
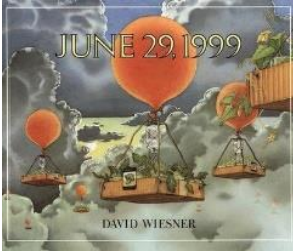


Year 3 – Plants

Key Concepts	Learning possibilities	Scientific Enquiry	Prior Learning
<p>Identify/describe the functions of different parts of flowering plants (inc. roots, stem/trunk, leaves and flower).</p> <p>Identify requirements of plants for life and growth and how they vary from plant to plant (air, light, water, nutrients from soil and room to grow).</p> <p>Investigate the way in which water is transported within plants</p> <p>Explore the part that flowers play in the life cycle of flowering plants (inc. pollination, seed formation and seed dispersal).</p>	<p>Observe what happens to plants over time when the leaves or roots are removed.</p> <ul style="list-style-type: none"> • Observe the effect of putting cut white carnations or celery in coloured water. • Investigate what happens to plants when they are put in different conditions e.g. in darkness, in the cold, deprived of air, different types of soil, different fertilisers, varying amount of space. • Spot flowers, seeds, berries and fruits outside throughout the year. • Observe flowers carefully to identify the pollen. • Observe flowers being visited by pollinators e.g. bees and butterflies in the summer. • Observe seeds being blown from the trees e.g. sycamore seeds. • Research different types of seed dispersal. • Classify seeds in a range of ways, including by how they are dispersed. • Create a new species of flowering plant. 		<p>Observe and describe how seeds and bulbs grow into mature plants. (Y2 - Plants)</p> <ul style="list-style-type: none"> • Find out and describe how plants need water, light and a suitable temperature to grow and stay healthy. (Y2 - Plants)
Cultural Capital			
<p>Dr. William F. Gericke 1882-1970</p> <p>William was a plant nutritionist and pioneer in hydroponic agriculture; he is credited with coining the term "hydroponics."</p> <div style="display: flex; justify-content: space-around;">   </div>			
Key Vocabulary			
<p>Life cycle</p> <p>Pollination</p> <p>Pollinate</p> <p>Disperse</p> <p>Dispersal</p>	<p>Petal</p> <p>Insect</p> <p>Reproduce</p> <p>Reproduction</p> <p>Habitat</p>	<p>Water</p> <p>Soil</p> <p>Minerals</p> <p>Variation</p> <p>Stigma</p>	<p>Ovary</p> <p>Stamen</p> <p>Stem</p> <p>Travel</p> <p>Flowering</p>

Crockerne Church of England Primary



Pollen

Light

Sepal

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