

Science Planning Class 2 Summer 1

Lesson 1 Parts of Plants

- observe closely using simple equipment by recording observations of a variety of plants in the local environment (Yr2)
- identify and describe the functions of different parts of flowering plants: roots, stem/trunk, leaves and flowers by labelling the parts of a plant (Yr3/4)

Lesson 2 What Do Plants Need to Grow Well?

- observe and describe how seeds and bulbs grow into mature plants by planting seeds and bulbs (Yr2)
- perform simple tests by setting up a comparative test to understand what plants need to germinate and grow (Yr2)
- observe and describe how seeds and bulbs grow into mature plants by comparing the growth of seeds and bulbs (Yr2)
- observe closely using simple equipment by measuring and recording the growth of seeds and bulbs (Yr2)
- explore the requirements of plants for life and growth (air, light, water, nutrients from soil, and room to grow) by investigating what plants need to grow well (Yr3/4)

Lesson 3 What Have You Found Out?

- find out and describe how plants need water, light and a suitable temperature to grow and stay healthy by comparing the growth of seedlings under different conditions (Yr2)
- gather and record data to help in answering questions by measuring the results of a comparative test (Yr2)
- find out and describe how plants need water, light and a suitable temperature to grow and stay healthy by explaining what conditions plants need to grow well (Yr2)
- use observations/ideas to suggest answers to questions by using results of tests to suggest good conditions for growing plants for food (Yr2)
- record findings using simple scientific language, drawings, labelled diagrams, keys, bar charts and tables by observing and recording plant growth (Yr3/4)

Lesson 4 Moving Water

- investigate the way in which water is transported within plants by observing the transport of food colouring through a flower stem (Yr3/4)

Lesson 5 Fantastic Flowers

- explore the part that flowers play in the life cycle of flowering plants, including pollination, seed formation and seed dispersal by understanding pollination and fertilisation (Yr3/4)

Lesson 6 Life Cycle

- observe and describe how seeds and bulbs grow into mature plants by understanding the life cycle of plants (Yr2)
- use observations and ideas to suggest answers to questions by giving ways we can tell that plants are living things (Yr2)
- explore the part that flowers play in the life cycle of flowering plants, including pollination, seed formation and seed dispersal by ordering and describing the stages of the life cycle of a flowering plant (Yr3/4)