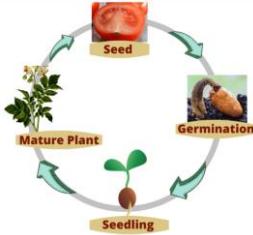


Science (Y3) – Under Our Feet

Plants

Prior Knowledge

- Know how seeds and bulbs grow into mature plants
- Can describe how plants need light and a suitable temperature to grow and stay healthy



Peace

Beauty

Transformation

Wonder

Growth



Key Knowledge

- Many plants have roots, stems/trunks, leaves & flowers/ blossom
- The roots absorb water and nutrients from the soil and anchor the plant
- The stem transports water and nutrients/minerals around the plant and holds the leaves and flowers up in the air
- The leaves use sunlight and water to produce the plant's food (by photosynthesis)
- **Pollination** – pollen, that has been produced by the male part of the flower, is transferred to the female part of other flowers
- Pollination forms seeds which are then dispersed (spread) in different ways
- Different plants require different conditions for germination and growth

Key Vocabulary

photosynthesis

The way in which plants make food in their leaves.

pollination

When pollen is transferred to female parts of a flower. This can be done by wind or insects.

seed formation

Seeds can develop after pollination. They can be found in berries or fruits.

seed dispersal

Seeds can be dispersed in different ways e.g. wind, animals or water.

pollen

female

male

transport

soil

absorb

minerals

nutrients

What conditions does a plant need for germination and growth?



Wangari Maathai (1940 – 2011)

The first African women to win the Nobel Peace Prize for her environmental and human rights work.

