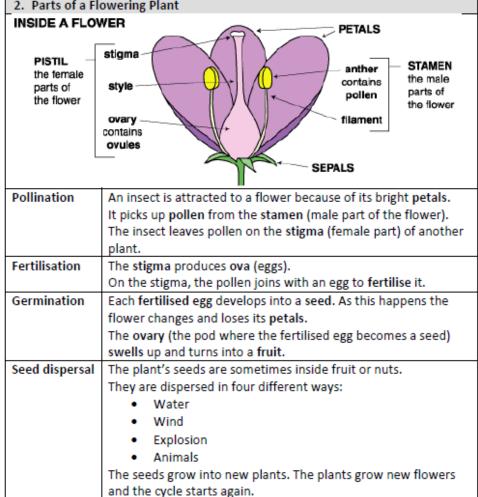
Knowledge organiser on Plants

1. Plants

- · A healthy plant is usually upright with green leaves.
- Plants need air, light, water, nutrients, temperature and space to grow.
- A plant that grows in the dark will be tall and spindly because it is searching for light.
- A plant that is not watered will have a weak stem and dried up leaves.
- A seed that is too cold will not grow at all.

2. Parts of a Flowering Plant



3. Water Transportation	
Roots	Grow into the ground.
	Pull nutrients and water from the ground.
	Also help to keep the plant steady and upright in the ground.
	Grow wide under the ground to search for water.
Stem/ Trunk	Carries water to the leaves.
	Carries food from the leaves to the rest of the plant
	Grow upwards towards the sun.
Leaves	Use light from the sun and with carbon dioxide from the air
	and water to make food for the plant (called photosynthesis)
	Have veins inside them and are different shapes to fit the
	needs of the plant.
Stages of	 Water is found in the soil by the roots
Water	The water is drawn up from the roots to the stem
Transportation	The water travels up small tubes in the stem, called
	xylem
	Water reaches the leaves and flowers, keeping them
	hydrated
	5. Water escapes as a gas (vapour) through tiny holes in the
A W E'	leaves
4. Key Figure	
Agnes Arber	Born in England on February 23 rd 1879
	Died on March 22 nd 1960
	Made important contributions to botany and wrote many
	books about a range of topics
	First female botanist to be selected as a Fellow of the Royal
	Society