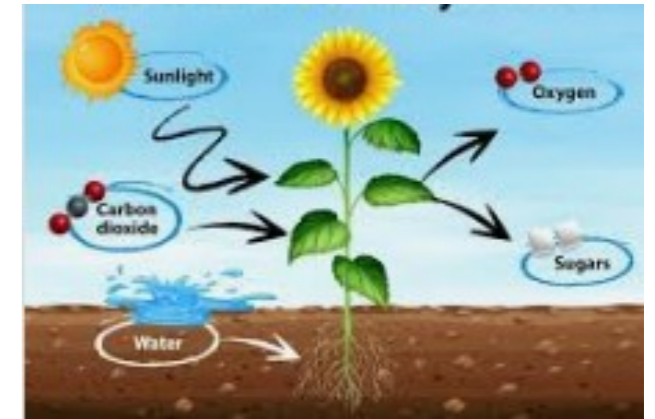


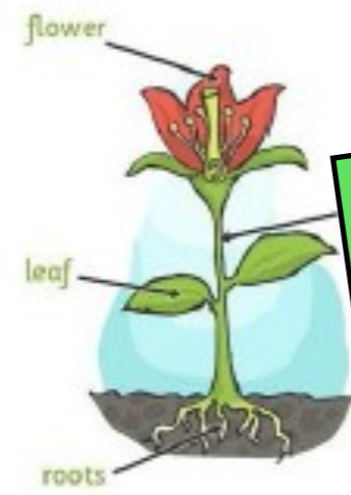
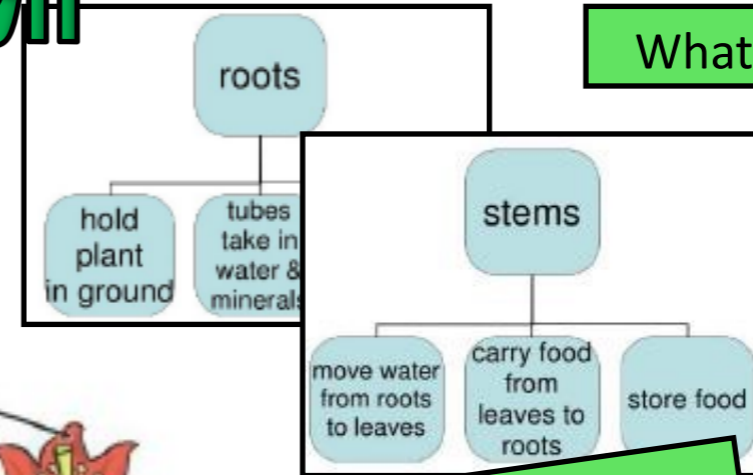
Down at the bottom of the garden

Powerful Knowledge

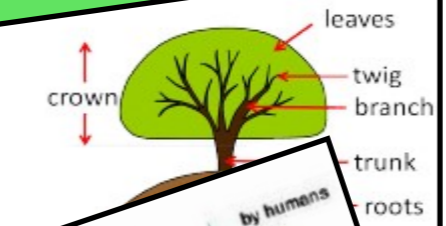
What do plants need to grow?



