

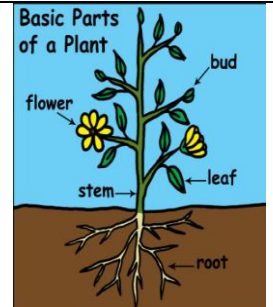


Key questions:

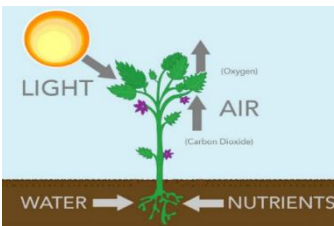
How do plants grow and survive? Which plants grow in a garden and which grow in the wild? What is the difference between deciduous and evergreen leaves? What are the parts of a plant?

Parts of a Plant Key knowledge:

- The flower's **colourful petals** and **scents** (smells) attract insects to aid **pollination**.
- The **stem** has tubes inside which transport water from the **roots** to the plant.
- **Roots** absorb **nutrients** and **minerals** from the **soil** – these help healthy growth.
- **Green leaves** use the sun and water to create food (sugar)- **photosynthesis**.
- **Fruit** – contains the **seeds**- often sweet and juicy, attracting animals to eat it and spread the seed.



Plants need these...



Plant Growth Key knowledge:

- A healthy plant will need water, sunlight and nutrients to grow- **photosynthesis**.
- **Nutrients** are found in the soil.
- The sun provides warmth and light which is crucial for healthy green leaves.
- Plants grow flowers and fruit which are ways to spread their seeds.

Trees key knowledge:

- There are different types of trees - **coniferous** and **deciduous**.
- **Coniferous trees** (evergreen) retain their **needle, green** coloured leaves all year round e.g **Cedars, Pines and Junipers**. They can be found on every continent. They have cones which house their seeds.
- **Deciduous trees** drop their leaves seasonally e.g **Oak, Sycamore, Birch**



Key vocabulary:

- **Flower:** the seed-bearing part of a plant.
- **Seed:** the small part of a flowering plant that grows into a new plant.
- **Root:** a part of a plant that is usually hidden underground which holds the plant in the ground and absorbs minerals and nutrients.
- **Pollination** is when pollen is taken from one plant to another to create seeds, often by insects.
- **Soil:** Soil is the loose upper layer of the Earth's surface where plants grow.
- **Bark:** tough protective covering of the woody stems and roots of trees and other woody plants
- **Trunk:** the main stem of a tree apart from limbs and roots
- **Fruit:** the part of a plant that has seeds and flesh, such as apple or strawberry. Eaten by animals.
- **Branch:** a part of a tree that grows out from the trunk or from a main division of the trunk.
- **Wild:** produced without being planted or without human labour.
- **Blossom:** a flower or mass of flowers- produced during spring time.

Output:

Produce a bean diary where I will be able to:

- Write instructions to describe how to plant a bean.
- Label parts of a plant diagram
- Observe and record growth of a plant, taking measurements and recording change in a diary.
- Record what is needed to make a plant grow.

Working like a scientist:

- Identify and describe basic structures of flowering plants.
- Ask simple questions and recognise that they can be answered in different ways.
- Identify and name some common wild flowers and garden plants - including deciduous and evergreen trees.
- Gather and record data to help answer questions.
- Identify and classify leaves as deciduous or evergreen.
- Observe the growth of plants using equipment.
- Use observations and knowledge to answer questions.