

SCIENCE: THE APPRENTICE GARDENER

Key Vocabulary

seeds, plant, apprentice, gardener, bulb, grow, observe, observe, describe, identify, expert, question, predict, water, compare, answer, investigate, bean, soil, surface, test, bury, light, dark, water, germinate, fair, plan, suitable, root, shoot, leaves, change, evidence, height, tallest, shortest, bar chart, pattern, question, connection, measure, mature plant, healthy, unhealthy, warmth, care, die, agree, disagree, alive, food store, first, next, later, order, conclusion, because

Must – know knowledge

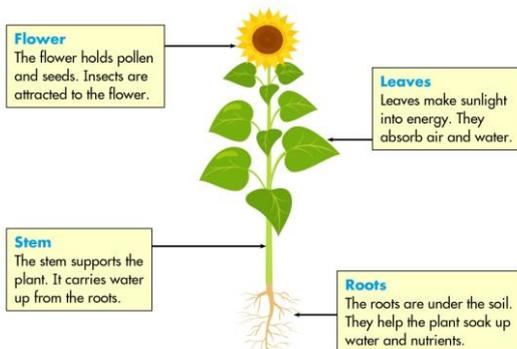
By the end of the unit, children will know:

- Identify plants, name their parts and observe seasonal changes.
- Growing bulbs and plants.
- Learn the sequence of germination.
- Compare and contrast what is needed to germinate seeds.
- Learn the life cycle of a flowering plant and seed production.
- Where and when to grow vegetables to eat.

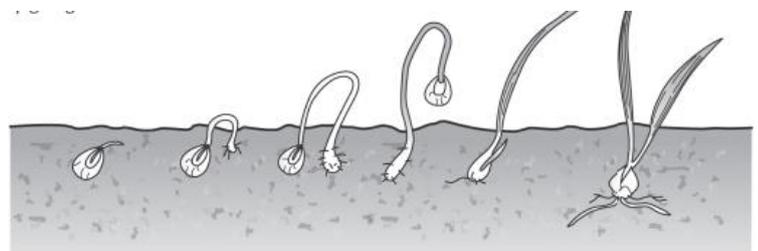
Working Scientifically

- Observe changes over time.
- Identify and classify.
- Research using secondary sources.
- Record series of observations using labelled drawings and photographs.
- Make predictions at the start and end of investigations.
- Plan and carry out tests to compare.
- Find patterns.
- Collect and present data.

Parts of a plant



Seed germination process



Experiments:

Which seeds will grow? Does it matter which way up we plant seeds?