

Plants

Environment



Prior Knowledge

Year 1: Identify and name a variety of common wild and garden plants, including deciduous and evergreen trees.

Identify and describe the basic structure of a variety of common flowering plants, including trees.

Where next? Future learning

Year 3: Identify and describe the functions of different parts of flowering plants: roots, stem/trunk, leaves and flowers.

Explore the requirements of plants for the life and growth (air, light, water, nutrients from soil and room to grow) and how they vary from plant to plant.

Investigate the way in which water is transported within plants.

Explore the part that flowers play in the life cycle of flowering plants, including pollination, seed formation and seed dispersal.

Year 4: Recognise that living things can be grouped in a variety of ways.

Explore and use classification keys to help group, identify and name a variety of living things in their local and wider environment.

Recognise that environments can change and that this can sometimes pose dangers to living things.

Year 5: Describe the life process of reproduction in some plants and animals.

Year 6: Describe how living things are classified into broad groups according to common observable characteristics and based on similarities and differences, including micro-organisms, plants and animals.

My Component Knowledge:

Lesson 1: I can begin an investigation.

Lesson 2: I can describe and explain an investigation.

Lesson 3: I can explain the life cycle of a plant.

Lesson 4: I can identify similarities and differences between plants.

Lesson 5: I can draw conclusions from an investigation.

Lesson 6: I can explain where food comes from.

My Composite Knowledge:

I can understand that plants have basic needs for survival.

I can understand the life cycle of a plant and the conditions for growth.

My Powerful Knowledge:

I understand how to care for plants and the stages of development that they will go through.

Key Vocabulary

Tier 1: Grow, plant

Tier 2: Fruit, seed, bulb, shoot, sprout, temperature, seed dispersal, roots, soil, flower, sunlight, leaves, seedling

Tier 3: Germination, nutrition



Can we create an investigation?

What do plants need to grow?

What is the life cycle of a plant?

