


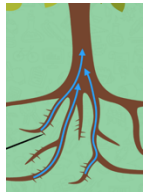
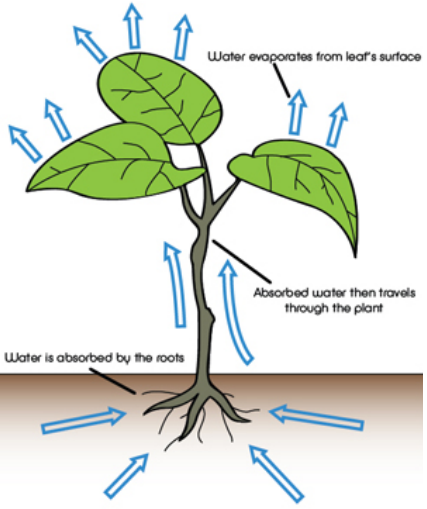




# Year 3 – Spring 1 – Science – Pupil Knowledge Organiser



What do I already know?		What am I learning now?		
<ul style="list-style-type: none"> <li>There are four key parts of a plant: flowers, leaves, the stem, and roots.</li> <li>Roots absorb nutrients from the soil.</li> <li>Plants need light, air, water and warmth to grow.</li> <li>The leaves on a plant use sunlight and carbon dioxide to make their own food.</li> <li>Different plants need different temperatures to grow.</li> </ul>		<ol style="list-style-type: none"> <li>What are the different parts of a flowering plant?</li> <li>What do plants need to grow?</li> <li>How does water move within a plant?</li> <li>How do we ask relevant scientific questions? (WS)</li> <li>What is a theory and how might it change over time? (WS)</li> <li>How do we identify and create a hypothesis and prediction? (WS)</li> </ol>		
Key Knowledge – Plants Working Scientifically Focus		Key Skills: Working Scientifically	Key Vocabulary	
<p>The four key parts of a flowering plant are: flowers, leaves, stem and roots.</p> <p>Each part of the plant has an important function, including reproduction, support and nutrition.</p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">  <p>Flowers: help the plant to reproduce.</p> </div> <div style="text-align: center;">  <p>Leaves: where plants make their food.</p> </div> </div> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">  <p>Stem: supports the plant, holding it up towards the light.</p> </div> <div style="text-align: center;">  <p>Roots: help it stay in the ground and soak up water and nutrients from the soil.</p> </div> </div> <div style="text-align: center; margin-top: 20px;">  <p>Water is absorbed by the roots. Absorbed water then travels through the plant. Water evaporates from leaf's surface.</p> <p>To stay healthy, plants need nutrients and minerals.</p> <p>Water is taken in by the roots and travels up to the stem.</p> <p>The stem carries water and nutrients through the plant.</p> </div>		<p>Ask Questions</p> <p>Enquiry</p> <p>Observe</p> <p>Record/ Present</p> <p>Conclusions</p> <p>Evaluation</p> <p>Communicate</p>	<p>function</p> <p>reproduction</p> <p>support</p> <p>nutrition</p> <p>photosynthesis</p> <p>nutrient/ mineral</p> <p>absorb</p> <p>fact</p> <p>theory</p> <p>evidence</p> <p>hypothesis</p> <p>prediction</p>	<p>The specific job or role something has.</p> <p>The process of making new animals or plants.</p> <p>To help a plant stand up and stay in the ground.</p> <p>The act of getting thing the plant needs from its food.</p> <p>The process of making food in the leaves of a plant.</p> <p>A substance that plants need to keep healthy.</p> <p>To be taken in or soaked up by something.</p> <p>An observation about the way something is in the world.</p> <p>A sensible explanation of why things happen as they do.</p> <p>Reasons to believe something.</p> <p>A possible answer to a scientific question.</p> <p>A statement of what you think will happen.</p>