

Science Knowledge Organiser: Year 2 - Autumn Term

Plants – *How do plants grow?*

What we already know:

- Most plants start growing from a seed or a bulb.
- All plants need water, light and warmth to grow and survive.
- How plants get what they need to survive.

Key Vocabulary:

- *Reproduction
- *Germinate (germination from
- *Generations
- *Flowering

What we are going to learn:

- All flowering plants make seeds (reproduction) that can grow (germinate) into new plants.
- Plants need water, light and a suitable temperature to grow and stay healthy
- Some plants die after it has produced its seed and sometimes the plant lives for many generations producing seeds each year
- Observe and describe how seeds and bulbs grow into mature plants
- Find out and describe how plants need water, light and a suitable temperature to grow and stay healthy.

What we are going to learn next time: Year 3

- Plants do not eat food so have to make their own.
- This food provides them with energy, and materials to grow
- To make the food (sugar) plants need water from the ground, carbon dioxide from the air and light from the sun.
 - The water is taken up through the roots from the soil
 - The carbon dioxide is taken in through the leaves
- As well as food, plants also make oxygen which is given out back into the air through the leaves