



# Plants (light and dark)

Year 2

## Knowing More, Remembering More

### Remembering previous learning

**What is a plant?** A plant is a living thing that usually grows in soil.

**What are the main parts of a plant?** Some plants have roots, a stem, leaves and flowers.

**What is a seed?** A seed can be planted to grow into a new plant.

**What happens to a plant when it grows?** The stem will grow in length. It will grow new leaves. The roots will become longer. Some plants will grow flowers.

**What are the main parts of flowering plants?** Flowers, stems, roots and leaves.

**What are trees?** Trees are a type of plant that has roots, a trunk, branches and leaves. Some trees have fruit.

**What are wildflowers?** Plants that have not been planted by humans.

**What are garden plants?** Plants that have been chosen by humans to grow in their gardens.

**What are deciduous trees?** Trees that lose their leaves in autumn.

**What happens to the leaves on deciduous trees?** They change colour in the autumn and then fall to the ground.

**What are evergreen trees?** Trees that keep their leaves all year round.

## In this unit children will:

- Find out and describe how plants need water, light and a suitable temperature to grow and stay healthy

## Key vocabulary

- plant
- flower
- fruit
- vegetable
- herb
- blossom
- stem
- leaf
- trunk
- independent variable
- dependent variable
- controlled variable
- branch
- seed
- plant
- sunlight
- compost

## Working Scientifically:

- 2.1 Ask simple questions
- 2.6 Observe closely
- 2.7 Perform simple tests using standard units when appropriate
- 2.8 Gather and record data to help in answering questions

## Key Learning Steps:

1. Explore plants
2. Plant parts
3. What do plants need to grow?
4. Plan - light and dark
5. Investigate - light and dark

Later in the term:

1. Findings

## Key Scientists:



**Classic**  
Joseph Banks  
(1743 - 1820)  
British naturalist, botanist and patron of natural sciences.



**Classic**  
Barbara McClintock  
(1902 - 1992)  
American scientist and cytogeneticist.



**Contemporary**  
Sir Tim Smit  
Co-founder of the Eden Project.

## Knowing More, Remembering More

### Knowing more in Y2

**What do plants need to grow and stay healthy?** Water and light.

**What happens if plants do not have water and light?** They may become weak and not grow properly.