pansy

rose

daffodil

Garden plants

Science Knowledge Organiser
Year: 1   Term: 5
Topic: Plants
Plant structure
Identifying and sorting plants
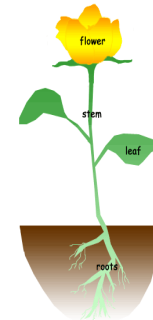

clover

buttercup

daisy

nettles

Wild plants

Prior knowledge/key knowledge

Prior knowledge from Reception	Making observations and drawing pictures of plants. Notice the seasonal changes to plants.

Key knowledge

Identify and name a variety of common wild and garden plants, including deciduous and evergreen trees	Identify plants and trees in the school grounds such as daffodil, rose, ivy, sunflower, poppy, dandelion, daisy, clover, buttercup, elder tree, apple tree, spruce. Be able to use an identification guide.
Identify and describe the basic structure of a variety of common flowering plants, including trees	Draw a diagram of a plant and a tree and label the basic structures (see vocabulary).

Vocabulary

evergreen	An evergreen tree keeps its leaves all year round.
deciduous	A deciduous tree loses its leaves every year, usually in Autumn
leaves	The leaves catch sunlight and turn it into food to help the plant grow.
flowers	Flowers attract insects and birds
petal	The colourful part of a flower
fruit	Contains the seeds for the flower
root	Holds the plant in the ground and takes the water and nutrients from the soil
bulb	Grows into a plant
seed	Grows into a plant
trunk	The stem of a tree
branch	Grows from the trunk and has leaves on it.
stem	Holds the flower up and takes water to the leaves
wild plant	Their seeds grow where they land without help from people
garden plant	Plants that are chosen and planted by people

Key skills /investigative focus

Investigative focus	How can we Identify a plant or a tree?

observing closely, using magnifying glasses,

comparing and contrasting familiar plants

drawing diagrams showing the parts of different plants including trees.
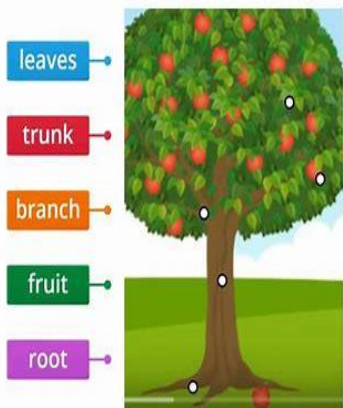
Big Questions/Challenging Perceptions

Why don't all plants look the same? What would happen if they did?

Common Misconceptions

Trees, grass, vegetables, and weeds are not plants.

Leaves take in water.

Trees lose their leaves due to the tree dying.

leaves
trunk
branch
fruit
root

spruce

Elder tree