

**Year 3  
Plants**

Week	NC objectives	REMEMBER (prior knowledge)	KNOW (new knowledge)
1 2 3 4 5 6	<p><b>Plants</b></p> <p>Pupils should be taught to:</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>explore the requirements of plants for life and growth (air, light, water, nutrients from soil, and room to grow) and how they vary from plant to plant</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>	<p>Observe and describe how seeds and bulbs grow into mature plants. (Y2 - Plants)</p> <p>Find out and describe how plants need water, light and a suitable temperature to grow and stay healthy. (Y2 - Plants)</p>	<p>To know:</p> <p>Many plants, but not all, have roots, stems/trunks, leaves and flowers/blossom.</p> <p>The roots absorb water and nutrients from the soil and anchor the plant in place.</p> <p>The stem transports water and nutrients/minerals around the plant and holds the leaves and flowers up in the air to enhance photosynthesis, pollination and seed dispersal.</p> <p>The leaves absorb sunlight and carbon dioxide (with water from the roots) to</p>

			<p>produce the plant's food (via photosynthesis).</p> <p>Some plants produce flowers which enable the plant to reproduce sexually. Pollen, which is produced by the male part of the flower, is transferred to the female part of other flowers (pollination)</p>
			<p>To know the requirements of plants for life and growth (air, light, water, nutrients from soil, and room to grow) by investigating what plants need to grow well.</p>
			<p>To know that seeds/bulbs require the right conditions to germinate and grow o Different plants require different conditions for germination and growth.</p> <p>Seeds contain enough food for the plant's initial growth</p>

			To know the way in which water is transported within plants e.g. by observing the transport of food colouring through a flower stem.
			To know that flowering plants have specific adaptations which help it to carry out pollination, fertilisation and seed production
			This forms seeds, sometimes contained in berries or fruits which are then dispersed in different ways.
			Seed dispersal improves a plants chances of successful reproduction..
Vocabulary	<u>Prior knowledge vocabulary</u> growth, germinate, light, temperature reproduce, lifecycle ,deciduous, evergreen, tree, leaf, flower (blossom), petals, fruit, bulb, seed, roots, stem, trunk, branches		<u>New vocabulary</u> <b>air, water, transportation, nutrients, soil, reproduction, seed formation, seed dispersal, pollination</b>