Year 3 Science – Plants Knowledge Organiser

Golden Thread: Freedom

Objectives and Sticky Knowledge

Previous Knowledge Recap

To know and explain how seeds and bulbs grow into plants.

To know what plants need in order to grow and stay healthy (water, light & suitable temperature).



Land Objectives and Sticky Knowledge:

	To know the parts of a plant.	To know the functions of a plant.
	*Identify the key parts of a plant. (Flower, stem, leaves and roots) *To label parts of a plant accurately.	*Know the function of different parts of flowering plants and trees *Know how water is transported within plant *Know the plant life cycle, especially the importance of flowers
Links with 'Commu	unication' Golden Thread:	Links with CST and CKA Values Crown:

Year 3 Knowledge Science – Plants



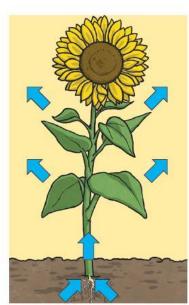
Sky Objectives:

- Ask relevant questions relating to a range of scientific enquiries.
- Conduct a fair test and explain what happens.
- Begin to notice patterns and trends in results and explain the potential causes.

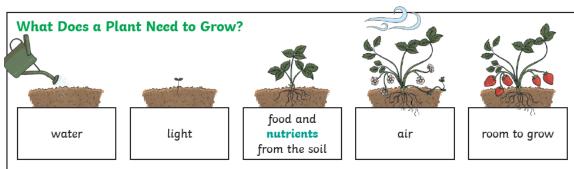
Life Cycle of a Flowering Plant Germination Seed Dispersal The seed starts Growing to grow. The fully formed and Flowering seeds are moved The plant grows away from the bigger and parent plant. forms a flower. Fertilisation and Pollination Seed Formation Pollen from the anther lands on the The pollen joins with stigma and travels an ovule and a seed down the stule. starts to form.

How Water Moves through a Plant

- The roots absorb water from the soil.
- The stem transports water to the leaves.
- 3. Water evaporates from the leaves.
- This evaporation causes more water to be sucked up the stem.



The water is sucked up the stem like water being sucked up through a straw.



Different plants vary in how much of these things they need. For example, cacti can survive in areas with little water, whereas water lilies need to live in water.