

# Science long term plan KS1 - 2 year programme

YEAR A	Autumn	Spring	Summer
<u>Continuing topic throughout year</u>	<u>Unit 1.1 Our environment</u> <u>Unit 1.5 Weather</u>	<u>Unit 1.1 Our environment</u> <u>Unit 1.5 Weather</u>	<u>Unit 1.1 Our environment</u> <u>Unit 1.5 Weather</u>
	<u>Unit 2.6 Habitats</u>	<u>Unit 1.3 Everyday materials</u>	<u>Unit 1.4 Plants</u>
<u>1.1 Environment</u> <ul style="list-style-type: none"> <li>Know how to respect and handle living things in their environment</li> <li>Use their own observations to describe the changes that take place in vegetation and animal life across the year</li> <li>Use everyday terms to describe simple features living things or events they observe</li> <li>Present evidence they have collected in simple templates</li> </ul> <u>1.5 Weather</u> <ul style="list-style-type: none"> <li>observe changes across the four seasons</li> <li>observe and describe weather associated with the seasons and how day length varies</li> </ul>	<ul style="list-style-type: none"> <li>identify and name a variety of plants and animals in their habitats, including micro-habitats</li> <li>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.</li> <li>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</li> </ul>	<ul style="list-style-type: none"> <li>distinguish between an object and the material from which it is made</li> <li>identify and name a variety of everyday materials, including wood, plastic, glass, metal, water, and rock</li> <li>describe the simple physical properties of a variety of everyday materials</li> <li>compare and group together a variety of everyday materials on the basis of their simple physical properties</li> <li>find out how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching</li> </ul>	<ul style="list-style-type: none"> <li>identify and name a variety of common wild and garden plants, including deciduous and evergreen trees</li> <li>identify and describe the basic structure of a variety of common flowering plants, including trees</li> <li>observe the growth of bulbs and/or seeds</li> </ul>

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<b>YEAR B</b>	Autumn 1	Autumn 2	Spring	Summer
<b><u>Continuing topic throughout year</u></b>	<b><u>UNIT 2.1 Local habitats</u></b>		<b><u>UNIT 2.1 Local habitats</u></b>	<b><u>UNIT 2.1 Local habitats</u></b>
<b><u>UNIT 2.1 Local habitats</u></b> (below)	<b><u>Unit 2.2</u></b> <b><u>Living things</u></b>	<b><u>Unit 2.3</u></b> <b><u>Animals and their needs</u></b>	<b><u>Unit 2.5</u></b> <b><u>Materials</u></b>	<b><u>Unit 2.4</u></b> <b><u>Plants</u></b>
<ul style="list-style-type: none"> <li>Know how to respect living things in their environment</li> <li>Describe the changes that take place in vegetation and animal life in a habitat and a micro-habitat across the four seasons</li> <li>Ask simple questions and recognise that they can be answered in different ways</li> <li>Use simple scientific vocabulary to describe their ideas and observations</li> <li>Present their ideas and evidence in appropriate ways</li> </ul>	<ul style="list-style-type: none"> <li>explore and compare the differences between things that are living, dead, and things that have never been alive</li> <li>describe the characteristics of living things</li> <li>know that plants are living things</li> </ul>	<ul style="list-style-type: none"> <li>know that animals, including humans, have offspring which grow into adults</li> <li>describe the basic needs of animals, including humans, for survival</li> <li>describe the importance for humans of exercise, eating the right amounts of different types of food, and hygiene.</li> </ul>	<ul style="list-style-type: none"> <li>identify and compare the suitability of a variety of everyday materials, including wood, metal, plastic, glass, brick, rock, paper and cardboard for particular uses</li> <li>find out how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching.</li> </ul>	<ul style="list-style-type: none"> <li>observe and describe how seeds and bulbs grow into mature plants</li> <li>find out and describe how plants need water, light and a suitable temperature to grow and stay healthy.</li> </ul>