



## Iver Village Junior School

### Primary Curriculum – Long Term Plan

<b>KS2 Science Long Term Plan</b>		<b>2021 - 2022</b>	
<b>Key Concepts</b>	<p>To work scientifically</p> <p><b>Biology</b></p> <p>To understand plants</p> <p>To understand humans and animals</p> <p>To understand evolution and inheritance</p> <p><b>Chemistry</b></p> <p>To investigate materials</p> <p><b>Physics</b></p> <p>To understand movement, forces and magnets</p> <p>To understand the Earth's movement in space</p> <p>To investigate light and seeing</p> <p>To investigate sound and hearing</p> <p>To understand electrical circuits</p>		
<b>Objectives to cover (Directly from NC)</b>	<p>A high quality science education provides the foundations for understanding the world through the specific disciplines of biology, chemistry and physics. Through building up a body of key foundational knowledge and concepts, pupils should be encouraged to recognise the power of rational explanation and develop a sense of excitement and curiosity about natural phenomena. Pupils are encouraged to understand how science can be used to explain what is occurring, predict how things will behave and analyse cause.</p> <p>At Iver Village Junior School pupils are encouraged to explore our fantastic grounds to learn about the natural diversity of our environment.</p> <p><b>Aims</b></p> <p>The national curriculum for science aims to ensure that all pupils:</p> <ul style="list-style-type: none"> <li>● develop scientific knowledge and conceptual understanding through the specific disciplines of biology, chemistry and physics</li> <li>● develop understanding of the nature, processes and methods of science through different types of science enquiries that help them to answer scientific questions about the world around them</li> <li>● are equipped with the scientific knowledge required to understand the uses and implications of science, today and for the future</li> </ul>		
	<b>Autumn Term</b>	<b>Spring Term</b>	<b>Summer Term</b>
<b>Year 3</b>	Plants Forces and magnets	Light Animals including humans (Skeletons + nutrients)	Rocks and Fossils
<b>Year 4</b>	States of Matter (liquid / solid / gas) Sounds	Electricity Animals including humans (digestion and teeth)	Living things and their habitats (classifying and food chain/webs)
<b>Year 5</b>	Materials	Forces Earth and Space	Living things and their habitats (life cycles and reproduction) Animals including humans (growth and development)
<b>Year 6</b>	Evolution and Inheritance Animals including humans (circulatory system)	Light Electricity	Living things (including microorganisms)