

Overview – Year 3 Autumn 1 Plants

Lessons	Objectives	Scientific enquiry	Equipment
1. What are the parts of plants?	<ul style="list-style-type: none"> identify the main parts of plants describe the function diagnose plant conditions 	Plant dissection Follow a simple practical procedure, observation, identifying and classifying	paper plate, scissors, plants with flowers, magnifying glass, Sellotape
2. What do plants need to grow?	<ul style="list-style-type: none"> state what plants need to grow suggest how fertiliser affects growth interpret secondary data (show SS) 	Plant fertiliser investigation secondary data, pattern-seeking	Secondary data source ppt slide
3. How does water move through a plant?	<ul style="list-style-type: none"> state how water enters a plant describe movement of water through a plant explain how to carry out a fair test 	Water moving through celery Observation over time.	3 cups or beakers, 300ml water, 3 freshly cut celery stems, food colouring (3 different colours), scissors
4. Why do plants need flowers?	<ul style="list-style-type: none"> identify main parts of a flower describe male and female parts of a flower link structure of a flower to its function 	Flower dissection, labelling and collage Observation	Flower, scissors, flower observation sheet
5. How do plants make new plants?	<ul style="list-style-type: none"> Follow the journey of pollen in a plant describe what happens when eggs and pollen meet explain how wind and animals are involved in plant processes 	Model seed Comparative test or fair test	paperclips, post-it notes, metre ruler, stopwatch
6. What are the stages of a plant life cycle?	<ul style="list-style-type: none"> sequence stages in plant life cycle describe the process of germination investigate conditions for seed growth 	Germination investigation Comparative test or fair test	*Boiling tubes, cotton wool, seeds, water, stickers, light area, dark area, warm area.

- Optional – soak seeds overnight in water and then drain them to ready them for the experiment

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