

Science Overview – Plants

Year Two

Autumn Term

Key Question: Where does food come from?

National Curriculum

- 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.

SUBSTANTIVE KNOWLEDGE

- 1) Know and identify the different stages of the life cycle of a plant.
- 2) Know that plants grow from seeds/bulbs.
- 3) Know what is inside a seed/bulb to help it grow.
- 4) Know what happens during germination.
- 5) Know that seed dispersal might be the start of the plant life cycle.
- 6) Know and describe the conditions a plant needs to stay healthy.
- 7) Know what a healthy plant looks like.

Key Vocabulary

germination, shoot, seed dispersal, sunlight, water, temperature, nutrition

Previous year groups key vocabulary:

roots, stem, leaves, flowers, petals, fruit, seed, bulb, wild plants, garden plants, weed, deciduous, evergreen

Disciplinary Concepts

- asking simple questions and recognising that they can be answered in different ways
- using their observations and ideas to suggest answers to questions

Enquiry type to cover and enquiry suggestion

Comparative and fair testing (enquiry type)
Do cress seeds grow quicker inside or outside?

Learning Milestones /Assessment

- I can...
- Name three things that plants need to stay healthy.
 - Identify the signs of a healthy plant.
 - Describe the life cycle of a plant.
 - Match pictures of the plant life cycle to the correct stage.
 - Explain what seed dispersal means.