

# Plants KS2

## Session Overview and Learning Objectives

### Session Summary

- This session is suitable for one class at a time of up to 30 pupils
- It will last up to 60 minutes
- Required ratio – 1 adult:6 pupils

We will provide the equipment but please bring clipboards and pencils.

This session offers an opportunity to investigate the life cycles of plants and the role of pollinators and learn about the function of different parts of the plant through games and activities. They will look at the variety and diversity of flowering plants in the meadow habitat.

### Session Outline

| Time       | Location          | Activity   |
|------------|-------------------|--|
|            | Learning Centre   | Collect equipment  |
| 5 minutes  | Yard              | Parts of a plant: discussion and labelling of various parts of the plant   |
| 10 minutes | Side yard         | Seed game: recapping what seeds need to grow   |
| 20 minutes | Wildflower Meadow | Flower spotting: looking for different colours and shapes and recording in a tally chart<br>Discuss diversity and variation in flowering plants and the role of pollinators. |
| 10 minutes | Wildflower meadow | Interview a plant  |
| 5 minutes  | Learning 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

Some will make observational drawings of a plant

A few will be able to identify species in the meadow

# Curriculum Extracts

The following bullet points are extracted from the national curriculum

## KS2

### 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