

#### Prior Knowledge

Year 1: <u>Environment</u> (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

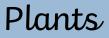
#### Where next? Future learning

Year 4: <u>Environment (</u>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:** <u>Evolution</u> (Living things and their habitats) – Describe the life process of reproduction in some plants and animals.

**Year 6:** <u>Legacy</u> (Living things and their habitats) – Give reasons for classifying plants and animals based on specific characteristics.





# Envrionment



### 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.

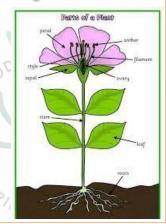
What is the life cycle

of a plant?

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How does water travel through plants?

# What do plants need to grow?





#### 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

