



Year 2



### Statutory Requirements:

- 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

### Working Scientifically:

- Asking simple questions and recognising that they can be answered in different ways
- Observing closely, using simple equipment
- Performing simple tests
- Identifying and classifying
- Using their observations and ideas to suggest answers to questions
- Gathering and recording data to help in answering questions

### Key Knowledge:

- Seeds and bulbs require water to grow but not light. They contain their own food.
- Different seeds and bulbs grow into different types of plant.
- The process when a seed begins to grow is known as germination.
- Plants require water, light and a suitable temperature to grow and stay healthy.
- A fruit is the part of a plant that contains seeds for a plant's offspring.

### Key Vocabulary:

- |               |                |          |
|---------------|----------------|----------|
| ➤ Seed        | ➤ Light        | ➤ Fruit  |
| ➤ Bulb        | ➤ Temperature  | ➤ Roots  |
| ➤ Plant       | ➤ Soil         | ➤ Leaves |
| ➤ Germination | ➤ Garden Plant | ➤ Stem   |
| ➤ Sapling     | ➤ Wild Plant   | ➤ Bud    |
| ➤ Stalk       | ➤ Sow          | ➤ Flower |
| ➤ Water       | ➤ Tree         |          |

### Key Scientists:



#### Classic

**Barbara McClintock (1902 – 1992)**

American scientist and cytogeneticist.



#### Classic

**Joseph Banks (1743 – 1820)**

British naturalist, botanist and patron of natural sciences.



#### Contemporary

**Tim Smit (1954 –)**

Co-founder of the Eden Project.