

Progression of skills for Science

YR progression checkpoint	The Natural World
September	<p>Enjoys playing with small world reconstructions, building on first-hand experiences</p> <p>Notices detailed features of objects in their environment</p>
Christmas	<p>Comments and asks questions about aspects of their familiar world such as the place where they live or the natural world</p> <p>Shows care and concern for living things and the environment</p> <p>Begin to understand the effect their behaviour can have on the environment</p>
Easter	<p>Looks closely at similarities, differences, patterns and change in nature</p> <p>Knows about similarities and differences in relation to places, objects, materials and living things</p>
EOY incl. ELG	<p>Explore the natural world around them, making observations and drawing pictures of animals and plants.</p> <p>Know some similarities and differences between the natural world around them and contrasting environments, drawing on their experiences and what has been read in class.</p> <p>Understand some important processes and changes in the natural world around them, including the seasons and changing states of matter.</p> <p>Talks about the features of their own immediate environment and how environments might vary from one another</p> <p>Makes observations of animals and plants and explains why some things occur, and talks about changes</p>

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	Progression in concepts		
	Year R	Year 1	Year 2
Animals (including humans)	<p>Explore the natural world around them, making observations and drawing pictures of animals.</p> <p>Makes observations of animals and explains why some things occur, and talks about changes.</p>	<p>Identify and name a variety of common animals including, fish, amphibians, reptiles, birds and mammals</p> <p>Identify and name a variety of common animals that are carnivores, herbivores and omnivores</p> <p>Describe and compare the structure of a variety of common animals (fish, amphibians, reptiles, birds and mammals including pets)</p> <p>Identify, name, draw and label the basic parts of the human body and say which part of the body is associated with each sense.</p>	<p>Notice that animals, including humans, have offspring which grow into adults</p> <p>Find out about and describe the basic needs of animals, including humans, for survival (water, food and air)</p> <p>Describe the importance for humans of exercise, eating the right amounts of different types of food, and hygiene.</p>
Plants	<p>Explore the natural world around them, making observations and drawing pictures of plants.</p> <p>Makes observations of plants and explains why some things occur, and talks about changes.</p>	<p>Identify and name a variety of common wild and garden plants, including deciduous and evergreen trees</p> <p>Identify and describe the basic structure of a variety of common flowering plants, including trees</p>	<p>Observe and describe how seeds and bulbs grow into mature plants</p> <p>Find out and describe how plants need water, light and a suitable temperature to grow and stay healthy.</p>
Materials	<p>Knows about similarities and differences in relation to places, objects, materials and living things</p>	<p>Distinguish between an object and the material from which it is made</p>	<p>Identify and compare the suitability of a variety of everyday materials, including wood, metal, plastic, glass, brick, rock, paper and cardboard for different uses</p>

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		<p>Identify and name a variety of everyday materials, including wood, plastic, glass, metal, water, and rock</p> <p>Describe the simple physical properties of a variety of everyday materials</p> <p>Compare and group together a variety of everyday materials on the basis of their simple physical properties</p>	<p>Compare how things move on different surfaces.</p> <p>Find out how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching</p>
Seasonal change	<p>Understand some important processes and changes in the natural world around them, including the seasons and changing states of matter.</p>	<p>Observe changes across the 4 seasons</p> <p>Observe and describe weather associated with the seasons and how day length varies.</p>	
Living things and their habitats	<p>Know some similarities and differences between the natural world around them and contrasting environments, drawing on their experiences and what has been read in class.</p> <p>Talks about the features of their own immediate environment and how environments might vary from one another</p>		<p>Explore and compare the differences between things that are living, dead, and things that have never been alive</p> <p>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</p> <p>Identify and name a variety of plants and animals in their habitats, including microhabitats</p> <p>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>

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End of KS1 Working scientifically (covered through all units)	
	<ul style="list-style-type: none">• Asking simple questions and recognising that they can be answered in different ways• Observing closely, using simple equipment• Performing simple tests• Identifying and classifying• Using their observations and ideas to suggest answers to questions• Gathering and recording data to help in answering questions.