

# Plants

## Environment

### The surroundings of an object

### Year 3

#### 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.



**My Component Knowledge:**

Lesson 1: I can identify and name the parts of a plant. I can understand the meaning of new vocabulary

Lesson 2: I can create an investigation to find out what plants require to grow.

Lesson 3: I can investigate and describe seed dispersal.

Lesson 4: I can create an investigation to find out how water travels through plants.

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, flower, leaf, pollen

**Tier 2:** nutrients, environment, fertilisation, life cycle

**Tier 3:** pollination, seed dispersal, germination, petal, roots, seed, sepal, stem, water transportation

How does water travel through plants?

What do plants need to grow?

What is the life cycle of a plant?

