

## Science Progression Map

		EYFS	Year 1	Year 2
<b>Asking simple questions</b>	Plants	<ul style="list-style-type: none"> <li>• What plants can you see?</li> <li>• Observe and discuss plants in our local environment.</li> </ul>	<ul style="list-style-type: none"> <li>• What is a plant?</li> <li>• How many different types of plants are there?</li> <li>• How many different types of trees are there?</li> </ul>	<ul style="list-style-type: none"> <li>• What do plants need to survive?</li> <li>• Do plants always come from a seed?</li> <li>• How do plants grow?</li> </ul>
	Animals, including Humans	<ul style="list-style-type: none"> <li>• Use senses to explore the world around you.</li> </ul>	<ul style="list-style-type: none"> <li>• What do animals eat?</li> <li>• How many different animal groups are there?</li> </ul>	<ul style="list-style-type: none"> <li>• What do animals need in order to survive?</li> <li>• What do humans need in order to stay healthy?</li> </ul>
	Materials	<ul style="list-style-type: none"> <li>• Discuss different materials in our local environment. What does the material feel like?</li> </ul>	<ul style="list-style-type: none"> <li>• What are objects made from?</li> <li>• Use senses to explore everyday materials and their properties.</li> </ul>	<ul style="list-style-type: none"> <li>• Which material is the best to use for a particular purpose?</li> <li>• How can an object be changed?</li> </ul>
	Seasonal Changes	<ul style="list-style-type: none"> <li>• Ask questions about what is observed during the seasons as they happen.</li> </ul>	<ul style="list-style-type: none"> <li>• What season is it, currently?</li> <li>• What is the weather like?</li> <li>• How has the weather changed?</li> <li>• How many hours of sunlight are there, currently? Why does this happen?</li> </ul>	
	Living Things and their Habitats			

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<b>Performing Simple Tests</b>	Plants	Observations are used, rather than testing.		<ul style="list-style-type: none"> <li>Perform tests to find out and describe how plants need water, light and a suitable temperature to grow and stay healthy.</li> </ul>
	Animals, including Humans	Observations are used, rather than testing.		
	Materials	<ul style="list-style-type: none"> <li>Use different materials for different purposes during play.</li> </ul>	<ul style="list-style-type: none"> <li>Explore and experiment with a wide variety of materials. Perform simple tests to explore questions, for example: 'What is the best material for an umbrella?'</li> </ul>	<ul style="list-style-type: none"> <li>Find out how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching.</li> <li>Identify and compare the suitability of a variety of everyday materials.</li> </ul>
	Seasonal Changes	Observations are used.		
	Living Things and their Habitats			Observations are used.
<b>Observing closely, using simple equipment</b>	Plants	<ul style="list-style-type: none"> <li>Observe plants, growing from seeds.</li> </ul>	<ul style="list-style-type: none"> <li>Identify and describe the basic structure of a variety of common flowering plants, including trees.</li> <li>Observe the growth of plants/vegetables the children have grown.</li> </ul>	<ul style="list-style-type: none"> <li>Observe and describe how seeds and bulbs grow into mature plants.</li> </ul>

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	Animals, including Humans	<ul style="list-style-type: none"> <li>Using the local environment, explore the world around them.</li> </ul>	<ul style="list-style-type: none"> <li>Use their observations at first hand or through videos and photographs.</li> </ul>	<ul style="list-style-type: none"> <li>Use their observations to compare and contrast animals at first hand or through videos and photographs.</li> </ul>
	Materials	<ul style="list-style-type: none"> <li>Observe different materials during play and when exploring the world around them.</li> </ul>	<ul style="list-style-type: none"> <li>Distinguish between an object and the material from which it is made.</li> </ul>	<ul style="list-style-type: none"> <li>Identify and compare the suitability of a variety of everyday materials through use of observations.</li> <li>Explore how some objects can be changed by e.g. squashing, bending, twisting and stretching.</li> </ul>
	Seasonal Changes	<ul style="list-style-type: none"> <li>Observe and discuss the weather as the seasons change.</li> </ul>	<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>	
	Living Things and their Habitats			<ul style="list-style-type: none"> <li>Explore things that are living, dead and never lived.</li> </ul>
		EYFS	Year 1	Year 2
<b>Identification and Classification</b>	Plants	<ul style="list-style-type: none"> <li>Using the local environment, explore the world around them.</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> </ul>	<ul style="list-style-type: none"> <li>Identify what plants need in order to grow and stay healthy.</li> </ul>

