

All children – regardless of gender, starting point or background – will have the opportunity to engage with a high-quality science education. They will be equipped with the knowledge, skills and vocabulary to understand how science can be used to explain what is occurring, predict how things will behave and analyse caused. We intend to inspire a sense of enjoyment and curiosity about science.

Plants

Spring 2

Igniting Prior Knowledge:

Nursery—Life Cycles

Year R— Growth and Caring for living things

Year 1—Plants

Key Vocabulary:

- Light
- Shade
- Healthy
- Germinate
- Seedlings
- Mature
- Thrive



New Knowledge:

- Plants may grow from either seeds or bulbs.
- Seeds and bulbs have a store of food inside them.
- These then germinate and grow into seedlings which then continue to grow into mature plants.
- Most seeds need warmth and water to germinate and grow into seedlings, which then continue to grow into mature plants.
- Mature plants may have flowers which then develop into seeds, berries, fruits etc.
- Plants need sunlight to grow and thrive.
- Plants need the right amount of water and the right temperature to grow well and stay healthy.
- Most seeds need warmth and water to germinate, but do not need light.
- Plants are important for providing habitats for a huge number of different species.
- It is important to protect and care for plants and our environment.