

Bullion Lane Primary School

Science Curriculum

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Nursery	<p>Use all senses in hands on exploration of natural materials.</p> <p>Explore collections of materials with similar and/or different properties</p>	<p>Explore how things work</p> <p>Talk about the difference between materials and changes they notice.</p>	<p>Make healthy choices about food, drink, activity and toothbrushing.</p> <p>Make connections between the features of their family and other families</p> <p>Notice differences between people</p>	<p>Begin to understand the need to respect and care for the natural environment</p> <p>Understand 'why' questions like "why do you think the caterpillar got so fat?"</p>	<p>Plant seeds and care or growing plants</p> <p>Begin to understand the key features of a plant and animal's life cycle.</p>	<p>Explore and talk about different forces they can feel</p> <p>Explore how things work</p> <p>Talk about what they see, using a wide vocabulary</p>
Reception	<p>Animals inc Humans</p> <p>Children will learn to:</p> <ul style="list-style-type: none"> know that different animals have different body parts know that different animals like different foods and live in difference places know that some animals are big and some animals are small. know that some animals hibernate know that some animals are adapted to live under the sea and that humans are adapted to live on land know that if I wash my hands then that will kill off germs know about the importance of a healthy diet know that exercise is good for my body 	<p>Everyday Materials</p> <p>Children will learn to:</p> <ul style="list-style-type: none"> know that objects are made from different materials know about similarities and differences in relation to places, objects, materials and living things know how to about the features of my immediate environment and how environments might vary from one another know how to make observations of animals and plants and explain why some things occur, and talk about changes 	<p>Magnets</p> <p>Children will learn to:</p> <ul style="list-style-type: none"> know that magnets are 'sticky' without being sticky. know magnets stick to certain materials (metals) know how to find an object which a magnet will stick to 	<p>Living things and their habitats</p> <p>Children will learn to:</p> <ul style="list-style-type: none"> know about similarities and differences in relation to living things and their habitats know how to talk about the features of my own immediate environment and how environments might vary from one another know how to make observations of animals and plants and explain why some things occur, and talk about changes. 	<p>Plants</p> <p>Children will learn to:</p> <ul style="list-style-type: none"> know that plants need sun to grow know that plants need water to grow know that most plants need soil and nutrients to grow know some plants grow from seeds 	<p>ELG: The Natural World</p> <ul style="list-style-type: none"> Explore the natural world around them, making observations and drawing pictures of animals and plants Know some similarities and differences between the natural world around them and contrasting environments Understand some important processes and changes in the natural world around them, including the seasons and changing states of matter.

Cycle A Year 1/2	Animals incl Humans The Human Body	Materials	Animals incl Humans Animals	Seasonal Changes Spring / Summer	Plants	Scientists and Inventors
Cycle A Year 3/4	Animals incl Humans Skeletons	Rocks	Light	Forces and Magnets Pushes and Pulls	Plants	Scientists and Inventors
Cycle A Year 4/5	Recycling	Changing Materials Investigations	States Of Matter Water	Global Warming	Forces Rocket Pack	Scientists and Inventors
Cycle A Year 5/6	Living Things and their Habitats Reproduction	Living Things and their Habitats Classification	Materials	Evolution and Inheritance	Forces Gravity & Friction	Scientists and Inventors

Cycle B Year 1/2	Animals incl Humans Survival	Seasonal Changes Autumn / Winter	Living Things and their Habitats	Use Of Everyday Materials	Plants	Scientists and Inventors
Cycle B Year 3/4	Animals incl Humans	States Of Matter Solids, Liquids & Gases	Sound	Electricity Circuits and Switches	Living Things and their Habitats	Scientists and Inventors
Cycle B Year 4/5	Recycling	Changing Materials Investigations	States Of Matter Water	Global Warming	Forces Rocket Pack	Scientists and Inventors
Cycle B Year 5/6	Animals incl Humans Human Development	Animals incl Humans Human Body	Light	Electricity	Earth and Space	Renewable Energy