



**Water Primary School**  
**Long Term Plan – Science – 2024/25**

<b>Biology</b> <b>Chemistry</b> <b>Physics</b>	Autumn		Spring		Summer	
<u>EYFS</u>	<p><b>The Human Body</b></p> <p><b>ELG</b> Explore the natural world around them, making observations and drawing pictures of animals and humans.</p> <p><b>Wonder</b> – Sensory trail</p> <p>Provision – Senses area, animals, basic body parts. Looking at bugs – closely observing. Mirrors – drawing selves/each other.</p> <p><b>PLAN A FARM TRIP</b></p>	<p><b>Animals</b></p> <p><b>ELG</b> Explore the natural world around them, making observations and drawing pictures of animals and humans.</p> <p><b>Wonder</b> - Ducklings/chicken</p> <p>Provision – small world, role play, habitats</p>	<p><b>Scientific Enquiry</b></p> <p><b>ELG</b> Making observations.</p> <p>Know some similarities and differences between the natural world around them and contrasting environments.</p> <p>Understand some important processes and changes in the natural world around them – climate change.</p>	<p><b>Plants</b></p> <p><b>ELG</b> Explore the natural world around them, making observations and drawing pictures of plants.</p> <p><b>Wonder</b> – data collection – plant hunt – tally chart. Bring them back to school etc. Grow beans, plant seeds, watch life cycles of flowers.</p> <p>Provision – creative area – plant related – drawing/painting plants – magnifying glasses.</p>	<p><b>Changes in State</b></p> <p><b>ELG</b> Understand some important processes and changes in the natural world around them; states of matter.</p> <p><b>Wonder</b> – life cycles – order butterflies, mini-beast hunt.</p> <p>Provision – messy play, sand and water, conkers – comparing – smooth and spiky.</p>	<p><b>Changes in State</b></p> <p><b>ELG</b> Understand some important processes and changes in the natural world around them; states of matter.</p> <p><b>Wonder</b> – ice investigation – melting, freezing, vapour.</p> <p>Provision – messy play, sand and water, conkers – comparing – smooth and spiky.</p>
<p><b>To discuss David Attenborough throughout the year (our class Scientist) linked to caring for the world around them (plants and animals).</b></p> <p><b>EYFS - Seasonal Change/plants/scientific enquiry</b></p> <p><b>To be covered for the whole year – floor book to evidence – regular seasonal walks/forest school</b></p> <p><b>ELG - Explore the natural world around them, making observations and drawing pictures of plants.</b></p>						
<u>Year 1</u>	<p><b>Animals including – Ourselves</b></p>	<p><b>Animals including – Our Pets</b></p>	<p><b>Scientist Enquiry – to work on Working Scientifically Skills</b></p> <p>NC - 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</p>	<p><b>Plants</b></p>	<p><b>Everyday Materials</b></p>	<p><b>Everyday Materials</b></p>

			questions gathering and recording data to help in answering questions.			
Year 1 - Seasonal Change/plants/scientific enquiry						
To be covered for the whole year – floor book to evidence – regular seasonal walks/forest school/field trips						
<u>Year 2</u>	Scientist Focus – Super Scientists – Plan Bee	Animals including Humans	Living Things and their Habitats	Plants	Uses of Everyday Materials	Uses of Everyday Materials
<u>Year 3</u>	Scientist Focus – The Unforgettable Scientists of America? – Plan B	Animals including humans	Rocks	Plants	Light	Forces and Magnets
<u>Year 4</u>	Scientist Focus – What do Scientists Do? – Plan Bee	Animals including humans	Living Things and their Habitats	Electricity	States of Matter	Sound
<u>Year 5</u>	Scientist Focus - Great British Scientists – Plan Bee	Animals including humans	Living Things and their Habitats	Earth and Space	Properties and Changes in Materials	Forces
<u>Year 6</u>	Scientist Focus – The Science of Sport – Hamilton	Animals including humans	Living Things and their Habitats	Electricity	Light	Evolution and Inheritance