

Plants

Environment



Prior Knowledge

Year 1: Environment (Plants)
 Identify and name a variety of common wild and garden plants, including deciduous and evergreen trees. Identify and describe the basic structure of a variety of common flowering plants, including trees

Year 2: Environment (Plants)
 Observe and describe how seeds and bulbs grow into mature plants. Find out and describe how plants need water, light and a suitable temperature to grow and stay healthy

Where next? Future learning

Year 4: Environment (Living things and their habitats) -
 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.

Year 5: Evolution (Living things and their habitats) - Describe the life process of reproduction in some plants and animals.

Year 6: Legacy (Living things and their habitats) - Give reasons for classifying plants and animals based on specific characteristics.



My Component Knowledge:

Lesson 1: I can demonstrate what I already know. I can create an investigation to find out what plants require to grow.

Lesson 2: I can create an investigation to find out about how water travels through plants.

Lesson 3: I can interpret results from an investigation.

Lesson 4: I can identify the parts of the plant.

Lesson 5: I can explain the life cycle of a plant.

Lesson 6: I can explain the growing conditions of a plant.

My Composite Knowledge:

I can understand what plants require to grow and how water travels through plants. I can understand the life cycle of plants, including seed dispersal.

My Powerful Knowledge:

I understand that the life processes of plants. I can set-up, create and interpret results from scientific investigations.

Key Vocabulary

Tier 1: air, light, water, soil, plant, seed, temperature, sun

Tier 2: nutrients, stem, leaves, flower, roots, environment

Tier 3: pollination, seed dispersal, seed formation, conditions, fertilisation, germination



How does water travel through plants?

What do plants need to grow?

What is the life cycle of a plant?

