

PLANTS – YEAR 2: SCIENTIFIC ENQUIRY OVERVIEW

Lesson Title	Actual Objectives	Scientific Enquiry Focus	Equipment (for 6 groups unless stated)
What Are Seeds?	<ul style="list-style-type: none"> Identify different types of seeds. Describe what seeds look like. Sort seeds by different features. 	Identifying and classifying – children sort seeds into groups based on their size, shape, colour and texture using magnifying glasses and sorting trays	6 sets of mixed seeds, 6 magnifying glasses, 6 sorting trays, 6 seed sort charts, 6 pencils
How Do Seeds Grow?	<ul style="list-style-type: none"> Describe how seeds change as they grow. Know that seeds can grow without light. Understand that seeds have food inside them. 	Performing simple tests; observing closely – children place seeds in different conditions (with/without water or light) and observe changes as they grow	6 clear pots, 6 paper towels, 6 sets of bean seeds, 6 water sprays, 6 observation charts, 6 tray labels
What Are Bulbs?	<ul style="list-style-type: none"> Look at different types of bulbs. Describe what bulbs look like and feel like. Compare bulbs to seeds. 	Identifying and classifying – children explore bulbs and seeds and group them based on features such as size, texture and layers	6 daffodil/tulip bulbs, 6 seed samples, 6 magnifying glasses, 6 sorting mats
How Do Bulbs Grow?	<ul style="list-style-type: none"> Describe how bulbs grow into plants. Plant a bulb the correct way. Compare bulbs and seeds. 	Observing closely using simple equipment – children plant bulbs in clear pots and record changes over time using labelled diagrams	6 clear pots, 6 bulbs, 6 scoops of compost, 6 watering cans, 6 plant labels, 6 recording sheets
What Do Seeds and Bulbs Need to Grow?	<ul style="list-style-type: none"> Find out what plants need to stay healthy. Look at plants in different places. Know that seeds have food inside them. 	Performing simple tests; gathering and recording data – children grow plants in different conditions and record their observations to find out what helps them grow well	6 pots, 6 seed sets, 3 dark boxes, 3 sunny windowsills, 6 watering bottles, 6 growth logs
Where Do New Plants Come From?	<ul style="list-style-type: none"> Collect seeds from nature. Compare different types of seeds. Understand that plants make seeds. 	Gathering and recording data; using observations and ideas to suggest answers – children collect seeds during a walk, tally their results, and describe where new plants come from	6 life cycle card sets, 6 plant diagrams, 6 scissors, 6 glue sticks, 6 timeline strips