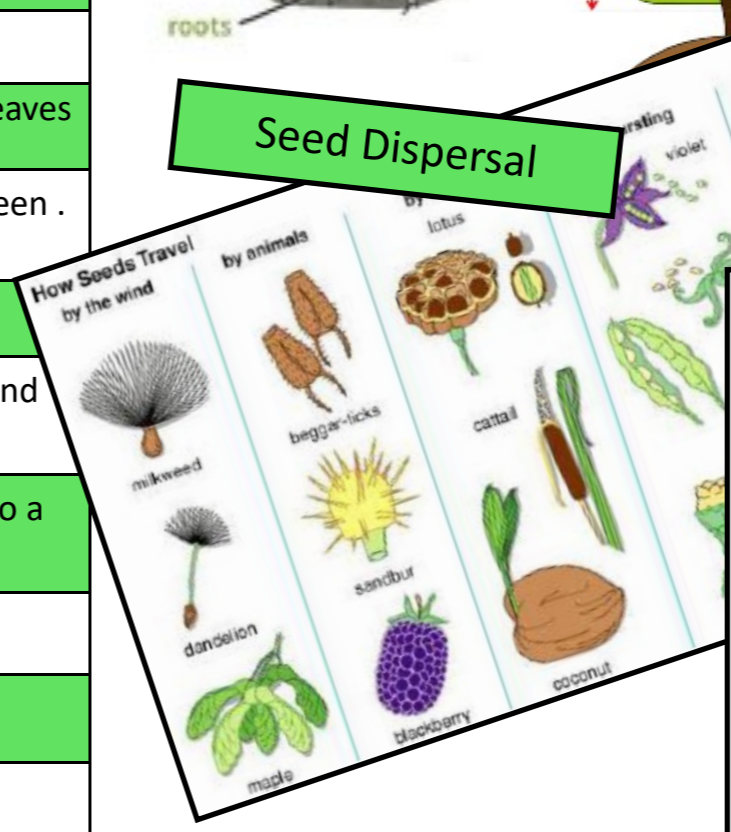
Glossary	
Term	Definition
Seed	The small, hard part from which a new plant grows .
Grow	Animals and plants get bigger and change over time.
Plant	A living thing that grows in the earth and has a stem, leaves, and roots .
Bulb	A root shaped like an onion that grows into a flower or plant .
Flower	The part of a plant which is often brightly coloured and grows at the end of a stem .
Root	The parts of a plant that grow under the ground .
Petal	Thin coloured or white parts which form part of the flower .
Stem	The thin, upright part of a plant on which the flowers and leaves grow .
Leaf	The parts of a tree or plant that are flat, thin, and usually green .
Tree	A tall plant that has a hard trunk, branches, and leaves .
Wild	Animals or plants that live or grow in natural surroundings and are not looked after by people .
Germination	The process by which a seed begins to grow and develop into a plant .
Seed Dispersal	Dispersal means to spread or scatter their seeds .
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.
Function	The job of the part of the plant.
Change	When something is no longer the same.



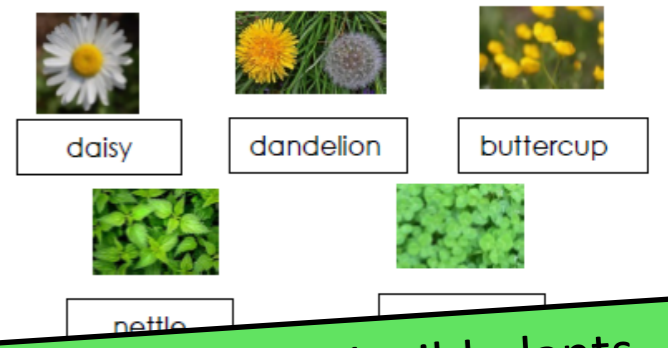
Parts of the plant/tree and their function



Seed Dispersal

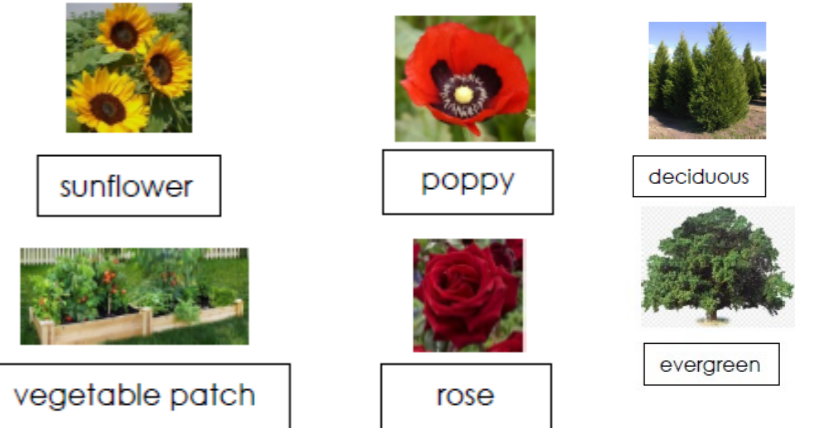


Wild plants will grow by themselves. They do not need to be cared for. If they grow somewhere unwanted, they may be a weed.



Common and wild 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.



