

# Trees 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

**All equipment is provided but please bring clipboards and pencils.**

This session offers an opportunity to learn about trees and identify common species. Pupils will discuss the difference between deciduous and evergreen species and use scientific equipment to calculate the height and age of a tree.

### Session Outline

| Time       | Location       | Activity                                       |
|------------|----------------|--|
| 10 minutes | Visitor Centre | Collect equipment and walk to Sheepwash Woods. |
| 5 minutes  | Community Wood | Leaf key trail                                 |
| 10 minutes | Community Wood | Making leaf keys                               |
| 15 minutes | Community Wood | Tree study                                     |
| 10 minutes | Community Wood | Build a tree                                   |
| 10 minutes | Visitor Centre | Return to centre to wash hands                 |

### Learning Objectives

All will use a simple key to identify leaves

All will use scientific equipment to measure trees

All will explore the way that water moves through trees

Some will be able to name and identify common tree species

A few will be able to distinguish between deciduous and evergreen species

# 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