Year 3 – Parts of Plants (Plants)		
Links made with	Instruction writing – how to plant a seed/ grow a plant	
other subjects		
The BIG Question	How do you plants grow? (same as what plants peed)	
The BIG Question	Short explanation answering the question	
Science objectives	- identify and describe the functions of different parts of flowering plants: roots stem/	
(link to NC)	trunk, leaves and flowers	
(11111 00 110)	- 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.	
Prior knowledge	Children already know:	
What prior knowledge is	EYFS – Understanding the world - Children know about similarities and differences in	
needed for children to be	relation to places, objects, materials and living things. They talk about the features of	
successful in this unit?	their own immediate environment and how environments might vary from one	
	another. They make observations of animals and plants and explain why some things	
	occur and talk about changes.	
	Yr 1 - Plants (Plants)	
	Yr 2 – Growing Plants (plants)	
	Yr 3 - What plants need (Plants)	
Future learning	This unit gives prior knowledge to:	
knowledge within a	Yr 5 Life Cycles (Animals including Humans)	
subject that pupils need		
for future learning not		
just the recall of facts but		
concepts		
Science strands	Related Enquiry Questions	
	Classifying	
	Not relevant	
	Observing over time	
	-Observe celery (with roots and leaves) in coloured water.	
	-Observe white carnations (freshly cut) in coloured water.	
	-Gather seeds and photographic evidence of blossoms/flowers and berries on a	
	particular trail throughout the year.	
	Pattern Seeking	
	Not relevant	
	Comparative testing	
	Researching	
	-Research different methods of cood dispersal	
	-Research different methods of pollination	
Vocabulary/	Stems/trunks leaves flowers/ blossom roots nutrients Photosynthesis pollen	
Glossary	insect/wind pollination seed formation seed dispersal (wind dispersal animal	
Glossaly	dispersal water dispersal)	
Knowledge	The knowledge that children will learn and remember:	
(see italics for knowledge		
to remember)	1. Many plants, but not all, have roots, stems/trunks, leaves and flowers/blossom.	
	2. The roots absorb water and nutrients from the soil and anchor the plant in	
	place.	



Science Scheme of wor

	3. The stem transports water and nutrients/minerals around the plant and holds the leaves and flowers up in the air to enhance photosynthesis, pollination and
	seed dispersal.
	The leaves use sunlight and water to produce the plant's food.
	5. Some plants produce flowers which enable the plant to reproduce.
	6. Pollen, which is produced by the male part of the flower, is transferred to the
	female part of other flowers (pollination).
	7. This forms seeds, sometimes contained in berries or fruits which are then
	dispersed in different ways – wind, animal and water dispersal)
SEND expectations	1. Many plants, but not all, have roots, stems/trunks, leaves and
	flowers/blossom.
	2. The roots absorb water and nutrients from the soil and anchor the plant in
	place.
	3. The stem transports water and nutrients/minerals around the plant and holds
	the leaves and flowers up in the air to enhance photosynthesis, pollination and
	seed dispersal.
	The leaves use sunlight and water to produce the plant's food.
	Some plants produce flowers which eventually form seeds
	6. Seeds are dispersed in different ways – wind, animal and water dispersal)
Common	Some children may think:
misconceptions	- plants eat food
	- food comes from the soil via the roots
	- flowers are merely decorative rather than a vital part of the life cycle in reproduction
	- plants only need sunlight to keep them warm
	-roots suck in water which is then sucked up the stem.