



# KS1 Science Long Term Plan

<b>Year 1</b>	Autumn term 1	Autumn term 2	Spring term 3	Spring term 4	Summer term 5	Summer term 6
<b>Seasonal changes</b>	Observe changes across the four seasons: focus on autumn	Observe changes across the four seasons: focus on winter Observe and describe weather associated with the seasons and how day length varies (shortest day)		Observe changes across the four seasons: focus on spring	Observe changes across the four seasons: focus on summer Observe and describe weather associated with the seasons and how day length varies (longest day)	
<b>Animals, including humans</b>	Identify and name a variety of common animals including fish, amphibians, reptiles, birds and mammals	Identify and name a variety of common animals that are carnivores, herbivores and omnivores	Describe and compare the structure of a variety of common animals (fish, amphibians, reptiles, including pets)	Describe and compare the structure of a variety of common animals (birds and mammals, including pets)	Identify, name, draw and label the basic parts of the human body	Say which part of the body is associated with each sense
<b>Everyday materials</b>			Describe the simple physical properties of a variety of everyday materials	Compare and group together a variety of everyday materials on the basis of their simple physical properties	Distinguish between an object and the material from which it is made	Identify and name a variety of everyday materials, including wood, plastic, glass, metal, water, and rock
<b>Plants</b>	Identify and name a variety of common wild and garden plants	Identify and name a variety of common deciduous and evergreen trees			Identify and describe the basic structure of a variety of common flowering plants	Identify and describe the basic structure of a variety of common trees
<b>Working Scientifically</b>	<ul style="list-style-type: none"> <li>- Observing closely, using simple equipment</li> <li>- Performing simple tests</li> <li>- Identifying and classifying</li> <li>- Asking simple questions and recognising that they can be answered in different ways</li> </ul>	<ul style="list-style-type: none"> <li>- Observing closely, using simple equipment</li> <li>- Gathering and recording data to help in answering questions</li> <li>- Asking simple questions and recognising that they can be answered in different ways</li> </ul>	<ul style="list-style-type: none"> <li>- Observing closely, using simple equipment</li> <li>- Identifying and classifying</li> <li>- Using their observations and ideas to suggest answers to questions</li> <li>- Performing simple tests</li> </ul>	<ul style="list-style-type: none"> <li>- Observing closely, using simple equipment</li> <li>- Identifying and classifying</li> <li>- Gathering and recording data to help in answering questions.</li> </ul>	<ul style="list-style-type: none"> <li>- Observing closely, using simple equipment</li> <li>- Identifying and classifying</li> <li>- Performing simple tests</li> <li>- Gathering and recording data to help in answering questions</li> </ul>	<ul style="list-style-type: none"> <li>- Observing closely, using simple equipment</li> <li>- Identifying and classifying</li> <li>- Performing simple tests</li> <li>- Gathering and recording data to help in answering questions</li> </ul>



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<b><u>Year 2</u></b>	Autumn term 1	Autumn term 2	Spring term 3	Spring term 4	Summer term 5	Summer term 6
<b>Living things and their habitats</b>	Identify that most living things live in habitats to which they are suited	Describe how different habitats provide for the basic needs of different kinds of animals and plants and how they depend on each other	Explore and compare the differences between things that are living, dead, and things that have never been alive	Identify and name a variety of plants and animals in their habitats, including micro-habitats	Describe how animals obtain their food from plants and other animals, using the idea of a simple food chain	Identify and name different sources of food
<b>Plants</b>	Investigate the requirements plants have to grow healthily		Observe and describe how seeds and bulbs grow into mature plants	Find out and describe how plants need water, light and a suitable temperature to grow and stay healthy	Observe and describe how seeds and bulbs grow into mature plants	Compare plants growing in different conditions and describes why they are or are not healthy
<b>Animals, including humans</b>		Notice that animals, including humans, have offspring which grow into adults		Find out about and describe the basic needs of animals, including humans, for survival (water, food and air)		Describe the importance for humans of exercise, eating the right amounts of different types of food, and hygiene
<b>Uses of everyday materials</b>	Identify a variety of everyday materials, including wood, metal, plastic, glass, brick, rock, paper and cardboard	Explore and list the properties of a wider range of everyday materials	Compare the suitability of a variety of everyday materials for particular uses	Find out how the shapes of solid objects made from some materials can be changed	Think about and describe unusual and/or creative ways of using everyday materials	
<b>Working scientifically</b>	<ul style="list-style-type: none"> <li>- Identifying and classifying</li> <li>- Asking simple questions and recognising that they can be answered in different ways</li> <li>- Using their observations and ideas to suggest answers to questions</li> </ul>	<ul style="list-style-type: none"> <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>	<ul style="list-style-type: none"> <li>- Observing closely, using simple equipment</li> <li>- Performing simple tests</li> <li>- Using their observations and ideas to suggest answers to questions</li> </ul>	<ul style="list-style-type: none"> <li>- Identifying and classifying</li> <li>- Asking simple questions and recognising that they can be answered in different ways</li> <li>- Gathering and recording data to help in answering questions</li> </ul>	<ul style="list-style-type: none"> <li>- Observing closely, using simple equipment</li> <li>- Gathering and recording data to help in answering questions.</li> <li>- Observing closely, using simple equipment</li> </ul>	<ul style="list-style-type: none"> <li>- Identifying and classifying</li> <li>- Gathering and recording data to help in answering questions.</li> <li>- Observing closely, using simple equipment</li> <li>- Performing simple tests</li> </ul>