

# Merry Hill Infant School and Nursery - Knowledge organiser

## Science

**Topic: Plants**

**Year Group : 2**

**Term: Spring 2**

### Key Knowledge

How do we know plants are alive?

- Plants are living things. They can
- Move
  - Grow
  - React to their surroundings (senses)
  - Absorb nutrients (get energy from food)
  - Reproduce
  - Respire
  - Excrete

What do seeds need to germinate?

- Warmth
- Air (oxygen)
- Water
- Seeds don't need light because they already have a store of food inside them.



What does a plant need to survive and grow?

- Water
- Light—plants make their own food in their leaves using sunlight.
- Suitable temperature
- Air

**Seed**—The small, hard part from which a new seed grows.



**Bulb**—A root shaped like an onion that grows into a flower or plant.



### Key Vocabulary

<b>Conclusion</b>	The final result of something.
<b>Germination</b>	When a seed starts to grow.
<b>Method</b>	A way of doing something.
<b>Nutrition</b>	Food or nourishment. They help plants and animals to grow.
Observe	To look at something closely.
Plant	A living thing that usually grows from the ground.
<b>Predict</b>	To say what you think will happen.
<b>Reproduce</b>	When living things make a new living thing of the same kind.
Respire	To breathe.
Survive	Continue to live or exist.
Temperature	How warm or cold something or somewhere is.

### Dr Meg Lowman

'Canopy Meg' Meg was the first scientist to build canopy walkways so she could observe the living things in the top part of trees. Now she is helping to protect forest canopies to save the wildlife and plants that live there.



### Wangari Maathai

'Women of Trees' Wangari Maathai was an environmentalist from Kenya, Africa. She campaigned against people who were cutting down trees. She won a Nobel peace prize for her work.

