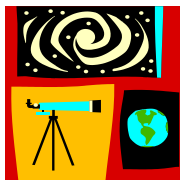


# Science Curriculum Map

Autumn Term	Spring Term	Summer Term
<p><b>Foundation Stage:</b>            Children in the foundation stage are taught science through the science elements of the Foundation Stage Curriculum 'Understanding the World', under the specific element of 'The World'. Children will learn about similarities and differences in relation to places, objects, materials and living things which involves guiding children to make sense of their physical world. They will talk about features of their own environment and how environments might vary from one another. Children will make observations of animals and plants and explain why some things occur, and also talk about changes.</p>		
<p>Through all KS1 topics the children are taught to <b>Work Scientifically</b> by:</p> <ul style="list-style-type: none"> <li>• asking simple questions and recognising that they can be answered in different ways</li> <li>• observing closely, using simple equipment</li> <li>• performing simple tests</li> <li>• identifying and classifying</li> <li>• using their observations and ideas to suggest answers to questions</li> <li>• gathering and recording data to help in answering questions</li> </ul>		
<p><b>Year 1: Everyday Materials</b>            Children will be taught to:</p> <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</li> </ul>	<p><b>Year 1: Plants</b>            Children will be taught to:</p> <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> </ul>	<p><b>Year 1: Animals, including humans</b>            Children will be taught to</p> <ul style="list-style-type: none"> <li>• identify and name a variety of common animals including fish, amphibians, reptiles, birds and mammals</li> <li>• identify and name a variety of common animals that are carnivores, herbivores and omnivores</li> <li>• describe and compare the structure of a variety of common animals</li> </ul>



# Science Curriculum Map

<p>everyday materials on the basis of their simple and physical properties.</p>		<ul style="list-style-type: none"> <li>identify, name, draw and label the basic parts of the human body and say which part of the body is associated with each sense.</li> </ul> <p><b>Seasonal changes</b> Children will be taught to</p> <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>
<p><b>Year 2: Animals including humans</b> Children will be taught to:</p> <ul style="list-style-type: none"> <li>notice that animals, including humans have offspring which grow into adults</li> <li>find out about and 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>	<p><b>Year 2: Uses of everyday materials</b> Children will be taught to:</p> <ul style="list-style-type: none"> <li>identify and compare the suitability of a variety of everyday materials, including wood, metal, plastic, 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>	<p><b>Year 2: Living things and their habitats</b> Children will be taught to:</p> <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>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>



# Science Curriculum Map

		<ul style="list-style-type: none"><li>• identify and name a variety of plants and animals in the habitats, including microhabitats</li><li>• describe how animals obtain their food from plants and other animals, using the idea of a simple food chain and name different sources of food.</li></ul> <p><b>Plants</b> Children will be taught to:</p> <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>
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