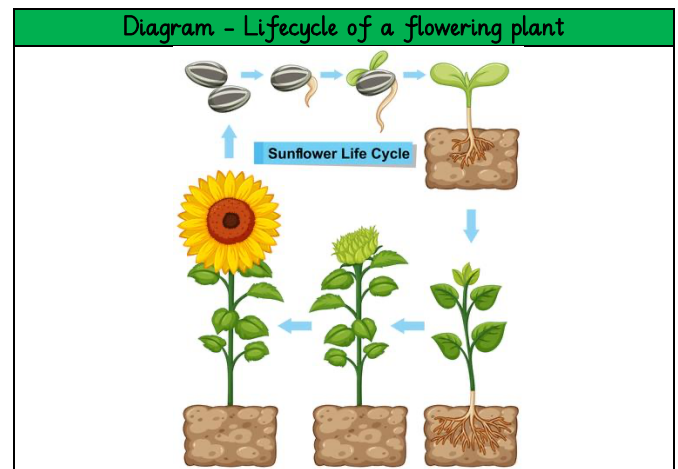
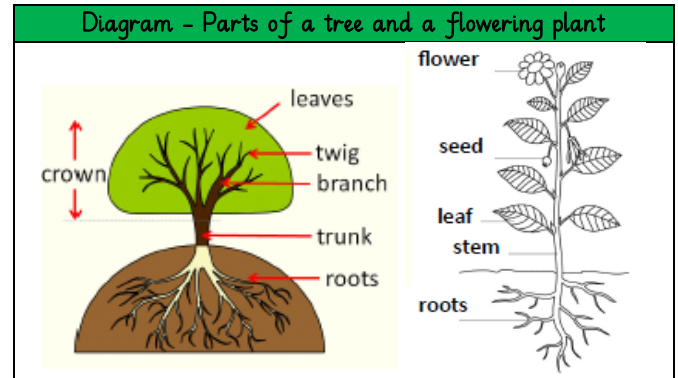


Key Knowledge	
What conditions are needed for a seed to germinate?	<ul style="list-style-type: none"> <li>All seeds need water, oxygen and the correct temperature to germinate.</li> <li>Many seeds don't need light to germinate.</li> </ul>
What do plants need to grow and stay healthy?	<ul style="list-style-type: none"> <li>Plants generally need               <ul style="list-style-type: none"> <li>Light</li> <li>Air</li> <li>Water</li> <li>Minerals</li> <li>Space</li> </ul> </li> </ul> <p>In order to grow and stay healthy.</p>
How do we set up a fair test?	<ul style="list-style-type: none"> <li>To make a test fair, we must only change one thing and keep everything else the same.</li> <li>For example, if we are testing the amount of water a plant needs, we have to use the same plant each time, the same soil, the same temperature.</li> </ul>
How plants change through their life?	<p>The <b>Lifecycle</b> of a <b>Plant</b>.</p> <ul style="list-style-type: none"> <li>The <b>plant</b> starts life as a <b>seed</b>, which germinates and grows into a <b>plant</b>.</li> <li>The mature <b>plant</b> produces flowers, which are fertilised and produce seeds in a fruit or seedpod.</li> <li>The <b>plant</b> eventually dies, leaving seeds which germinate to produce new <b>plants</b>.</li> </ul>

Investigate	
<ul style="list-style-type: none"> <li>Go on a <b>plant/tree</b> hunt. What do you notice about what they look like? What are their features? How do they change through the year?</li> <li><b>Plant seeds</b> and watch them germinate. Record your observations in a diary. Compare the germination of those <b>seeds</b> with similar seeds where one of the conditions is different (no water, no light, no soil).</li> <li>Compare <b>plants</b> of the same species growing in different conditions (no water, no light, no soil, cold, smaller pot)</li> <li>Dissect a variety of <b>fruits</b> and locate where their <b>seeds</b> are.</li> </ul>	



Key Vocabulary	
Branches	Parts that grow out from the tree trunk and have leaves, flowers or fruit growing on them.
Bulb	An underground stem shaped like an onion that grows into a flower or plant.
Conditions	The amount of heat, water, light etc.
Flower	The part of a plant which is often brightly coloured and grows at the end of a stem.
Flowering	Trees or plants which produce flowers.
Fruit	Contains the seeds of the plant. Often covered by a substance that you can eat.
Germination	The stage of plant growth when the <b>seed</b> begins to sprout.
Leaf/ leaves	The parts of a tree or plant that are flat, thin and usually green.
Lifecycle	A series of changes that happens to all living things.
Petals	Thin coloured or white parts which form part of the flower.
Roots	The parts of a plant that grow under the ground
Seed	The small, hard part from which a new plant grows.
Stem	The thin, upright part of a plant on which the flowers and leaves grow.
Trunk	The large main stem of a tree from which the branches grow.