

Science is a subject that is taught every half term.

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 1	<p><u>The human body:</u> In this unit the children will be learning about the human body. They will learn body part names and have an understanding of what the differing parts are for. They will be able to label body parts. They will look at their five senses and begin to understand how different body parts are linked to different senses.</p> <p>By the end of the unit- Children will be able to name and label human body parts including senses and understand what each part is used for.</p>	<p><u>Seasonal change:</u> In this unit the children will be starting to look at seasonal change. They will be asking What does autumn look like? They will look at trees and Autumnal weather differences.</p> <p><u>Materials</u> In this unit the children will be investigating the difference between an object and the material it is made from. They will explore waterproof vs non waterproof and bendy/ not bendy.</p> <p>By the end of the unit- Children will be able to talk about and describe the season of Autumn. Name different materials and describe some of their properties.</p>	<p><u>Seasonal change:</u> In this unit the children will look at the season of winter. They will be asking What does winter look like?</p> <p><u>Materials</u> Children will continue their learning by exploring hard/soft, stretchy/stiff, and rough/ smooth. They will then think of their own ways to sort materials.</p> <p>By the end of the unit- Children will be able to describe the season of Winter.</p> <p>Describe some of the properties of materials and sort materials based on these.</p>	<p><u>Animals:</u> In this unit children will explore a range of animals and their features. They will begin to sort animals based on their features. They will look at animals diets and sorting them into herbivore, carnivore and omnivore.</p> <p>By the end of the unit- Children will be able to describe some of the basic features of a range of animals. They will be able to put animals into groups based on their features. They will be able to talk about animal diets.</p>	<p><u>Seasonal change:</u> In this unit the children will look at the season of Spring. They will be asking What does Spring look like?</p> <p><u>Animals:</u> In this unit children will begin to understand that some animals are born and some hatch. They will spend time thinking about pets and will have the opportunity to 'ask an expert' some questions that they want to find the answers to about pets.</p> <p>By the end of the unit- Children will be able to describe the season of Winter.</p> <p>Children will be able to sort animals into groups based on if they are born or hatch. They will pose their own questions about pets.</p>	<p><u>Seasonal change:</u> In this unit the children will continue to look at seasonal change. They will be asking-What does summer look like? They will look at trees and how they are different within the summer season. They will look at summer weather differences.</p> <p><u>Plants:</u> In this unit the children will be investigating planting seeds and observing them as they grow. They will be labelling plant and tree parts and naming plants in our school grounds.</p> <p>By the end of the unit- Children will be able to talk about and describe the season of Summer and how it is different from other seasons. Children will be able to name plants and parts of them.</p>

Year 2	<p><u>Healthy humans:</u> In this unit the children will looking at the different stages of human development. They will learn about things needed to survive and the effects of exercise on our bodies. They will learn about germs and understand how they spread. They will carry out an investigation and record their findings in graphs and charts. Life stages and growing up, wants and needs, exercise, germs and hygiene</p> <p>By the end of the unit- Children will know the stages of human development, understand that shelter, food, water and air are needed to survive. The role of exercise. What germs are and how they affect us.</p>	<p><u>Materials:</u> In this unit the children will learn about different materials and their properties. They will make choices about the best material to be used for a specific purpose. They will investigate the properties of different materials including solid materials and how a solid material can change shape.</p> <p>By the end of the unit- Children will have explored many different materials and will understand their suitability for different objects.</p>	<p><u>Healthy eating:</u> In this unit the children will learn about healthy and unhealthy. They will understand that different types of food are needed to maintain a healthy lifestyle. They will take part in experiments and investigations making predictions and recording their data in graphs and charts.</p> <p>By the end of the unit- Children will know about choosing healthy foods. They will understand how to carry out an investigation into healthy food.</p>	<p><u>Animals:</u> In this unit the children will learn about the terms living, dead and never been alive. They will think about matching animal young to animal adults. They will know what animals need to survive and how to take care of a pet. They will explore different habitats and how animals are adapted to these.</p> <p>By the end of the unit- Children will be able to sort items into living, dead, never been alive. They will match animal babies to their mothers. They will be able to say what animals need to survive and give some facts about caring for a pet. They will understand that different animals are best suited to different habitats.</p>	<p><u>Animals:</u> In this unit children will watch a caterpillar lifecycle and observe this over time. Children will look at different habitats and sort animals into these. Children will look around the school grounds for different animals that live in 'micro-habitats' and will make a chart about their findings. They will look at creating their own food chains.</p> <p>By the end of the unit- Children will be able to watch the process of a caterpillar turning into a butterfly. They will be able to talk about animals being suited to their habitats. Children will understand that there are many 'micro habitats' such as under rocks where some animals live. They will understand how energy passes through a food chain.</p>	<p><u>Plants:</u> In this unit children will learn about seeds ad bulbs. Children will learn that plants need water, light and a suitable temperature to grow. They will set up investigations to observe plant growth and how different factors impact this.</p> <p>By the end of this unit- Children will understand the basic needs to grow healthy plants and how to set up an investigation to explore this</p>
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