and describe how plants need water, light and a suitable temperature to grow and stay healthy</p>	<p style="text-align: center;">Fairies and Frogs</p> <p>Animals, Including Humans Explore and compare the differences between things that are living, dead, and things that have never been alive</p>

<p style="writing-mode: vertical-rl; transform: rotate(180deg);">Summer 1</p>	<p style="text-align: center;">Whatever The Weather</p> <p>Everyday Materials Identify and name a variety of everyday materials, including wood, plastic, glass, metal, water, and rock Know and describe the simple physical properties of a variety of everyday materials Find out how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching Compare and group together a variety of everyday materials on the basis of their simple physical properties Distinguish between an object and the material from which it is made Identify and compare the uses of a variety of everyday materials, including wood, metal, plastic, glass, brick/rock, and paper/cardboard</p> <p>Seasonal Changes Observe changes across the four seasons Observe and describe weather associated with the seasons and how day length varies</p>	<p style="text-align: center;">Neighbourhood Watch</p> <p>Living things and their Habitats 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 Identify and name a variety of plants and animals in their habitats, including micro-habitats</p>
<p style="writing-mode: vertical-rl; transform: rotate(180deg);">Summer 2</p>	<p style="text-align: center;">Beside the Sea Geography and Science Unit</p> <p>Living things and their Habitats 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 Identify and name a variety of plants and animals in their habitats, including micro-habitats 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.</p>	<p style="text-align: center;">Here Comes the Sun Science and Technology Unit</p> <p>Light Recognise that they need light in order to see things and that dark is the absence of light Recognise that light from the sun can be dangerous and that there are ways to protect their eyes Recognise that shadows are formed when the light from a light source is blocked by a solid object</p>

