

**Long Term Plan for Science**

	<b>Theme 1</b>	<b>Theme 2</b>	<b>Theme 3</b>
<b>EYFS</b>	<b>Living Things and their Habitats / Seasons</b> <b>What's the weather?</b> <i>What is the weather like in the Autumn/Winter/Spring/Summer?</i> <i>What signs of Spring can we see? (seasons observed in real time, following the cycle of the year).</i>	<b>Animals including Humans</b> <b>What makes me healthy?</b> <i>What are the names of the parts of my body?</i> <i>What are the 5 senses?</i>	<b>Plants</b> <b>What's in the garden?</b> <i>What do we call the basic parts of plants?</i> <i>Can we grow a plant?</i>
<b>Year 1</b>	<b>Animals Including Humans</b> <b>What kind of animal am I?</b> <i>What are the 5 main groups in the animal kingdom?</i> <i>What are the characteristics of each group?</i>	<b>Everyday Materials</b> <b>What is everything made of?</b> <i>How can I describe different materials?</i> <i>What does absorbent mean?</i>	<b>Plants</b> <b>What is a plant?</b> <i>Is a tree a plant?</i> <i>How does a seed grow?</i>  <b>(*Seasonal Change, taught throughout the year)</b> <i>How can we measure the weather?</i> <i>How do plants change according to the seasons?</i>
<b>Year 2</b>	<b>Uses of Everyday Materials</b> <b>How do we choose materials?</b> <i>Which materials will float?</i> <i>How can we strengthen materials?</i>	<b>Animals Including Humans</b> <b>What do living things need to survive?</b> <i>What does the word offspring mean?</i> <i>Which foods should we eat to stay healthy?</i>	<b>Living Things and their Habitats</b> <b>Do living things change or stay the same?</b> <i>How can we tell if something is living, dead or never alive?</i> <i>How do food chains transfer energy?</i>  <b>Plants</b> <b>How do plants grow?</b> <i>What is the purpose of a bulb?</i> <i>Is light so important that a plant will grow towards it?</i>
<b>Year 3</b>	<b>Animals including humans</b> <b>What do I look like on the inside?</b> <i>How do muscles work?</i>  <b>Rocks</b> <b>Are all rocks the same?</b> <i>How are fossils formed?</i>	<b>Forces and Magnets</b> <b>What attracts and what repels?</b> <i>What is friction?</i> <i>Why do magnets attract and repel?</i>	<b>Light</b> <b>What is darkness?</b> <i>How does light help us to see?</i> <i>How are shadows formed?</i>  <b>Plants</b> <b>How do plants survive?</b>

	<p><i>What are the different types of rock called?</i></p>		<p><i>How do plants make food?</i> <i>How do plants make new seeds?</i></p>
<b>Year 4</b>	<p><b>States of Matter</b> <b>What is everything made of?</b> <i>How do particles behave inside of solids, liquids and gases?</i>  <i>How is rain made?</i></p>	<p><b>Electricity</b> <b>What can electricity do?</b> <i>How can we use electricity safely?</i> <i>Can I make a circuit to light a bulb?</i></p> <p><b>Sound</b> <b>How do we hear?</b> <i>How do we know that sound travels?</i> <i>Can sound travel through solids?</i></p>	<p><b>Living things and their habitat</b> <b>Who else lives in our local habitat?</b> <i>How can living things be grouped?</i> <i>How might environmental change pose dangers to living things?</i></p> <p><b>Animals including humans</b> <b>Whose food and where does it go?</b> <i>Who's in the food chain?</i> <i>How does the human digestive system work?</i></p>
<b>Year 5</b>	<p><b>Properties and changes of materials</b> <b>How do I separate a mixture?</b> <i>Which substances will dissolve in liquid and form a solution?</i> <i>How can evaporation help to recover a substance from a solution?</i></p>	<p><b>Earth and Space</b> <b>What's above our heads?</b> <i>Why does the moon appear to change shape?</i></p> <p><b>Forces</b> <b>Why do we stay on Earth?</b> <i>What is gravity and how do we measure it?</i></p>	<p><b>Living things and their habitat</b> <b>Do all life cycles look the same?</b> <i>How does the life cycle of an insect compare to that of an amphibian?</i> <i>How do you clone a potato?</i></p> <p><b>Animals including humans</b> <b>How do we change?</b> <i>How do our bodies change in a lifetime?</i></p>
<b>Year 6</b>	<p><b>Light</b> <b>How do we see?</b> <i>Can we change the direction of light?</i> <i>What is a periscope?</i></p> <p><b>Electricity</b> <b>How does electricity travel?</b> <i>How does voltage affect the brightness of the bulb?</i></p>	<p><b>Living things and their habitats with Evolution and inheritance</b> <b>Where did we come from?</b> <i>Can I classify plants and animals based on specific characteristics?</i>  <i>How did whales evolve?</i></p>	<p><b>Animals Including Humans</b> <b>How do I stay balanced?</b> <i>How does the heart pump blood around the body?</i> <i>What happens to the human body during exercise?</i></p>