

Jeavons Wood Primary School – Science Knowledge Organiser

Topic: Plants

Year: 1

Strand: Biology

Big Question: What's growing in our gardens?

What should I already know?

- Develop an understanding of growth.
- Shows care and concern for living things and the environment.
- Make observations of plants and explain why some things occur, and talk about changes.
- Can talk about some of the things they have observed, such as plants.

What will I 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.



vegetable patch



rose



poppy



sunflower

The names of some common wild plants

*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.



dandelion



daisy



buttercup



nettle



clover

Deciduous and evergreen trees

*Deciduous trees lose their leaves in the 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.



deciduous



evergreen

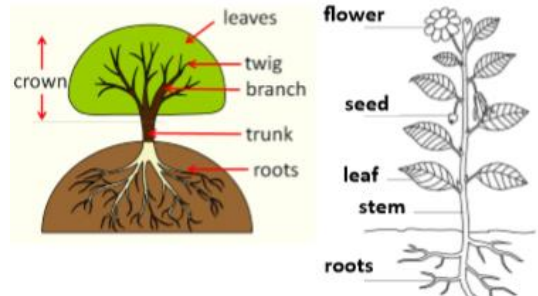
Where will my learning go next?

In Yr 2: Observe and describe how seeds and bulbs mature into plants. Find out and describe how plants need water, light and a suitable temperature to grow.

In Yr3: Identify and describe the functions of different parts of flowering plants: roots, stem/trunk, leaves and flowers. explore the requirements of plants for life and growth 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.

Diagrams

What are the parts of common trees and plants



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 that grows into a flower or plant
common	something that is found in large numbers or it happens often
deciduous	a tree that loses 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 a stem
flowering	trees or plants which produce flowers
fruit	something which grows on a tree or bush and which contains seeds or a stone covered by a substance that you can eat
garden	a piece of land next to a house, with flowers, vegetables, other plants, and often grass
herb	a plant whose leaves are used in cooking to add flavour to food, or as a medicine
leaf/leaves	the parts of a tree or plant that are flat, thin, and usually green
petal	thin coloured or white parts which form 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 grow under the ground
seed	the small, hard part from which a new plant grows
stem	the thin, upright part of a plant on which the flowers and leaves grow
tree	a tall plant that has a hard trunk, branches, and leaves
trunk	the large main stem from which the branches grow
vegetable	plants such as cabbages, potatoes, and onions which you can cook and eat
vegetation	plants, trees and flowers
weed	a wild plant that grows in garden and prevents 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