




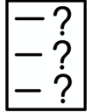









# Year 2 – Spring 1 – Science – Pupil Knowledge Organiser



What do I already know?		What am I learning now?	
<ul style="list-style-type: none"> <li>Plants start from seeds.</li> <li>They grow into seedlings which develop roots, stems and leaves.</li> <li>Different parts of plants have specific jobs, e.g. the stem, leaves, flowers and roots.</li> <li>The leaves on deciduous trees change as the seasons change.</li> <li>The leaves on evergreen trees are green the whole year round.</li> </ul>		<ol style="list-style-type: none"> <li>What do seeds need to grow?</li> <li>What do plants need to grow and stay healthy?</li> <li>How do we ask relevant scientific questions? (WS)</li> <li>How can we test seed growth in different conditions?</li> <li>How do we draw a results table? (WS)</li> <li>How well are the seeds growing?</li> </ol>	
Key Knowledge – Plants Working Scientifically Focus		Key Skills: Working Scientifically	Key Vocabulary
<p><b>LIGHT</b></p>  <p>All plants need sunlight to grow. Some need a lot, others only need a little. The leaves on a plant use sunlight to make their own food.</p> <p><b>WATER</b></p>  <p>All plants need regular water. Too much water can damage the plant.</p>	<p><b>SUITABLE TEMPERATURE</b></p>  <p>Some plants need warm temperatures to grow. Some plants need cool temperatures to grow.</p> <p><b>NUTRIENTS</b></p>  <p>Plants also use carbon dioxide from the air to make their own food. Roots absorb nutrients from the soil.</p>	 Ask Questions  Enquiry  Observe  Record/ Present  Conclusions  Evaluation  Communicate	<p>seeds Tiny things that can grow into plants.</p> <p>germination The process of a seed starting to grow.</p> <p>soil The top layer of the Earth, that help things grow.</p> <p>light Something that helps us see and makes plants grow.</p> <p>temperature How hot or cold something is.</p> <p>shade A darker area where there isn't much light.</p> <p>growth When plants get bigger/taller.</p> <p>conditions The things around a plant, like the weather, soil, and sunlight, that help it grow.</p> <p>measurement Finding out how big, small or long, something is using tools like a ruler.</p> <p>results table A chart where we write down what we find out from our measurements to help us see the answers more clearly.</p>