

Prior Learning

Identify and name a variety of common wild and garden plants, including deciduous and evergreen trees. (Y1 - Plants)

Identify and describe the basic structure of a variety of common flowering plants, including trees. (Y1 - Plants)

Identify and name a variety of common animals including fish, amphibians, reptiles, birds and mammals. (Y1 - Animals including humans)

Describe and compare the structure of a variety of common animals (fish, amphibians, reptiles, birds and mammals, including pets). (Y1 – Animals, including humans)

Identify and name a variety of plants and animals in their habitats, including microhabitats. (Y2 - Living things and their habitats)

Plants A

Summer Term

Year 3

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.

Working scientifically

Identifying differences, similarities or changes related to simple scientific ideas and processes.

Using straightforward scientific evidence to answer questions or to support their findings.

Talk about criteria for grouping, sorting and classifying.

Setting up simple practical enquiries, comparative and fair tests.

Recording findings using simple scientific language, drawings, labelled diagrams, keys, bar charts, and tables.

Future learning

Describe the differences in the life cycles of a mammal, an amphibian, an insect and a bird. (Y5 - Living things and their habitats)

Describe the life process of reproduction in some plants and animals. (Y5 - Living things and their habitats)

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. (Y6 - Living things and their habitats)

Give reasons for classifying plants and animals based on specific characteristics. (Y6 - Living things and their habitats)

Vocabulary

Leaf, stem, roots, flower, soil, dissection, independent variable, dependent variable, controlled variable, soil, seed, scales, measuring cylinder, water transportation, seed, seedling, seed coating, germination, flower, petal, stamen, pistil, reproductive organs, pollination, pollen, pollinators, wind dispersal, animals dispersal, water dispersal, explosion dispersal, seed dispersal, life cycle.