

Plants

Key Knowledge:

Plants are made up of different parts, which have different functions.

The roots absorb water from the soil and hold the plant in place.

The stem carries water to different parts of the plant.

The leaves absorb sunlight to make food for the plant.

The flowers help the plant to reproduce and create new life.

Germination is a seed breaking its coating and sending out its first leaves and roots.

Pollination is the transfer of pollen from male to female parts of a plant so it can reproduce.

Key vocabulary

Leaf - absorbs sunlight to make food for the plant.

Stem - carries water to different parts of the plant.

Roots - absorb water and nutrients from the soil and hold the plant in place.

Flower - helps the plant to reproduce and create new life.

Seed - a part of a plant that can grow into a new plant.

Germination - the process of a seed breaking its coating and sending out its first leaves and roots.

Pollination - the transfer of pollen from the male part of a plant to the female part of a plant.

Our Learning Journey

Step 1 - Parts of a plant and their functions.

Step 2 - Planning our enquiry on plant growth.

Step 3 - Completing our enquiry on plant growth.

Step 4 - Exploring seeds.

Step 5 - The process of pollination.

Step 6 - The life cycle of plants.

Our Enquiry Question:

Does the number of seeds within one plant pot affect the growth of the plants?

Working Scientifically Skills:

Asking relevant questions and using different types of scientific enquiries to answer them.

Setting up simple practical enquiries, comparative and fair tests.

Our Scientific Enquiry Type:

Comparative / fair testing

Changing one variable to see its effect on another, whilst keeping all others the same.



We are doing a comparative/fair test because we are changing _____

and measuring _____

Observation over time

Observing changes that occur over a period of time ranging from minutes to months.



This is observation over time because we are watching how _____

_____ changes.