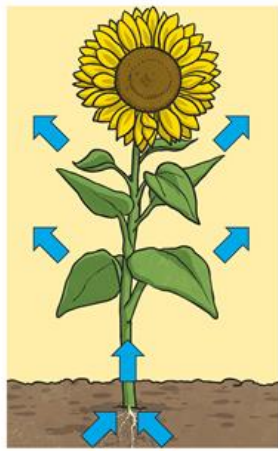
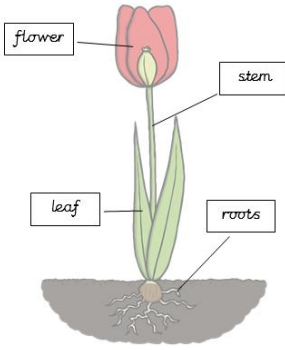

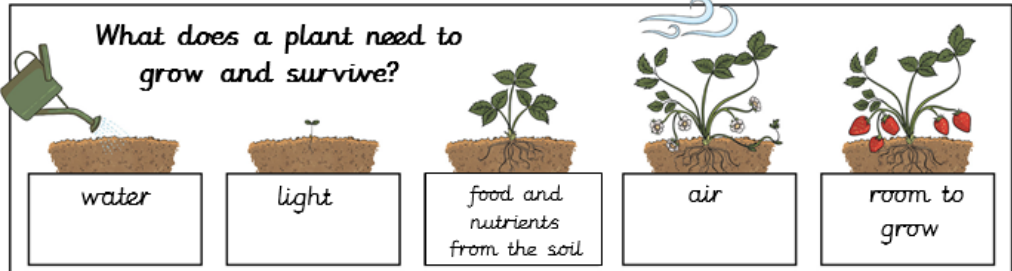
















# Y3 Plants

Subject Specific Vocabulary		Key Knowledge	What do I already know?			
<p><b>evaporation</b> When a liquid turns into a gas.</p> <p><b>flower</b> These make seeds to grow into new plants. Their <b>petals</b> attract <b>pollinators</b> to the plant.</p> <p><b>leaves</b> These make food for the plant using sunlight and carbon dioxide from the air.</p> <p><b>nutrients</b> These substances are needed by a living things to grow and survive. Plants get <b>nutrients</b> from the soil and also make their own food in their <b>leaves</b>.</p> <p><b>stem/trunk</b> This holds the plant up and carries water and <b>nutrients</b> from the soil to the <b>leaves</b>. A <b>trunk</b> is the <b>stem</b> of a tree.</p> <p><b>roots</b> These anchor the plant into the ground and absorb water and <b>nutrients</b> from the soil.</p>	<p><b>Water transportation</b></p> <p>How Water Moves through a Plant</p> <ol style="list-style-type: none"> <li>1. The <b>roots</b> absorb water from the soil.</li> <li>2. The <b>stem</b> transports water to the <b>leaves</b>.</li> <li>3. Water <b>evaporates</b> from the <b>leaves</b>.</li> <li>4. This <b>evaporation</b> causes more water to be sucked up the <b>stem</b>.</li> </ol> <p>The water is sucked up the <b>stem</b> like water being sucked up through a straw.</p> 	<p>I know the basic structure of a plant and tree (Y1)</p> 				
	<p><b>Requirements for life and growth</b></p> <p>What does a plant need to grow and survive?</p>  <p>water      light      food and nutrients from the soil      air      room to grow</p> <p>Different plants vary in how much of these things they need. For example, cacti can survive in areas with little water, whereas water lilies need to live in water.</p>	<p>Every part of the plant has a function</p> <table border="1"> <tr> <td> <p><b>Flower</b></p>  <p>The flower makes seeds to grow new plants.</p> </td> <td> <p><b>Stem</b></p>  <p>The stem holds the plant up and carries water and nutrients from the soil to the leaves.</p> </td> </tr> <tr> <td> <p><b>Leaves</b></p>  <p>The leaves make food for the plant using sunlight and carbon dioxide from the air.</p> </td> <td> <p><b>Roots</b></p>  <p>The roots anchor the plant into the ground and absorb water and nutrients from the soil.</p> </td> </tr> </table>	<p><b>Flower</b></p>  <p>The flower makes seeds to grow new plants.</p>	<p><b>Stem</b></p>  <p>The stem holds the plant up and carries water and nutrients from the soil to the leaves.</p>	<p><b>Leaves</b></p>  <p>The leaves make food for the plant using sunlight and carbon dioxide from the air.</p>	<p><b>Roots</b></p>  <p>The roots anchor the plant into the ground and absorb water and nutrients from the soil.</p>
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<p><b>Leaves</b></p>  <p>The leaves make food for the plant using sunlight and carbon dioxide from the air.</p>	<p><b>Roots</b></p>  <p>The roots anchor the plant into the ground and absorb water and nutrients from the soil.</p>					

# Y3 Plants

Subject Specific Vocabulary		Key Knowledge	What do I already know?
<b>carpel</b>	The female parts of the flower are made up of the <b>stigma</b> , <b>style</b> and <b>ovary</b> .	<p><b>Parts of a flower</b></p> <p><b>Every part of the flower has a function</b></p> <p><b>style</b> - holds up the stigma  <b>stigma</b> - collects the pollen when a <b>pollinator</b> brushes by it  <b>ovary</b> - contains the <b>ovules</b>, which are the part of the flower that gets <b>fertilised</b> and eventually becomes the new seed  <b>filament</b> - holds up the anther  <b>anther</b> - makes the pollen.</p>	<p>I know how seeds and bulbs grow into plants.</p> <p>I know how plants need water, light and a suitable temperature to grow and stay healthy.</p> <p>I have also begun to know the requirements of plants for germination, growth and survival, as well as the processes of reproduction and growth in plants. (Y2)</p>
<b>fertilisation</b>	When the male and female parts of the flower have mixed in order to make seeds for new plants.		
<b>germination</b>	When a <b>seed</b> starts to grow.		
<b>petal</b>	The brightly coloured part of the flower that attracts insects to <b>pollinate</b> the plant.		
<b>pollination</b>	When pollen (a fine powdery substance produced by a flowering plant) is moved from the male <b>anther</b> of a flower to the female <b>stigma</b> .		
<b>sepal</b>	Leaf-like structures that protect the <b>flower</b> and <b>petals</b> before they open out.		
<b>stamen</b>	The male parts of the flower are made up of the <b>anther</b> and the <b>filament</b> .		
<b>seed dispersal</b>	A method of moving the fully formed seeds away from the parent plant.		