## Science Progression Map

		Observations will take place.		
	Animals, including Humans	<ul style="list-style-type: none"> <li>Identify and classify animals during play, for example farm animals, jungle animals, fish).</li> </ul>	<ul style="list-style-type: none"> <li>Identify and name a variety of common animals including fish, amphibians, reptiles, birds and mammals.</li> <li>Describe and compare the structure of a variety of common animals (fish, amphibians, reptiles, birds and mammals including pets).</li> </ul>	<ul style="list-style-type: none"> <li>Identify and classify animals during the different stages of their life cycle.</li> </ul>
	Materials	<ul style="list-style-type: none"> <li>Using the local environment, explore the world around them.</li> </ul>	<ul style="list-style-type: none"> <li>Identify and name a variety of everyday materials, including wood, plastic, glass, metal, water, and rock.</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> </ul>
	Seasonal Changes	<ul style="list-style-type: none"> <li>Explore the world around them, identify what the weather is like.</li> </ul>	<ul style="list-style-type: none"> <li>Identify and describe weather associated with the seasons.</li> </ul>	
	Living Things and their Habitats			<ul style="list-style-type: none"> <li>Identify that most living things live in habitats to which they are suited and describe how different habitats</li> </ul>

## Science Progression Map

				<p>provide for the basic needs of different kinds of animals and plants, and how they depend on each other.</p> <ul style="list-style-type: none"> <li>Identify and name a variety of plants and animals in their habitats, including microhabitats.</li> </ul>
<b>Using observations and ideas, to suggest answers to questions</b>	Plants	<ul style="list-style-type: none"> <li>Plants seeds and care for them.</li> </ul>	<ul style="list-style-type: none"> <li>Through observations, answer questions about plants growing in their habitat.</li> </ul>	<ul style="list-style-type: none"> <li>Observe similar plants at different stages of growth; setting up a comparative test to show that plants need light and water to stay healthy.</li> <li>Explain how animals obtain their food from plants and other animals.</li> </ul>
	Animals, including Humans	<ul style="list-style-type: none"> <li>Discuss where some animals live.</li> </ul>	<ul style="list-style-type: none"> <li>Using observations to compare and contrast animals at first hand or through videos and photographs, suggesting answers to questions they have.</li> </ul>	<ul style="list-style-type: none"> <li>Explain that humans must maintain a healthy diet, hygiene and exercise to remain healthy.</li> </ul>

## Science Progression Map

	Materials	<ul style="list-style-type: none"> <li>Recognise different materials in the world around them and through play-based activities.</li> </ul>	<ul style="list-style-type: none"> <li>Discuss a variety of materials and describe their properties, by exploring using their senses.</li> </ul>	<ul style="list-style-type: none"> <li>Explain the suitability of materials by comparing objects.</li> </ul>
	Seasonal Changes	<ul style="list-style-type: none"> <li>Using their senses explore the world around them and through play-based activities.</li> </ul>	<ul style="list-style-type: none"> <li>Describe the changes in the environment during the seasons.</li> </ul>	
	Living Things and their Habitats			<ul style="list-style-type: none"> <li>Ask and answer questions about the local environment to identify and study a variety of plants and animals within their habitat and observe how living things depend on each other, for example, plants serving as a source of food and shelter for animals.</li> </ul>
<b>Gathering and recording data to help in answering questions</b>	Plants	<ul style="list-style-type: none"> <li>Observe plants and draw a picture.</li> </ul>	<ul style="list-style-type: none"> <li>Record how plants have changed overtime, throughout the different seasons.</li> <li>Timing and observing height of plants and rate at which they grow.</li> </ul>	<ul style="list-style-type: none"> <li>Observe and record the growth of a variety of plants as they change over time.</li> <li>Set up a comparative test and record the changes over time, to show what plants need in order to stay healthy.</li> </ul>

## Science Progression Map

	Animals, including Humans	<ul style="list-style-type: none"> <li>Explore the world around them through play-based activities.</li> </ul>	<ul style="list-style-type: none"> <li>Complete a checklist of animals in the local environment.</li> </ul>	<ul style="list-style-type: none"> <li>To recognise growth, they will learn about life cycles and draw the life cycle of particular animals.</li> </ul>
	Materials	<ul style="list-style-type: none"> <li>Explore the world around them through play-based activities.</li> </ul>	<ul style="list-style-type: none"> <li>Group materials based on their properties.</li> </ul>	<ul style="list-style-type: none"> <li>Find out how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching.</li> </ul>
	Seasonal Changes	<ul style="list-style-type: none"> <li>Explore the world around them through play-based activities.</li> </ul>	<ul style="list-style-type: none"> <li>Completing a chart/table about the weather.</li> </ul>	
	Living Things and their Habitats			<ul style="list-style-type: none"> <li>Sort and classify things according to whether they are living, dead or were never alive, and record their findings using charts.</li> </ul>