

Shadsworth Junior School Knowledge Organiser

Year Group: 3

Term: Summer 1

Subject: Science

Topic: Plants

Key Vocabulary

Fertilisation – when pollen meets the ovule to form a seed.
Pollen – a fine powder produced by flowers which is used to produce new seeds.
Flower – the part of a plant which is brightly coloured and grows at the end of a stem.
Plant – a living thing that grows in the Earth and has a stem, leaves and roots.
Dispersal – when seeds are spread and scattered to different areas.
Pollination – fertilising a plant with pollen, often done by insects.
Photosynthesis - the process by which plants use the sun's energy to make their own food or energy.
Life cycle – the series of changes that an animal or plant passes through from the beginning of their life to death.
Deciduous – a tree that loses its leaves in the autumn every year.
Vegetation – plants, trees and flowers.

Key knowledge

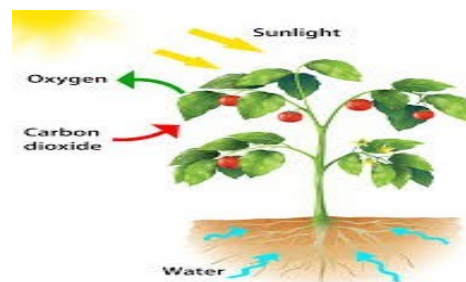
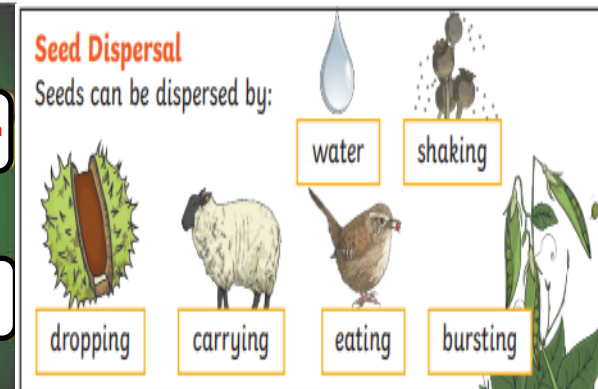
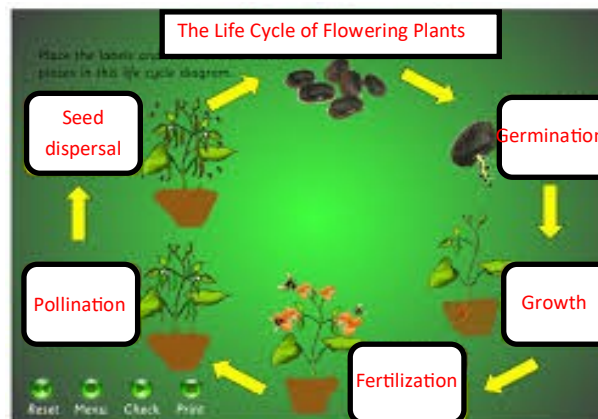
Plants need the following things to survive and grow:

- Air
- Water
- Sunlight
- Nutrients from the soil
- Room to grow
- A suitable temperature



Stigma	Takes the Pollen
Style	Connects the stigma to the ovary
Ovary	Contains the egg
Ovule	A small egg
Petal	Coloured parts of the flower

Useful Pictures and diagrams



Key knowledge

Sepal	Part of the flower that protects the bud.
Anther	Part of the stamen that produces and releases pollen
Filament	Holds the anther
Roots	Help anchor the plant into the soil and absorb water and nutrients

Parts of a Flower

