



Science Knowledge Organiser:

What do plants need to Thrive and Survive?

BIOLOGY

What do I already know?

I can...

- Name a variety of common wild and garden plants.
- Understand how seeds and bulbs grow into mature plants.
- Name and label different parts of plants.
- Classify different seeds and bulbs in different ways.
- Order the lifecycle of a sunflower.

Key vocabulary and definitions:

Plant- a living thing that usually grows from the ground.

Flower- The part of a plant that blossoms.

Leaves- use light, air and water to make food for the plant.

Stem- Carries water and nutrients to different parts of the plant.

Roots- Holds the plant in the ground and absorbs water and nutrients from the soil.

Seed- production of flowering plant, develops into another plant.

Bulb- round storage system in some plants e.g lily, daffodil.

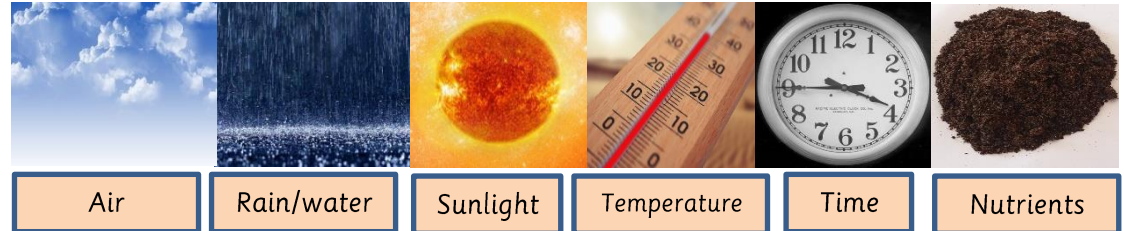
Bud- compact growth on a plant which develops into a leaf, flower or shoot.

Blossom- a flower or mass of flowers on a tree or bush.

Germinate – start of growth

Adapt – adjust/change for new conditions.

Conditions for Growth



What will I know by the end of the unit?

- Be able to suggest the correct conditions for plant growth.
- To use the 7 life processes to identify if something is living.
- To sort and classify things into alive, never been alive or dead.
- Plants can adapt to their surroundings.

Plants adapt to their environment and climate



The 7 life processes



FUN FACT

Plants can talk to each other and even release distress signals when under stress, like the smell of freshly cut grass, to attract help or deter predator.