




Year Two	Intent		Implementation	Impact
	<p>It is our intention all pupils should be taught essential aspects of the knowledge, methods, processes and uses of science. Through building up a body of key foundational knowledge and concepts, pupils should be encouraged to recognise the power of explanation and develop a sense of excitement and curiosity about natural phenomena. They should be encouraged to understand how science can be used to explain what is occurring, predict how things will behave, and analyse causes. Scientific vocabulary will be embedded within a broad and balanced curriculum.</p>		<p>In ensuring high standards of teaching and learning in science, we implement a curriculum that is progressive throughout the whole school. The school gives full coverage of, 'The National Curriculum programmes of study and 'Understanding of the World' in the EYFS. Teachers will build on our children's natural curiosity developing a scientific approach to problems. We promote the skills of investigation, observing, predicting, experimenting, communicating, interpreting, explaining and evaluating and develop the use of scientific language, recording and techniques.</p>	<p>The impact and measure of this is to ensure children not only acquire the appropriate age related knowledge linked to the science curriculum, but also skills which equip them to progress from their age related starting points, and within their everyday lives.</p>
Living things and their habitats	Plants	Animals including humans	Use of Everyday materials.	Awe and wonder
<p>I can explore and compare the differences between things that are living, dead, and things that have never been alive</p>	<p>I can observe and describe how seeds and bulbs grow into mature plants</p>	<p>I can notice that animals, including humans, have offspring which grow into adults.</p>	<p>I can identify and compare the suitability of a variety of everyday materials, including wood, metal, plastic, glass, brick, rock, paper and cardboard for particular uses.</p>	<p>I can investigate a variety of activities through experimentation.</p>
<p>I can 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.</p>	<p>I can find out and describe how plants need water, light and a suitable temperature to grow and stay healthy.</p>	<p>I can find out about and describe the basic needs of animals, including humans, for survival (water, food and air)</p>	<p>I can find out how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching.</p>	<p>I can communicate verbally, reason, question and ask why and how things happen.</p>



<p>I can identify and name a variety of plants and animals in their habitats, including micro-habitats</p>		<p>I can describe the importance for humans of exercise, eating the right amounts of different types of food, and hygiene.</p>		<p>I can develop and use my scientific vocabulary and knowledge through working collaboratively while investigating.</p>
<p>I can 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.</p>				
<div data-bbox="176 778 416 970" data-label="Image"></div> <p data-bbox="176 1029 394 1098">Key Stage One Year Two</p>	<p data-bbox="504 762 1131 798"><b>Key Stage One National Curriculum Aims</b></p> <p data-bbox="533 837 2072 906">During years 1 and 2, pupils should be taught to use the following practical scientific methods, processes and skills through the teaching of the programme of study content:</p> <ul data-bbox="577 954 1825 1189" style="list-style-type: none"> <li>• Asking simple questions and recognising that they can be answered in different ways</li> <li>• Observing closely, using simple equipment</li> <li>• Performing simple tests</li> <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>			