Knowledge Organiser - Science - Plants- Key

Careers connected to plants: horticultural management, plant biologist, plant pathologist



Stage 1 (Year 1) What I already know Core Learning Sticky Learning Life Cycle of a Plant What Plants Need to Grow 1. To begin to know some I have explored the A plant germinates when it starts to grow. differences between natural world around Plants need water to survive. Inside a seed/bulb is the baby plant. seeds and bulbs. Plants get water through their me, making Seeds are covered with a seed coat. roots. observations and Seeds need the right conditions Plants need the right drawing pictures of to grow. Seeds need water, temperature to grow. animals and plants. air and the right I know some Plants need sunlight to help them temperature grow and make their own food. similarities and to grow. differences between Plants need room to grow. Plants the natural world need time to grow. It can take days, months or even years for around me and Life Cycle of a Plant them to grow. contrasting Plants begin life as seeds or bulbs. They need soil, environments, drawing air and water to grow. Plants grow into young on my own plants called seedlings. Plants experiences and what grow flowers and fruits. has been read in class. These produce • I understand some seeds. When the Sunflower Life Cvcl important processes plant is pollinated, and changes in the the seeds find natural world around their soil. The me. process starts

again!

2. To begin to design an experiment to find out what plants need to grow.

3. To name what plants need to grow and stay healthy.

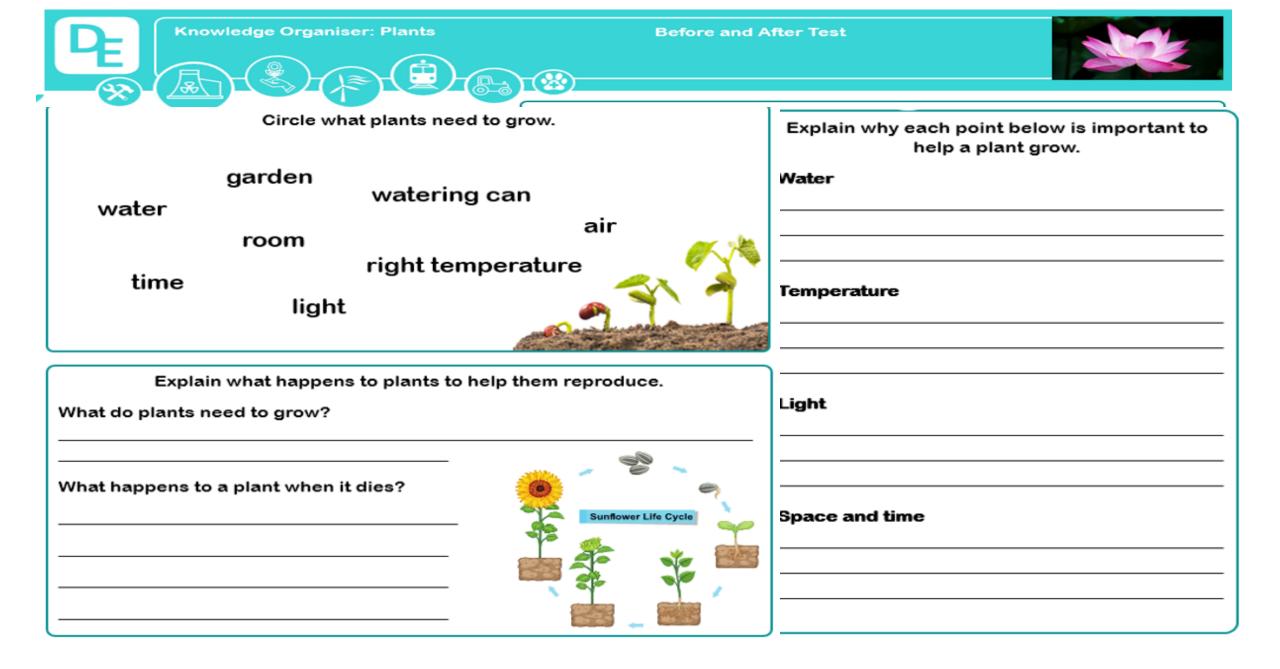
4. To describe the life cycle of a plant.



5. To observe and record the growth of plants over time.



6. To begin to understand that plants adapt to suit their environment.



Unit Rocket Words: Year 2 - Plants	
Rocket Words	
photosynthesis	the process in which green plants use sunlight to make their own food
carbon dioxide	plants use this to make their own food in a process called photosynthesis
oxygen	one of the main gases that make up air
glucose	a sugar that plays a vital role in the metabolism of most living organisms
pollination	the process that allows plants to reproduce
germination	the process by which a plant grows from a seed
сгор	a plant or plant product that is grown and harvested
forests	places where there are mostly trees