



VOLUNTEERING & LEARNING



PENDLE HILL
LANDSCAPE
PARTNERSHIP

OUTDOOR LEARNING SESSIONS

Plants and Soil



Plants and soils encourages children to explore their local natural environment and understand the diversity of life. The activities focus on comparing different plant species, habitats, growing requirements and lifecycles.

Session can be adapted to suit EYFS, KS1, KS2 and KS3. The preliminary theme of the session can either be life cycles and growth requirements or seed dispersal and soil, depending on the focus. The sessions can be delivered within a range of habitats, including at school grounds. If time allows, there will be two habitat comparisons.

Plants and Soils session

Tree or flower identification

The children will learn plant parts and their functions. Depending on the habitat, trees or flowers will be identified using keys, charts and images. The plants will then be classified into shape, colour, size, evergreen or deciduous.

Size and age of plants

The children will identify and measure the height, then age of the largest and smallest plant. Using a scientific investigation and a range of equipment, the appropriate method can be chosen. Accuracy and estimation can then be discussed, as well as the necessity for this information.

Plant senses

Depending on the age, the children will use some of their senses to explore the habitat. Activities could include:

- Bark/leaf rubbing – use touch to explore the textures of different parts of a plant
- Colour spotting – use sight to explore different colours of plants within habitats
- Smelly plants – use smell to collect natural materials to make a plant cocktail
- Plant sounds – use listening to hear what other creatures live within a plants habitat

Habitat comparison

If time allows, comparisons can be made between habitats and the plants that live there, by repeating the activities above in a different ecosystem. Discussions into the appropriate conservation techniques to maintain these plant habitats and why, will also be included.





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**Please choose either seed dispersal and soil
Or life cycles and growth requirements**

Seed dispersal and soil

Children will investigate different methods of seed dispersal, why plants choose a specific one to suit habitat and soil. Dispersal games will be played, demonstrating why plants need to produce many seeds. The local soil will be investigated into its suitability for seeds.

Life cycle and growth requirements

Children will play an oak tree life cycle game where they need to collect the different elements to make their seeds grow. Scenarios will be introduced, plus animals and other environmental changes. A discussion of plant survival and conservation will conclude the game.

National Curriculum links

EYFS

ELG 01 Listening & attention, ELG 02 Understanding, ELG 03 Speaking
ELG 04 Moving & handling, ELG 05 Health & self-care,
ELG 11 Numbers, ELG 12 Shape, space & measures,
ELG 14 The world
ELG 06 Self-confidence & self-awareness, ELG 07 Managing feelings & behaviour,

KS1

Working scientifically, plants, seasonal changes, Living things and their habitats, everyday materials
Locational awareness, place knowledge, Geographical skills and fieldwork
Spoken Language, Reading , writing
Numbers, measurement, geometry, statistics

KS2

Working scientifically, plants, Living things and their habitats, rocks, states of matter, properties
and changes of materials, light and sound,
Locational awareness, place knowledge, geological skills and fieldwork
Spoken Language, Reading , writing
Numbers, measurement, geometry, statistics

For more information or to make a booking please contact

Outdoor Learning Officer: PendleHill@ErnestCookTrust.org.uk or 01200 420420

