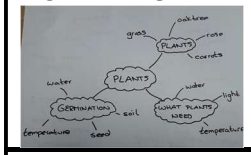
YEAR 3

	EYFS	YEAR 1	YEAR 2	YEAR 3	YEAR 4	YEAR 5	YEAR 6
PLANTS BIOLOGY	**The three Prime ELGs of Communication & Language, PSED and Physical Development provide the foundations of which all other learning is built upon.** **Specific:** **The Natural World ELG** Explore the natural world around them, making observations and drawing pictures of animals and plants. Know some similarities and differences between the natural world around them and contrasting environments, drawing on their experiences and what has been read in class. Understand some important processes and changes in the natural world around them, including the seasons and changing states of matter	Identify and name a variety of common wild and garden plants, including deciduous and evergreen trees Identify and describe the basic structure of a variety of common flowering plants, including trees.	Observe and describe how seeds and bulbs grow into mature plants Find out and describe how plants need water, light and a suitable temperature to grow and stay healthy.	Identify and describe the functions of different parts of flowering plants: roots, stem/trunk, leaves and flowers Explore the requirements of plants for life and growth (air, light, water, nutrients from soil, and room to grow) and how they vary from plant to plant Investigate the way in which water is transported within plants Explore the part that flowers play in the life cycle of flowering plants, including pollination, seed formation and seed dispersal.			

PLANTS
COMPOSITES

Identify and describe the functions of different parts of flowering plants: roots, stem/trunk, leaves and flowers.
Explore the requirements or plants for life and growth (air, light, water, nutrients from soil, and room to grow) and how they vary from plant to plant.
Investigate the way in which water is transported within plants.

Explore the part that flowers play in the life cycle of flowering plants, including pollination, seed formation and seed dispersal.							
COMPONENTS							
	1	**2**	**3**	**4**	**5**	**6**	**End Point**
	What are the functions of the parts of a plant?	**What does a plant need to grow?**	**How is water transported in plants?**	**What are the different parts of a flower?**	**What is pollination?**	**How are seeds formed and dispersed?**	**Children will create a poster showing and explaining all knowledge learnt this term.**
CONCEPTS 	STRUCTURES ENERGY CHANGE AND GROWTH	STRUCTURES ENERGY CHANGE AND GROWTH	STRUCTURES ENERGY CHANGE AND GROWTH	STRUCTURES ENERGY CHANGE AND GROWTH	STRUCTURES ENERGY CHANGE AND GROWTH	STRUCTURES ENERGY CHANGE AND GROWTH	Understand what plants need to be healthy. Understand what pollination is.
SKILLS	Identify and describe the functions of different parts of flowering plants: roots, stem/trunk, leaves and flowers.	Explore the requirements of plants for life and growth (air, light, water, nutrients from soil, and room to grow) and how they vary from plant to plant.	Investigate the way in which water is transported within plants.	Identify and describe the functions of different parts of flowering plants: roots, stem/trunk, leaves and flowers. Explore the part that flowers play in the life cycle of flowering plants, including pollination, seed formation and seed dispersal.	Explore the part that flowers play in the life cycle of flowering plants, including pollination, seed formation and seed dispersal.	Explore the part that flowers play in the life cycle of flowering plants, including pollination, seed formation and seed dispersal.	Identify the parts of a plant and name their different functions. observe the different stages of how plants grow. Identify what plants need to be healthy.
KNOWLEDGE Science Knowledge Organiser: Plants Year 3 (teacher made) (twinkl.co.uk)	Know the different parts of a plant and explain their function.	Know what a plant needs to be able to grow.	Know how water is transported into plants.	Know the parts of a flower and each parts function.	Know what pollination is and how plants are pollinated.	Know how seeds are formed and dispersed.	Plants have different parts and functions, plants need specific conditions and nutrients in order for them to grow.
LESSON LINK	TERM 5 MTP	TERM 5 MTP	TERM 5 MTP	TERM 5 MTP	TERM 5 MTP	TERM 5 MTP	
PROGRESSIVE VOCABULARY	plant root stem	plant seed growth	roots stem leaves	flower pollen anther	pollination plants produced fertilise	seed dispersal seed formation explosion wind	Articulate and recognise subject

	leaf bud flower function	nutrients air light water soil water	water transport	filament sepal petal stigma style ovary ovule stem	nectar ovary pollen pollinate sepal stamen stigma	water	specific vocabulary
CURRICULUM EXPERIENCES			Use coloured water to experiment on a plant (celery) to see how the coloured water is transported into the plant.				
END POINT	Know and name the different parts of a plant and explain what each parts function is.	Know what a plant needs in order to grow. Make scientific predictions about what will happen if we remove something we know a plant needs to grow.	Understand the process of how water is transported into plants.	Know and name each part of a flower and be able to explain the function of each part.	Understand what pollination is and how plants are pollinated.	Know how seeds are formed and how they are dispersed.	