

St. Mary's Catholic Primary School



Subject: Science

Topic: Plants

Year: 2

Strand: Biology: Living things

What should I already know?

- The names of a variety of common wild and garden plants, including deciduous and evergreen plants.
- The basic structure of common flowering plants and trees. e.g. leaf, stem, roots.
- The three things plants need to grow.



What am I going to learn?

- Plants need water, sunlight and the right temperature to grow.
- Plants are living things that can move, grown, absorb nutrients, reproduce and react to their surroundings (sense).
- Many of our foods come from plants e.g. fruit, grains and vegetables.
- We eat many fruits that contain seeds.
- Germination is the name for when a plant starts to grow. A plant is germinating when its seed begins to sprout.
- Inside a seed/bulb is the baby plant (an embryo). Seeds have a tough layer on the outside to protect the plant (the seed coat).
- Seeds and bulbs do not need sunlight in order to grow. They already have their own food store inside them.

Vocabulary

Bulb: Some plants grow first from a seed, and then develop a bulb that helps them to grow back year after year. A bulb lets the plant rest underground over the winter when it is too cold, then grow back later in the year when conditions are right.

Sprout: When a plant sprouts, it grows new shoots.

Shoot: A shoot grows upwards from the seed or plant to find sunlight.

Life Processes: All living things do certain things to stay alive. These are called life processes. Plants need to take in **nutrition** and **air** to survive. They also need to get rid of **waste**.

Seed: Every single seed has the beginnings of a new plant inside it, along with a little store of food to help it grow.

Germination: The process by which a seed begins to grow and develop into a plant.

Food Crops: Plants that provide food for humans to eat.

Nutrition: Food or nourishment. Plants make their own food in their leaves using sunlight.

Seed dispersal: This is when the seeds move away from the parent plant. They can be moved by the wind or animals.

Investigations

- To plant sunflower seeds and narcissus bulbs and suggest how to care for them.
- To investigate what plants need the most in order to grow healthy.

