

Plants KS2

Session overview and learning objectives

Session Summary

- This session is suitable for one class at a time of up to 30 students
- It will last up to 60 minutes
- Required ratio – 1 adult:10 students

We will provide the equipment but please bring clipboards.

This session offers an opportunity to investigate plants, what they need to grow, the function of different parts of the plant and the role of pollinators, through games and activities. They will look at the variety and diversity of flowering plants in the woodland habitat.

Session Outline

Time	Location	Activity
	Bradfield Centre	Collect equipment
5 minutes	Woodland clearing	Parts of a plant: label the parts of a plant
10 minutes	Woodland clearing	Seed game: recapping what seeds need to grow
15 minutes	Walk up to New Butterfly Glade	Flower spotting: looking for different colours and shapes and recording in a simple tally chart Discuss diversity and variation in flowering plants and the role of pollinators.
15 minutes	New Butterfly Glade	Interview a plant: exploring a plant in more detail
15 minutes	Walk back to Centre	Plant adaptation spotter sheet
	Bradfield Centre	Return to centre to wash hands

Learning Objectives

All will be able to label different parts of a plant and know their basic functions

All will be able to identify what seeds need to grow

All will be able to discuss the diversity and variation in plants

All will understand the role of pollinators

All will be able to observe adaptations of plants

Some will make observational drawings of a plant

A few will be able to identify species in the woodland

Curriculum Extracts

The following bullet points are extracted from the national curriculum

KS2

Working scientifically

Students should be taught to use the following practical scientific methods, processes and skills:

- making systematic and careful observations
- gathering, recording, classifying
- identifying differences and similarities

Year 3 Plants

Students should be taught to:

- identify and describe the functions of different parts of flowering plants: roots, stem/trunk, leaves and flowers
- 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
- investigate the way in which water is transported within plants
- explore the part that flowers play in the life cycle of flowering plants, including pollination, seed formation and seed dispersal

Year 4 Living things and their habitats

Students should be taught to:

- recognise that living things can be grouped in a variety of ways
- explore and use classification keys to help group, identify and name a variety of living things in their local and wider environment
- recognise that environments can change and that this can sometimes pose dangers to living things

Year 5 and 6 Living things and their habitats

Students should be taught to:

- describe the life process of reproduction in some plants and animals
- describe how living things are classified into broad groups according to common observable characteristics and based on similarities and differences, including microorganisms, plants and animals
- give reasons for classifying plants and animals based on specific characteristics