

## Science – Year 2 – Long Term Plan – 2022/2023

Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Animals Including Humans	Use of Everyday Materials	Living Things and Their Habitats	Working Scientifically	Plants	Working Scientifically
<ul style="list-style-type: none"> <li>Notice that animals, including humans, have offspring which grow into adults.</li> <li>Find out about and describe the basic needs of animals, including humans, for survival (water, food and air).</li> <li>Describe the importance for humans of exercise, eating the right amounts of different types of food, and hygiene.</li> </ul>	<ul style="list-style-type: none"> <li>Identify and compare the suitability of a variety of everyday materials, including wood, metal, plastic, glass, brick, rock, paper and cardboard for particular uses.</li> <li>Find out how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching.</li> </ul>	<ul style="list-style-type: none"> <li>Explore and compare the differences between things that are living, dead, and things that have never been alive.</li> <li>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.</li> <li>Identify and name a variety of plants and animals in their habitats, including micro-habitats.</li> <li>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.</li> </ul>	<ul style="list-style-type: none"> <li>Ask simple questions and recognising that they can be answered in different ways observing closely.</li> <li>Use simple equipment observing closely, using simple equipment</li> <li>Gather and record data to help in answering questions.</li> <li>Use their observations and ideas to suggest answers to questions</li> <li>Perform simple tests</li> </ul>	<ul style="list-style-type: none"> <li>Observe and describe how seeds and bulbs grow into mature plants.</li> <li>Find out and describe how plants need water, light and a suitable temperature to grow and stay healthy.</li> </ul>	<ul style="list-style-type: none"> <li>Ask simple questions and recognising that they can be answered in different ways observing closely.</li> <li>Use simple equipment observing closely, using simple equipment</li> <li>Gather and record data to help in answering questions.</li> <li>Use their observations and ideas to suggest answers to questions</li> <li>Perform simple tests</li> </ul>
<b>Working Scientifically – to be cover during each half term through the science focus.</b>					
<p>Ask simple questions and recognising that they can be answered in different ways observing closely.                      Use simple equipment observing closely, using simple equipment                      Gather and record data to help in answering questions.                      Use their observations and ideas to suggest answers to questions                      Perform simple tests</p>			<p>Spring 2 + Summer 2 – Topic will be specifically ‘working scientifically’ to cover any areas of working scientifically that the children have gaps in and to address any misconceptions/gaps from previous topics.                      Opportunities to discuss famous scientist and inventors could also be included.</p>		