

Science

Plants

Year 2

Spring Term

## Key knowledge

What plants need to grow	Plants require water, warmth, nutrients from the soil and sunlight to grow.
Water	Plants are able to get water from the soil through their roots.
Sunlight	Plants need lots of light to help them grow as they use sunlight to make their own food.
Germination	When the conditions are right, the seed soaks up water and swells, and the tiny new plant bursts out of its shell.
Seeds	Some plants grow first from a seed, and then develop a bulb which helps them to grow back year after year
Bulb	A bulb lets the plant rest underground over the winter when it is too cold, then grow back later in the year when the conditions are right.
Seed dispersal	It is when seeds move away from the parent plant. They can drop on the ground in the plant's fruit or be moved by wind or animals.



## Statutory Requirements

- Observe and describe how seeds and bulbs grow into mature plants
- Find out and describe how plants need water, light and a suitable temperature to grow and stay healthy

## Key Vocabulary

Plant	Plant is a living thing that usually grows from the ground
Root	Part of a plant that takes in water and nutrients from the soil
Stem	Part of a plant that helps support and keep the plant upright
Leaf	Part of a plant that absorbs sunlight which is used by the plant to make food
Flower	Part of a plant that attracts insects and birds
Seed	Part of the flowering plant that can grow into a new plant
Bulb	A root shaped like an onion that grows into a flower or plant

## Possible Experiences

- Go on a plant/ tree hunt. What do you notice? What do they look like? What are their features?
- Plant a bulb or a seed and watch it grow. Record your observations in a diary.
- Compare the growth of plants (using the same bulb or seed) where one of the conditions is different (no water, no light, a smaller container).
- Plant a seed on a wet cotton bud. Does it grow? Why might it grow for a little while then stop?
- Dissect a variety of fruits and locate where their seeds are.
- Eat a variety of vegetables and identify which part of the plant they come from.

