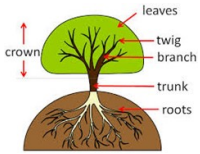
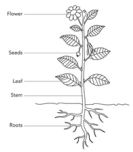
Newport Infant School—Science Knowledge Organiser

Topic: Plants	Year 1	Strand: Biology

What should I already know?

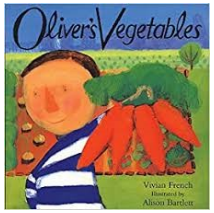
I can talk about my observations of plants with a developing understanding of growth, decay and changes over time. Experience of planting and caring for different types of plants. To know that some plants are similar and some are very different. To know some ways to care for plants.

What I will know by the end of the unit

The names of some common garden plants  	People may grow plants in their gardens and care for them. They may grow flowering plants which are beautiful to look at or beans and seeds to grow plants for food. When plants are grown for food, this may be called a herb garden or vegetable patch.
The names of some common wild plants	A wild plant will grow by itself. It does not need to be cared for. If it grows somewhere unwanted, it may be a weed.
Deciduous trees  Evergreen trees 	Deciduous trees loose their leaves in autumn every year. Their leaves are generally broad, flat and have veins running through them. Evergreen trees have green leaves all year round. Their leaves are generally thick, waxy and narrow like needles.
What are the parts of common trees and plants	 

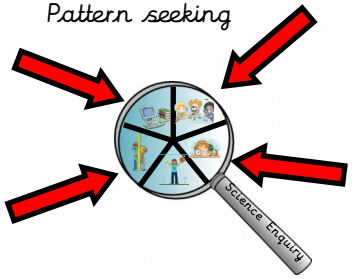
Investigate!

- Use Oliver's Vegetables to introduce topic
- Parts of a plant and their functions.
- Go on a wild plant hunt
- Tree hunt and identification. Sort leaves between deciduous and evergreen trees.
- Label the parts of a plants and tree.



Science Skills

- Sorting and classifying
- Observation
- Research
- Pattern seeking



Vocabulary

branches	Parts that grow out from the tree trunk and have leaves, flowers , or fruit growing on them
bulb	A root shaped like an onion, grows into a flowering plant
common	Something that is found in large groups or happens often
deciduous	A tree that looses its leaves in the autumn every year
evergreen	A tree or bush which has green leaves all the year round
flower	The part of a plant which is often brightly coloured and grows at the end of the stem
flowering	Trees or plants which produce flowers
fruit	Something that you can eat which grows on a tree or bush and which contains seeds or a stone
garden	A space to grow flowers, grass, plants and vegetables
herb	A plants whose leaves can be used to flavour food and to eat or as medicine
Leaf/leaves	Usually flat and thin growing from the branch or stem
petal	Coloured part of the flower
plant	A living thing that grows in the earth and has a stem, leaves and roots
roots	The parts of a plant that usually grow under the ground
seed	The small, hard part from which a new plant grows.
stem	Upright part of plant that the flowers and leaves grow on
tree	A tall plant that has a hard trunk, branches, and leaves
trunk	The large main stem from which the branches grow
vegetable	Plant parts which you can eat, e.g. cabbage, onions
vegetation	Plants, trees and flowers
weed	A wild plant that grows in gardens that can prevent the plants that you want from growing properly
wild	Animals or plants that live or grow in natural surroundings and are not looked after by people