

## Science

Subject: Science

Year group: 1/2

Cycle: Spring CYCLE B

Focus: Plants **Biology** 

#### Intent

To develop—regardless of gender, ability or background -children with knowledge and understanding of advances in science, famous scientists, important discoveries and scientific vocabulary, so that children are excited by science.

### Specific Knowledge—Key Vocabulary

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Word	Definition
Plant	A plant is a living organism.
Stem	The upright main stalk of a plant.
Root	The part of the plant that grows under the ground.
Leaf	These are flat, thin and usually green.
Flower	The part of a plant that is often brightly coloured.
Bud	Growth on a plant that develops into a stem, leaf or shoot.
Seedling	A young plant that has grown from a seed.
Germinate	When a seed begins to grow its shoots. Seeds need warmth and water to germinate.

#### **Pre Learning Recap**

What are deciduous and evergreen plants?. Name the basic parts of a flowering plant and tree.

#### **Enabling Knowledge**

- To name and label the basic parts of a flowering plant and tree.
- To know what a plant needs to survive, and understand that different plants need different amounts of sunlight, light, soil etc..
- To understand how a seed or bulb germinates to grow into a mature plant.
- To set up an investigation to find out what a seed needs to grow.
- Observe the seed over time and record the results.
- Set up a comparison investigation for plants growing in the sunlight vs darkness.

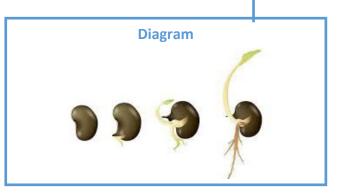


# David **Douglas**



#### **Scientists/Innovators**

David Douglas was a Scottish (1799-1834) botanist, best known as the namesake of the Douglas-fir. He worked as a gardener, and explored the Scottish Highlands, North America and Hawaii.



Assessment—apply learning: 1) Describe how seeds and bulbs grow into mature plants. 2) Describe how plants need water, light and a suitable temperature to grow and stay healthy.