

## Curriculum Map: SCIENCE

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	Key Knowledge and Skills					Term 1	Term 2	Term 3	Term 4	Term 5	Term 6	
Reception	<ul style="list-style-type: none"><li>• Use all their senses in hands-on exploration of natural materials.</li><li>• Explore collections of materials with similar and/or different properties.</li><li>• Talk about what they see, using a wide vocabulary</li><li>• Plant seeds and care for growing plants.</li><li>• Understand the key features of the life cycle of a plant and an animal.</li><li>• Begin to understand the need to respect and care for the natural environment and all living things</li><li>• Explore and talk about different forces they can feel</li><li>• Talk about the differences between materials and changes they notice.</li></ul>					Seasons, weather and change		What can I build?	How have I changed?	What grows?		
Enrichment							Forest School	Local area walk Forest School	Forest School	Forest School Farm trip	Forest School	
Year 1	<p><u>Plants</u></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><u>Animals and Humans</u></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 (fish, amphibians, reptiles, birds, mammals, inc pets)</li><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><u>Materials</u></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 everyday materials on the basis of their simple physical properties.</li></ul> <p><u>Seasonal Change</u></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>Working Scientifically skills (throughout KS1)</b></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>	What is my hat made of?		What changes around me?	Where is my school?	What grows near me?	What am I?  What might I do in the future?
Enrichment		Hat parade Milliner visit		Local area walk			Planting	Noah’s Ark trip				
Year 2	<p><u>Living things and their habitats</u></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>• 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> <p><u>Plants</u></p> <ul style="list-style-type: none"><li>• Identify and name a variety of plants and animals in their habitats, including micro-habitats.</li><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> <p><u>Materials</u></p> <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> <p><u>Animals and Humans</u></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 (water, food and air).</li><li>• Describe the importance for humans of exercise, eating the right amounts of different types of food, and hygiene</li></ul>						What can play equipment be made of?		What is home?	How do plants grow near me?	How do we live a healthy life?	
Enrichment		Local park visit		Local area walk	Planting		Athlete visit					
Extra-Curricular Activities		Science Club	Science Club	Science Club	Science Club		Science Club	Science Club				