

Whitefield Primary School – Long Term Curriculum Overview – Year 2

Science

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 2 LC						
Science area	Living things and their habitats		Materials		Animals, including humans	Plants
NC Links	<p><u>Working scientifically (KS1)</u></p> <ul style="list-style-type: none"> ● asking simple questions and recognising that they can be answered in different ways ● observing closely, using simple equipment ● performing simple tests ● identifying and classifying ● using their observations and ideas to suggest answers to questions ● Gathering and recording data to help in answering questions. 					
	<p>Explore and compare the differences between things that are living, dead, and things that have never been alive (Y2)</p> <p>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 (Y2)</p> <p>Identify and name a variety of plants and animals in their habitats,</p>		<p>Identify and compare the suitability of a variety of everyday materials, including wood, metal, plastic, glass, brick, rock, paper and cardboard for particular uses (Y2)</p> <p>Find out how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching.(Y2)</p> <p><u>Ideas</u> Investigate 'How can we classify gloops?' Measure how long they take to form a puddle or fall down a ramp.</p>		<p>Notice that animals, including humans, have offspring which grow into adults. (Y2)</p> <p>Find out about and describe the basic needs of animals, including humans for survival (water, food, air) (Y2)</p> <p>Describe the importance for humans of exercise, eating the right amounts of different types of food, and hygiene (Y2)</p>	<p>Observe and describe how seeds and bulbs grow into mature plants (Y2)</p> <p>Investigate 'What type of plants are in our school grounds?' (tally chart) Record – seesaw</p> <p>Find out and describe how plants need water, light and a suitable temperature to grow and stay healthy. (Y2)</p> <p>Tigtag – life processes – green plants 'Does the position of the seed effect how it grows?'</p>

	<p>including micro-habitats (Y2)</p> <p>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. (Y2)</p> <p>Tigtag – life processes – living things and their environment</p>	<p>Investigate: 'What happens to foam burst once you have squirted it out?' Check every hour measure the volume reading the scale on the measuring cylinder Record Practical strip bar chart</p> <p>Explain how materials are changed by heating and cooling (potions/cooking) (Y2) Investigate: 'How quick can you make a chocolate button?' with hot boxes.</p> <p>Tigtag –Material Processes- solids liquids and gases</p>	<p>Investigate 'Which is the best exercise to keep us healthy?' Record: Measure heart rate after walking, jogging and skipping.</p> <p>Observe what happens to insect eggs over time.</p> <p>To understand a life cycle.</p> <p>Tigtag – life processes – variation and classification</p>	
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