

Plants KS2

Session Overview and Learning Objectives

This session offers an opportunity to investigate the variety in colour and shape of plants, the role of pollinators, seed dispersal, and functions of different parts of a plant, through games and activities.

Session Summary

- This session is suitable for one class at a time of up to approximately 30 pupils
- The session lasts up to 90 minutes
- Required ratio – 1 adult:10 pupils

We will provide all equipment.

Session Outline

Time	Activity
5 minutes	Welcome, introduction and H&S brief
15 minutes	Flower spotting: identifying colours, shapes and species of different flowers
10 minutes	Be a bee: game to understand the importance of pollinators
10 minutes	Squirrel caches: learning about seed dispersal
10 minutes	Build a tree: learning about the different parts and functions of a tree
10 minutes	Revisit squirrel caches: learning about seed dispersal

Learning Objectives

All will understand that flower species are diverse in colour and shape

Most will understand the reasons for the diversity in colour and shape of flowers

All will understand how seeds can be dispersed

All will understand that pollinators are essential for plants to grow

Most will be able to understand the functions of different parts of a tree

Some will make links between the facts learned in the games and their own observations of plants.

Links to the national curriculum

The following bullet points are extracted from the national curriculum:

Working scientifically

Pupils 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

Pupils 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

Pupils 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

Pupils 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.