

Plants

Environment

Prior Knowledge

In KS1, the children identified and named a variety of common wild and garden plants, including deciduous and evergreen trees. They identified and described the basic structure of a variety of common flowering plants, including trees and observed and described how seeds and bulbs grow into mature plants. They also found out and described how plants need water, light and a suitable temperature to grow and stay healthy.



Key Vocabulary

Tier 1: seeds, leaves, stem, flower, roots, grow, air, light, water, soil, plant, temperature, sun

Tier 2: moisture, seedlings, nutrients, environment

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

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 identify the parts of the plant.

Lesson 3: I can create an investigation to find out about how water travels through plants.

Lesson 4: I can interpret results from an investigation.

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

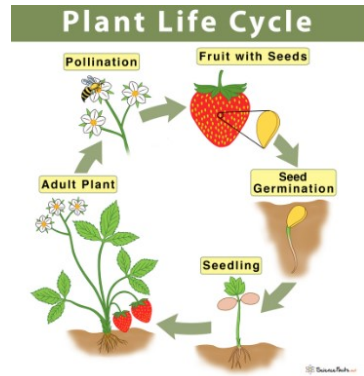
Lesson 6: I can explain the growing conditions of a plant.

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.



How does water travel through plants?

What do plants need to grow?

What is the life cycle of a plant?

