


Knowledge Organiser: Reception, Summer 2

Big question: How do plants change as they grow?

Subject Specific Vocabulary	Key Knowledge	Book Links
<p>Plant, seed, root, stem, leaf, flower, fruit, pollen</p> <p>Nutrients, soil, water, sunlight</p>	<ul style="list-style-type: none"> • Know how to predict what will happen to a planted seed • Be able to ask questions about what will happen to a seed when planted • Know how to plant a seed • Know that plants need sunlight, water and oxygen to grow • Know that plants need minerals and nutrients from the soil to grow • Know the cycle of how a plant grows (germination, roots, leaves, flowering and then seeds disperse) • Know the parts of stem, roots, flower and leaves of a plant • Know what the parts of a plant do (roots, stem, flower and leaves) • Know and name some plants by appearance • Know how to observe and record how plants grow • Know that plants, seeds, soil and gardening tools can be sold at a Garden Centre • Be able to answer questions about how a plant has grown <p>To explore plants in their natural environment</p> <p>Similarities and differences between plants</p> <p>Observing the changes as plants grow</p>	<p>'Jasper's Beanstalk' by Nick Butterworth and Mick Inkpen</p> <p>It Starts With a Seed Laura Knowles & Jennie Webber</p> <p>The Tiny Seed – Eric Carle</p> <p>Non-fiction books about plants and growth</p>
Enrichment		
<p>Observational drawings of plants, fruits, seeds and flowers.</p> <p>Garden center role play.</p> <p>Planting seeds in the classroom.</p> <p>Experimenting with growing plants (Will it grow if...?)</p> <p>Growing beans in clear bags so that children can make detailed observations about the growth process.</p> 		

	Links to Prior or Other Learning	
	<p>Prior Learning: Use all their senses in hands-on exploration of natural materials. Explore collections of materials with similar and/or different properties. Talk about what they see, using a wide vocabulary. Understand the key features of the life cycle of a plant and an animal. Begin to understand the need to respect and care for the natural environment and all living things.</p> <p>Next Stage: Working Scientifically- asking questions, observing and gathering data to answer questions. Plants – identify and name a variety of common flowering plants, wild and garden plants including trees. Identify and describe the basic structure of common flowering plants and trees</p>	