Coley Primary School – Knowledge Organiser

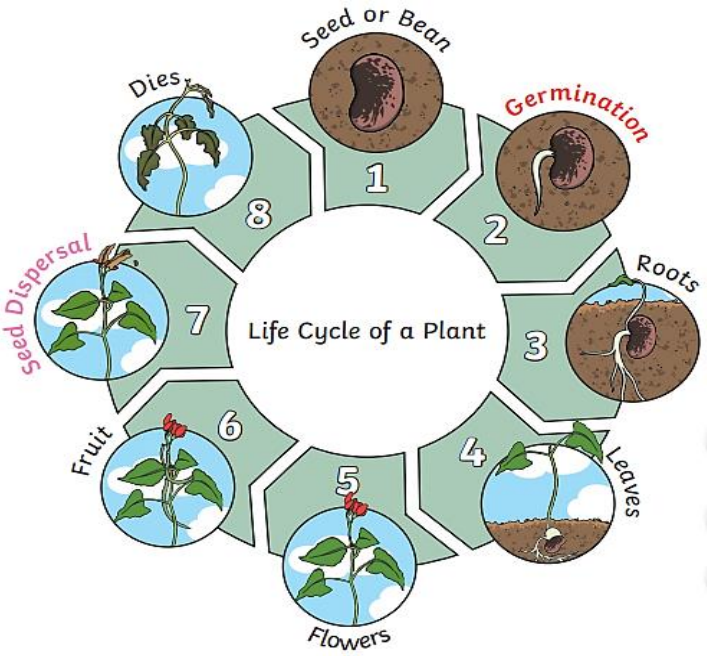
SUBJECT FOCUS: Biology Strand	Science: Plants	YEAR 2	TERM 5

WHAT? – Key Knowledge

- 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.
- Understand a simple food chain, and identify and name different sources of food.
- Use scientific language: say, read and spell scientific vocabulary

Amazing Facts

Germination	When the conditions are right, the seed soaks up water and swells, and the tiny new plants burst out of its shell. This is called germination. **To germinate**, seeds need: **warmth, air (oxygen) and water.**
Sprout	Fox, rabbit, owl, hedgehog, squirrel Fir tree, oak, fern
Shoot	Shark, dolphin, starfish, clownfish, coral, seaweed
Seed dispersal	Another word for a living thing, including plants and animals.



Working Scientifically Challenge:

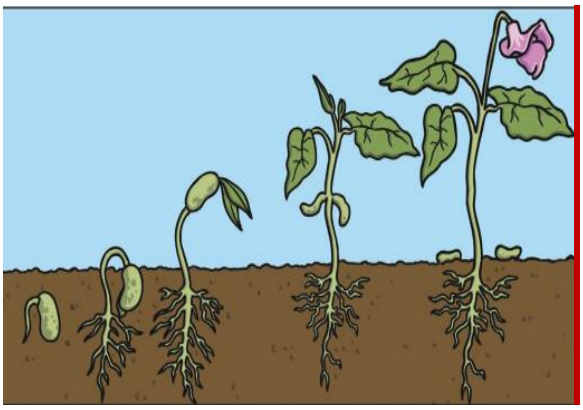
- Can they suggest more than one way of grouping plants and explain their reasons?
- Compare how plants grow in different conditions by making measurements.
- Can they describe how plants are suited to their habitat?
- Identify and compare a variety of plants.

WHAT? – Key vocabulary

Leaf, leaves, stem, roots, flower, petal, bulb, seed, trunk,growth,
Sunlight = All plants need lots of sunlight. Some plants only need a little sunlight.
Water = All plants need water to grow. Without water, seed and bulb will not germinate.
Temperature = Temperature is how warm or cold something is.
Nutrition: Food or nutrition. Plants make their own food in their leaves using sunlight.

Diagrams and symbols

Watch me grow:



I wonder…

- Can they describe what plants need to survive and link it to where they are found?
- Can they explain that plants grow and reproduce in different ways?
- Can they identify plants by specific criteria?

Possible experiences: *Curious minds…*

- **Plant Detective**: Find out what happens when you keep plants in different conditions. Record and take pictures of what you notice.
- **All About Plants (Ways Into Science),** by Peter Riley.
- **Stems, Leaves and Flowers: All About Plants**, by Ruth Owen