



Subject: Science

Year group: 3 Term: Summer 1

Title: Plants

What should I already know?

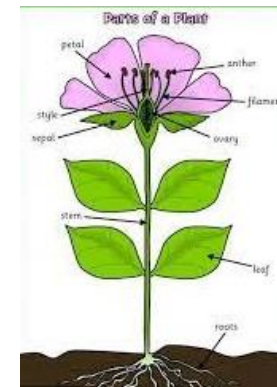
- Name a variety of common garden and wild plants and know their basic structure
- To be able to describe how seeds grow into plants from observation.
- That plants need water, light and a suitable temperature to survive.

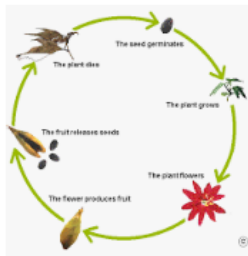
Facts I will learn

- Plant features:
Roots – extract nutrients and water from the soil.
Stem – Carries the nutrients to different parts of the plant
Leaves – Take in sunlight for energy (may introduce word 'photosynthesis')
- Plants need light and water to grow effectively.
- Some plants do not require as much water/light as they have adapted (e.g. cactus in the desert)
- Pollination is where the plant disperses seeds in order for more of the same type of plant to grow. This may be done through releasing seeds, or insects/animals moving seeds around.

Key questions

- What are the functions of each plant feature?
- What are the best conditions for plants to grow?
- Why do some plants require different conditions?
- How is water transported through plants?
- What is pollination and how do plants reproduce?



Key Skills..... • Ask relevant questions and using different scientific enquiries to answer them. • Make systematic and careful observations, including taking accurate measurements. • Record findings using simple scientific language, drawings, labelled diagrams, keys, bar charts and tables. • Identify differences, similarities or changes related to simple scientific ideas and processes. • Use straightforward scientific evidence to answer questions or to support their findings.	Experiences that school will provide: • Observe the life cycle of plants. 	<table><tr><th>Key Vocabulary</th><th>Definition</th></tr><tr><td>Photosynthesis</td><td>The process by which green plants and some other organisms use sunlight to synthesize nutrients from carbon dioxide and water.</td></tr><tr><td>Pollination</td><td>The transfer of pollen to a stigma, ovule, flower, or plant to allow fertilization</td></tr><tr><td>Seed formation</td><td>A seed is formed when fertilised ovule divides</td></tr><tr><td>Seed dispersal</td><td>The mechanism by which plant seeds are transported to new sites for germination and the establishment of new individuals.</td></tr><tr><td>Wind dispersal</td><td>When the seeds are carried away by the wind.</td></tr><tr><td>Animal dispersal</td><td>When seeds are attached to the animals fur.</td></tr><tr><td>Water dispersal</td><td>When the seeds are carried away by water.</td></tr></table>	Key Vocabulary	Definition	Photosynthesis	The process by which green plants and some other organisms use sunlight to synthesize nutrients from carbon dioxide and water.	Pollination	The transfer of pollen to a stigma, ovule, flower, or plant to allow fertilization	Seed formation	A seed is formed when fertilised ovule divides	Seed dispersal	The mechanism by which plant seeds are transported to new sites for germination and the establishment of new individuals.	Wind dispersal	When the seeds are carried away by the wind.	Animal dispersal	When seeds are attached to the animals fur.	Water dispersal	When the seeds are carried away by water.
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Web links https://www.bbc.co.uk/bitesize/subjects/z2pfb9q https://www.stem.org.uk/resources/community/collection/12535/year-3-plants?gclid=EAlalQobChMIjLPft5Dm9wIVlpftCh0AFwIFEAAYASAAEgl-svD_BwE	Experiences that could be provided at home... • Grow a plant at home – observe the life cycle as it grows • Grow your own fruit and vegetables. Then eat what you have grown.																	