



**Science Topic Overview: Plants (part 1 of 2)**

**Previous linked learning**

- Reception**  
 - Basic features of plants, seeds and growth of a sunflower
- Year 1**  
 - Identify and name a variety of common wild and garden plants, including deciduous and evergreen trees  
 - identify and describe the basic structure of a variety of common flowering plants, including trees
- Year 2**  
 - 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

**I think I already know...**

**I would like to find out...**

**Key Vocabulary**

*deciduous, evergreen, tree, leaf, flower, petals, fruit, bulb, seed, roots, stem, trunk, branches, growth, germinate, light, temperature, mature plants, healthy*

**Function**

**Air**

**Water**

**Transportation**

**Nutrients**

**Soil**

**Reproduction**

**seed formation**

**seed dispersal**

**pollination**

**By the end of this unit you will be able to....**

- Identify and describe the functions of different parts of flowering plants: roots, stem/trunk, leaves and flowers
- Explore the requirements of plants for life and growth (air, light, water, nutrients from soil, and room to grow)
- Investigate the requirement of water for plants to grow through asking 'What happens to a plant when it is not watered?' (concluded in summer 2)
- Explore how the requirements for plants to live and growth, the way in which water is transported within plants and how these things vary from plant to plant
- Explore the part that flowers play in the life cycle of flowering plants
- Explain pollination, seed formation and seed dispersal in flowering plants

