



WHAT SHOULD I ALREADY KNOW?

I know that seeds and bulbs grow into mature plants.

I know that plants need water, light and a suitable temperature to stay healthy.



WHAT WILL I LEARN?

What does each part of a plant do?

Leaves help make food for the plant using sunlight.

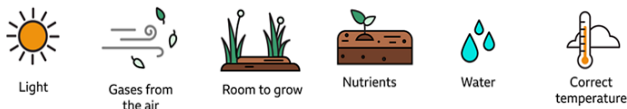
Flowers make seeds and their petals attract **pollinators**.

Roots absorb water and **nutrients** from the soil and anchor the plant into the ground.

The **stem** transports water to the leaves and holds the plant up.

A **trunk** is the stem of a tree.

What do plants need for life and growth?



How are seeds dispersed?



SIGNIFICANT SCIENTIST

George Washington Carver discovered that planting certain crops could increase the nutrients in the soil and keep it healthy. This is now named crop rotation.



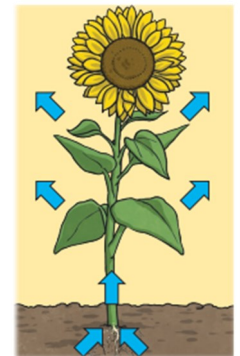
VOCABULARY

NUTRIENTS	Substances that are needed by living things to grow and survive.
GERMINATION	When a seed starts to grow
SEED DISPERSAL	Moving the seeds away from the parent plant so that they can grow new plants.
POLLINATION	When pollen is moved from a male part of a plant to a female part of a plant.
TRANSPORTATION	The movement of water and necessary nutrients to all parts of the plant for its survival.

How is water transported through a plant?

- 1) The roots absorb water from the soil.
- 2) The stem transports the water to the leaves.
- 3) Unused water leaves the plant through the leaves.

The water is sucked up the stem like water being sucked through a straw.



WORKING SCIENTIFICALLY

1. Observing changes over time
2. Pattern Seeking
3. Identifying, Grouping & Classifying
4. Fair Testing
5. Research



CONNECTING CONCEPTS

ASK QUESTIONS	I will ask different questions about plants and their needs. I will research a variety of plants needs.	PLAN & SET UP ENQUIRY	I will plan an enquiry to monitor the growth of plants in different conditions.
MEASURE 	I will measure the growth of different plants in different conditions	REPORT 	I will create a growing guide for different plants based on my findings.