



St Leo's and Southmead
Catholic Nursery and Primary
School

Year
Two

Science Knowledge Organiser

Spring
Term



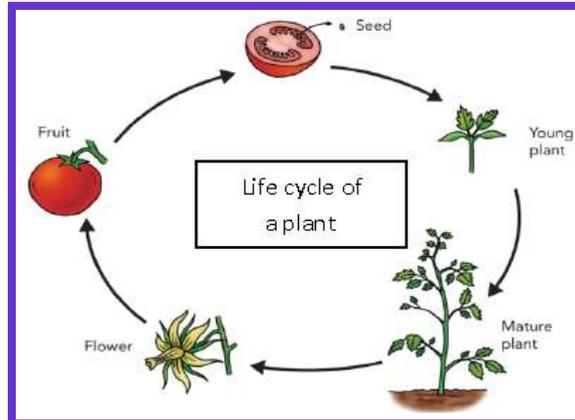
Key Concepts

- A plant is a living thing that usually grows from the ground.
- To name the main parts of a plant: root, flower, stem, leaves.
- When seeds start to grow this is called germination.
- To germinate seeds need warmth, air (oxygen) and water.
- Seeds don't need light because they have a store of food inside them already.
- Once a seed breaks through the soil it is a plant.
- To grow and survive, plants need light, water and carbon dioxide. This is so they can make their own food.
- If a plant gets too hot or too cold then they will die.
- The lifecycle of a plant: 1.A plant grows,2.flowers grow, 3.flower dies, 4.fruits with seeds left behind.
- Many plants provide us with food by bearing fruits which carry seeds

PLANTS

Skills

- To perform a comparative test
- To observe closely using simple equipment
- To gather and record information to help answer questions posed



Curriculum Links

- **Literacy Link:** Opportunities for the children to use books and websites to research.
- **Maths Link:** Opportunities for the children to collect and handle information collected during investigations.

Amazing Activities

To plant a seed or bulb and record daily observations within a diary.

To plant seeds to grow fruits and vegetables

Key Vocabulary

Key Vocabulary	Definition
Bulb	a root shaped like an onion that grows into a flower or plant.
Crop	Plants such as wheat and potatoes that are grown in large quantities for food
Flower	the part of a plant which is often brightly coloured and grows at the end of a stem.
Flowering	trees or plants which produce flowers
fruit	Something which grows on a tree or bush and which contains seeds or a stone covered by a substance that you can eat.
Leaf/leaves	the parts of a tree or plant that are flat, thin, and usually green
Nutrients	Substances that help plants and animals to grow.
petal	thin coloured or white parts which form parts of the flower
Plant	an ocean is a large area of water between continents
Reproduce	When an animal or plant produces one or more individuals
Roots	the parts of a plant that grow under the ground
seed	The small, hard part from which a new plant grows
stem	The thin, upright part of a plant on which the flowers and leaves grow
vegetable	Plants such as cabbages, potatoes and onions which you can cook and eat.