

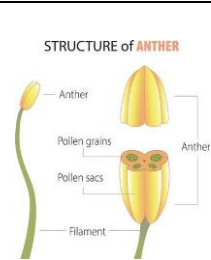
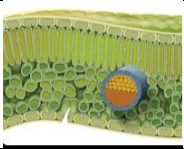
Plants

Prior Knowledge

You will have learned about what makes a plant a plant in Year 1.

In Year 2 you will have observed plants in the local environment at different times in the year. You will also have investigated how to grow plants in Year 2.

Key Vocabulary:

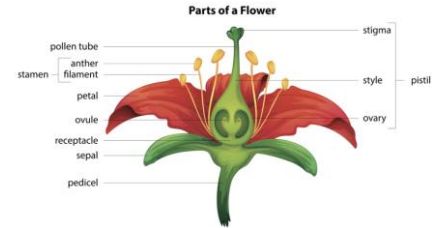
fertiliser		substances added to the soil or sprayed on the leaves of plants to keep them well	anther	 STRUCTURE of ANTHOR	the part of a stamen that produces and contains pollen and is usually borne on a stalk
potassium		a metal that is used in fertilising crops	filament		the stalk of a plant stamen that bears the anther
chlorophyll		captures the sun's rays and creates sugary carbohydrates or energy, which allows the plant to grow	stomata		tiny openings or pores, found mostly on the undersurface of a plant leaf and used for gas exchange
photosynthesis		the process in which green plants use sunlight to make their own food	transpiration		the process of water movement in a plant
xylem		carries water from the roots to all parts of the tree or plant	pollen		a fine powder produced by certain plants
phloem		a tissue where substances can flow up and down to carry the food throughout the plant	nectar		a liquid produced by the flower of plants

Key learning:



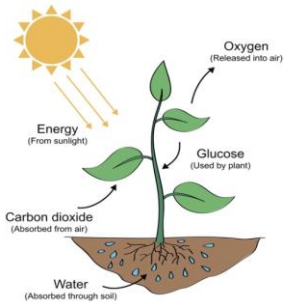
Week 1: Compare the effects of different factors on plant growth

How do we investigate what factors affect plant growth?



Week 4: Explore the part that flowers play in the life cycle of flowering plants

How do flowering plants reproduce?



Week 2: Describe the functions of different parts of a flowering plant and how they are used in photosynthesis

How are the different parts of a flowering plant used in photosynthesis?



Week 5.1: Understand pollination the ways in which seeds are dispersed

What is pollination?



Week 5.2: Understand the ways in which seeds are dispersed

What different ways can plants disperse seeds?



Week 3: Investigate the way in which water is transported within plants

How is water transported in plants?

Week 6: Compare the effect of different factors on plant growth

What factors affect plant growth?

Next Steps

In Year 4 you will learn more about plants and their role in biodiversity and how we care for the environment.