

Science Year 3 Knowledge Organiser

What part do different parts of plants play in helping them grow healthily?

Key knowledge

Understand what a plant needs to flourish and find out about its life cycle

Know the function of the different parts of the flowering plant

Know that light, air, water, nutrients from soil are all important for plant growth

Find out how water is transported within a plant

Know the part that flowers play in the life cycle of a flowering plant

Know about pollination, seed formation and seed dispersal

Vocabulary

pollination

This is the act of transferring pollen grains from the male anther of a flower to the female stigma

seed dispersal

Is the movement or transport of seeds away from the parent plant

seed formation

A seed is a small baby plant enclosed in a covering called the seed coat, usually with some stored food

nutrients

Are the food the plant wants. Most of the plant's nutrients comes from the soil

stigma

This is usually sticky and receives pollen

anther

The stamen has a pollen producing structure at the end which is called the anther



Personal development: The jobs it can be used in are: conservation scientist, farming, plant biologist. Children will learn to appreciate and embrace our local environment.

Our Endpoint

I can explain how different parts of a plant help it grow healthily.



Prior Knowledge–

Within the same subject

Within another subject

From personal experience