

Knowledge Organiser

Y3

Plants

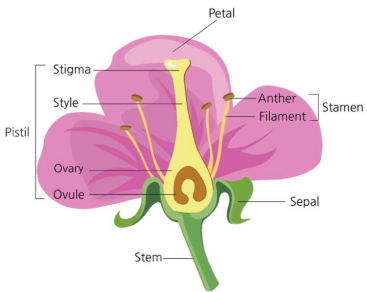
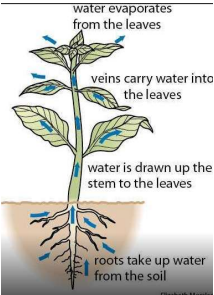


Famous Scientist – Elizabeth Gertrude Britton

Elizabeth Gertrude Britton was a famous botanist and educator. She is most known for the creation of the New York Botanical gardens. She was an avid activist for the protection of wildflowers and her research led to the implementation of laws to protect them.



Key Vocabulary	
bulb	A rounded, underground storage, which contains the plant
seed	The end product of the plant life-cycle which can create a new plant
common	Occurs often
deciduous	Shedding its leaves every year
evergreen	Having foliage that remains green in more than one season
trunk	The woody stem of a tree
dispersed	Spread over a wide area
transport	Move through
nutrients	What a plant needs to survive

Key Knowledge			
Know the purpose of flowers for a flowering plant	Know the parts and functions of a flowering plant	Investigate how water is transported through plants	Understand what plants need to be able to grow.
			
The flower head of a flowering plant plays a key role in the life-cycle. The flower head is where the seeds are stored and these are dispersed when a flower dies. The seeds spread over the soil and will eventually grow into new flowers.	Flowering plants have both female and male parts. The stigma is the female part of a flower and the stamen is the male part. When pollen is taken from the anther on the stamen placed on the stigma, pollination occurs.	Roots absorb water from the soil where the plant is planted. Then, the water travels through the plant to the stem. Water is sucked up through the stem and then the stem passes water on to the leaves.	Plants need warmth to be able to germinate but they need water, soil, air and sunlight to grow and be healthy.