

Science- Plants Environment

Prior Knowledge

In EYFS, the children discussed, recognised and visited different environments to the one in which they live. They observed and learnt about the changes to plants that occur in different seasons. In Year 1, the children identified and named a variety of common wild and garden plants, including deciduous and evergreen trees. They learnt about the structure of plants including leaves, flowers (blossom), petals, fruit, roots, bulb, seed, trunk, branches and stem. They have also learnt that plants are the producer in a food chain.



Key Vocabulary

Tier 1: fruit, grow, plant, vegetable, seed, leaves, flowers

Tier 2: seeds, bulb, shoot, sprout, temperature, roots, soil, sunlight, seedling, habitat

Tier 3: germination, nutrition, seed dispersal

My Component Knowledge:

Lesson 1: I can share what I know about plants and plant a seed to observe how it grows.

Lesson 2: I can understand and describe the structure of a seed.

Lesson 3: I can describe the life cycle of a plant.

Lesson 4: I can describe what happens if a plant doesn't get what it needs.

Lesson 5: I can recognise the signs showing a plant hasn't got what it needs to survive and know how plants are suited to their habitat.

Lesson 6: I can observe and describe how seeds and bulbs grow into mature plants.

My Composite Knowledge:

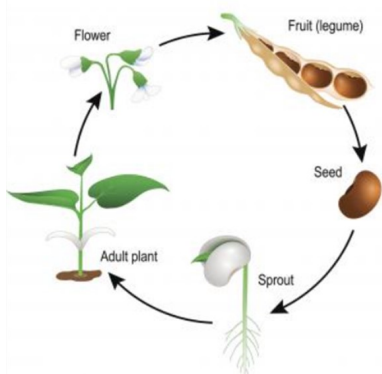
I can understand and describe the structure of plants including leaves, flowers (blossom), petals, fruit, roots, bulb, seed, trunk, branches and stem, as well as the stages of a plants development. I know plants need water, light and a suitable temperature to grow and stay healthy.

My Powerful Knowledge:

I can understand and describe the main changes as seeds and bulbs grow into mature plants. I am developing my scientific understanding of plants and their importance in our environment and world.

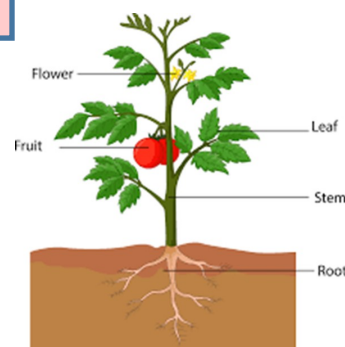
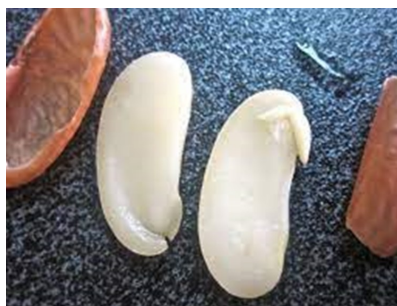
What is the life cycle of a plant?

LIFE CYCLE OF A BEAN PLANT



Can plants grow anywhere?

What is inside a seed?



What do plants need to stay healthy?