

Subject: Science

Theme: Plants (Y3)

Knowledge	Skills	Vocabulary (Top 20)	Common misconceptions
<p>Identify and describe the functions of different parts of flowering plants: roots, stem/trunk, leaves and flowers.</p> <p>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.</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, including pollination, seed formation and seed dispersal.</p>	<p>Observe:</p> <ul style="list-style-type: none"> • Celery (with roots and leaves) in coloured water. • White carnations (freshly cut) in coloured water. • How flowers in a vase change over time. • How a plant grows over a period of time. <p>Look for patterns in the structure of fruits that relate to how the seeds are dispersed.</p> <p>Investigate the following questions:</p> <ul style="list-style-type: none"> • How does the length of the carnation stem affect how long it takes for the food colouring to dye the petals? • Which conditions help seeds germinate faster? 	<p>air flowers growth leaves light roots soil stem trunk water nutrients nutrition fertilisation fertiliser function pollination seed dispersal seed formation structure transported</p>	<p>Some children may think:</p> <ul style="list-style-type: none"> • Plants eat food. • Food comes from the soil via the roots. • Flowers are merely decorative rather than a vital part of the life cycle in reproduction. • Plants only need sunlight to keep them warm. • Roots suck in water which is then sucked up the stem.



Love



Friendship



Compassion



Community



Trust



Forgiveness

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Do all the good you can.... John Wesley



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