
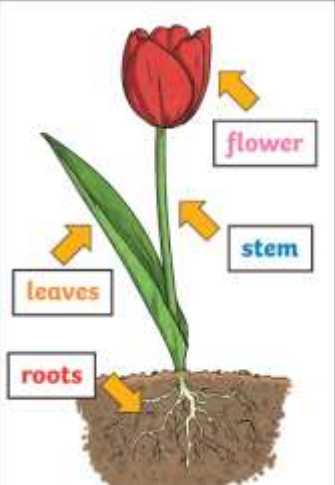
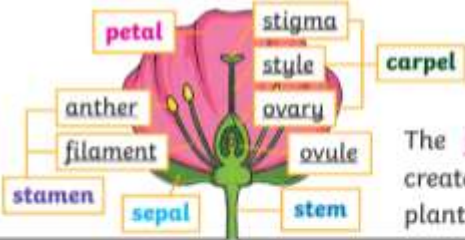








## Year 3 - Summer 1 - Plants and their parts - Which part of a plant is most important to its survival?

Key Vocabulary		Prior knowledge	Sticky Knowledge
<b>Roots</b> 	These anchor the plant into the ground and absorb water and nutrients from the soil.	<b>In Year 2 we:</b> <ul style="list-style-type: none"> <li>- Observed and described how seeds and bulbs grow into mature plants</li> <li>- Found out and described how plants need water, light and a suitable temperature to grow and stay healthy</li> </ul> <div style="text-align: center;">  </div> <p><b>Knowledge and Assessment:</b></p> <ul style="list-style-type: none"> <li>• Identify and describe the functions of different parts of flowering plants: roots, stem/trunk, leaves and flowers</li> <li>• Investigate the way in which water is transported within plants</li> <li>• Explore the part that flowers play in the life cycle of flowering plants, including pollination, seed formation and seed dispersal.</li> </ul>	<div style="text-align: center;">  </div> <p>The <b>flower's</b> job is to create seeds so that new plants can be grown.</p> <hr/> <p style="text-align: center;"><b>Life Cycle of a Flowering Plant</b></p> <div style="display: flex; justify-content: space-around;"> <div style="border: 1px solid black; padding: 5px; width: 20%;"> <p style="text-align: center; color: red;"><b>Seed Dispersal</b></p> <p>The fully formed seeds are moved away from the parent plant.</p> </div> <div style="border: 1px solid black; padding: 5px; width: 20%;"> <p style="text-align: center;">Germination</p> <p>The seed starts to grow.</p> </div> <div style="border: 1px solid black; padding: 5px; width: 20%;"> <p style="text-align: center; color: green;">Growing and Flowering</p> <p>The plant grows bigger and forms a <b>flower</b>.</p> </div> </div> <div style="display: flex; justify-content: space-around; margin-top: 10px;"> <div style="border: 1px solid black; padding: 5px; width: 45%;"> <p style="text-align: center; color: green;">Fertilisation and Seed Formation</p> <p>The pollen joins with an <b>ovule</b> and a seed starts to form.</p> </div> <div style="border: 1px solid black; padding: 5px; width: 45%;"> <p style="text-align: center; color: purple;">Pollination</p> <p>Pollen from the <b>anther</b> lands on the <b>stigma</b> and travels down the <b>style</b>.</p> </div> </div>
<b>Stem</b> 	This holds the plant up and carries water and nutrients from the soil to the leaves. A trunk is the stem of a tree.		
<b>Leaves</b> 	These make food for the plant using sunlight and carbon dioxide from the air.		
<b>Flowers</b> 	These make seeds to grow into new plants. Their petals attract pollinators to the plant.		
<b>Pollination</b> 	When pollen (a fine powdery substance produced by a flowering plant) is moved from the male anther of a flower to the female stigma.		
<b>Seed dispersal</b> 	A method of moving the seeds away from the parent plant so that the seeds have the best chance of survival.		
<b>Germination</b> 	When a seed starts to grow.		



- How Water Moves through a Plant**
1. The **roots** absorb water from the soil.
  2. The **stem** transports water to the **leaves**.
  3. Water **evaporates** from the **leaves**.
  4. This **evaporation** causes more water to be sucked up the **stem**.