

Plants - Science



Knowledge Outcomes:

During Year 2 pupils should be taught:

- To observe closely using simple equipment;
- To perform simple tests;
- To gather and record data to help in answering questions;
- To use their observations and ideas to suggest answers to questions;
- To observe and describe how seeds and bulbs grow into mature plants;
- To find out and describe how plants need water, light and a suitable temperature to grow and stay healthy.

Learning Journey:

- I can look closely at plants and trees and record what I see.
- I can plant seeds and bulbs and suggest how to care for them. I can set up a test and make a prediction.
- I can explain the life cycle of plants. I can suggest a way we can tell that plants are living things.
- I can use my observations to explain what plants need. I can record the results of a comparative test.
- I can describe what plants need to grow and stay healthy. I can use my observations to say what food crops will need to grow and stay healthy.
- I can observe and describe the growth of different plants. I can make a bar chart to show the growth of my plants.

Wider Curriculum:

The children will be planting a bulb and a seed and comparing similarities and differences between how they grow. They will have the opportunity to prepare the school allotment and plant a range of vegetables.

Key Vocabulary

Spelling	Definition / Sentence
roots	The part of a plant that usually grows underground. Roots take up water and nutrients, and hold the plant in the soil.
stem	The main stalk of a plant that develops buds and shoots and usually grows above ground.
seed	The small part of a flowering plant that grows into a new plant.
bulb	A plant bud that begins to grow underground.
leaf	One of the usually green, flat parts of a plant or tree that grows from the stem or branch.
flower	The part of a plant that has petals and that makes fruit or seeds
tree	A woody plant that has a long main trunk and many branches.
plant	One of a large group of living things that use sunlight to make their own food.
germinate	To start or cause to start growth
life cycle	The sequence of changes that a living thing goes through as it grows and develops.