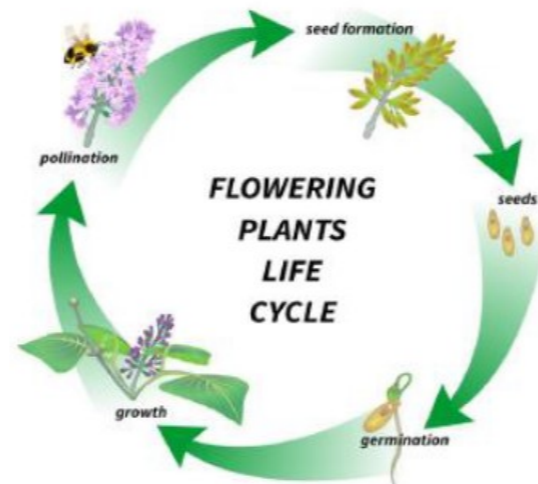
Deciduous	A tree that has leaves which drop off every year	Evergreen	Tree, bush or plant which does not lose its leaves and stays green year round
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Down at the bottom of the garden

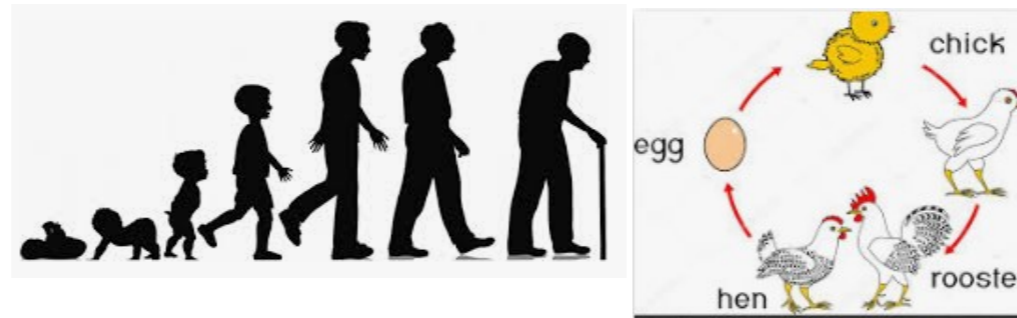
Fruit or Veg?

FRUIT VERSUS VEGETABLE	
FRUIT	VEGETABLE
	
A sweet fleshy matured ovary of a plant, which contains seeds	A part of a plant used as a food
Contain seeds either inside or outside the fruit	Do not contain seeds
Have a sweet taste	Distinct in taste - can be sweet, salty, sore or bitter
Color can be red, orange, yellow, green, purple, blue or black	Mostly green in color
Rich in fiber, vitamin C, and water	Supply fiber, vitamins, minerals, and trace elements
Facilitate the sexual reproduction of plants by bearing seeds	Involved in vegetative reproduction
	Visit www.PEDIAA.com

