



Year 3 Knowledge

Organiser

Science

How does your
garden grow?

Project Question:

How do things grow and how do we enable that?

Exciting Books and Useful Links:

Bloom by Nicola Skinner

A seed is sleepy by Dianna Hutts Aston and Sylvia Long

Links:

https://www.nationalgeographic.org/topics/plants/?q=&page=1&per_page=25

<https://gardenmuseum.org.uk/learning/primary/>

What I should already know:

An understanding of the terms:

Germination: how seeds begin to grow into plants.

Lifecycles: how plants grow and die.

Pollination: how this happens for some plants.

What I need to know:

- How plants grow from seeds, bulbs,
- Parts of a plant and the journey water takes through them.
- Lifecycles of a plant
- Types of plants and their required environmental factors

We will be growing, recording and taking care of plants this term.

Key Vocabulary:

Fertilisation - When the male and female parts of the flower have mixed in order to make seeds for new plants.

Petal - The brightly coloured part of the flower that attracts insects to pollinate the plant.

Stamen - The male parts of the flower. The stamen is made up of the anther and the filament. The filament's job is to hold up the anther. The job of the anther is to make the pollen.

Carpel (pistil) - The female parts of the flower. Made up of the stigma, style and ovary. The job of the style is to hold up the stigma.

Stigma - collects the pollen when a pollinator brushes by it.

Ovary - contains the ovules, which are the part of the flower that gets fertilised and eventually becomes the new seed.

Sepal - Leaf-like structures that protect the flower and petals before they open out.

Pollination - When pollen (a fine powdery substance produced by a flowering plant) is moved from the male anther of a flower to the female stigma.

Pollinator - Animals or insects which carry pollen between plants. Examples include birds, bees and bats.

Germination - When a seed starts to grow. seed dispersal A method of moving the seeds away from the parent plant so that the seeds have the best chance of survival.