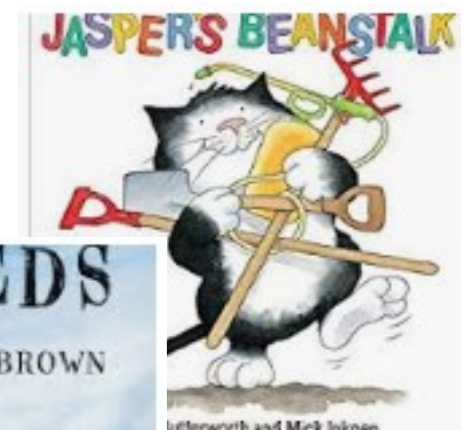
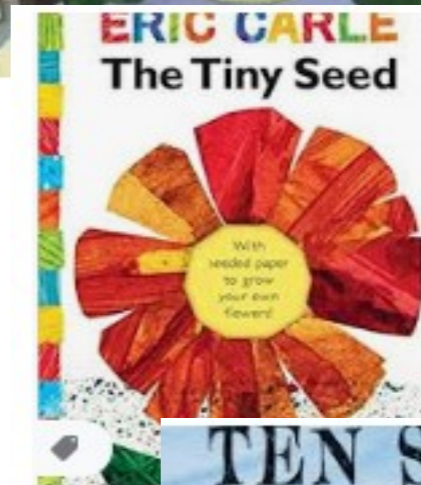
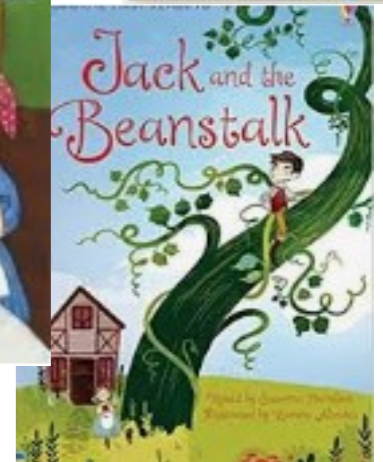
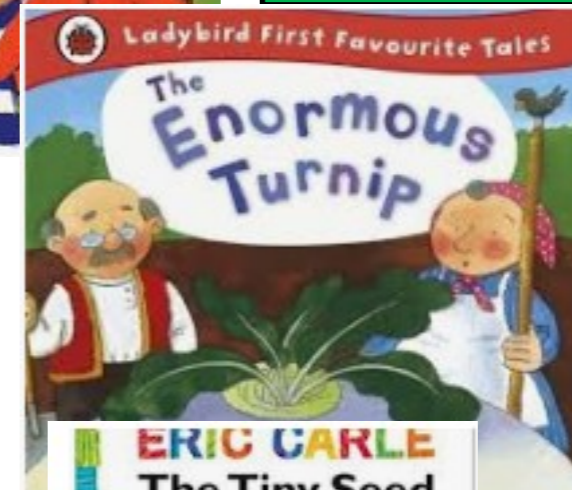
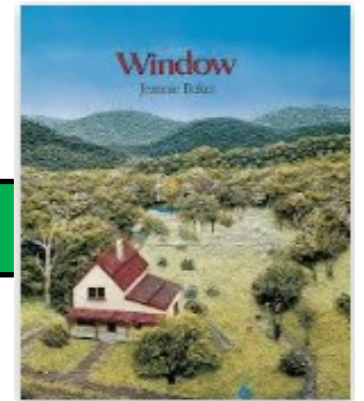
Raw or cooked? Changing state



Lifecycles



Key Texts



Environmental Issues

Plant protection

https://www.youtube.com/watch?time_continue=3&v=Cg_LaG7u7M8&feature=emb_logo



Deforestation

https://www.youtube.com/watch?v=80CMUCAN50A/7H5h2DqD7hg&v=Vf0xkdeGg&feature=emb_rel_end

The Arts

Van Gogh—Sunflowers



David Hockney—Spring



Andy Warhol—Flowers



How Does My Garden Grow?
Gerda Muller



Down at the bottom of the garden

Connectivity

Prior learning

- Habitats
- Tasting food
- Healthy eating

Current learning

- ♦ What does a plant need to grow?
- ♦ Can you label the parts of a plant and describe its function?
- ♦ Can you name some wild plants?
- ♦ How do wild plants spread?
- ♦ Can you classify different types of trees in the locality?
- ♦ Are trees plants?
- ♦ Are vegetables plants?
- ♦ Do all fruit and vegetables grow below the ground?
- ♦ What is the difference between fruit and vegetables?
- ♦ What is the lifecycle of a plant? How is this similar to other lifecycles?
- ♦ How can we protect our environment?
- ♦ What do plants do for the environment and how can we help?

Future learning

- Lifecycles
- Habitats
- Rocks and Soils
- Plants
- Classification



Curricular links:

Science—Plants, changing state.

Geography—Rocks and Soils, deforestation

Art and Design— Famous Artists



Use of this document

Reach2 would like to acknowledge that the pictures and information contained in this knowledge organiser have been sourced from a variety of websites and did not produce the original content but did in fact put it together to form a topic overview and support for teachers.

Websites used include (although, this is not an extensive list):

- Google images
- TES
- Twinkl
- <https://gonvilleacademy.croydon.sch.uk/wp-content/uploads/2019/09/Year-1-and-2-Knowledge-Organiser.pdf>
- <https://www.bbc.co.uk/programmes/articles/Mf5rhbTkHLZ3fbJzScyDvC/primary-science-plants>
- <https://pediaa.com/difference-between-fruit-and-vegetable/>
- <https://www.botanicalartandartists.com/famous-botanical-artists.html>