















Year Group:	FS	Strand: 2	How does a sunflower grow?
BIOLOGY			
Key NC Reference and Objectives	<ul style="list-style-type: none"> • Observes the growth of a flower • Name the basic parts of the plant 		
Enquiry Approaches and Skills in Science	<div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> <p>ENQUIRY APPROACHES</p> <ul style="list-style-type: none"> Comparative / fair testing Changing one variable to see its effect on another, whilst keeping all others the same.  Research Using secondary sources of information to answer scientific questions.  Observation over time Observing changes that occur over a period of time ranging from minutes to months.  Pattern-seeking Identifying patterns and looking for relationships in enquiries where variables are difficult to control.  Identifying, grouping and classifying Making observations to name, sort and organise items.  Problem-solving Applying prior scientific knowledge to find answers to problems.  </div> <div style="width: 48%;"> <p>ENQUIRY SKILLS</p> <ul style="list-style-type: none"> Asking questions Asking questions that can be answered using a scientific enquiry.  Making predictions Using prior knowledge to suggest what will happen in an enquiry.  Setting up tests Deciding on the method and equipment to use to carry out an enquiry.  Observing and measuring Using senses and measuring equipment to make observations about the enquiry.  Recording data Using tables, drawings and other means to note observations and measurements.  Interpreting and communicating results Using information from the data to say what you found out.  Evaluating Reflecting on the success of the enquiry approach and identifying further questions for enquiry.  </div> </div>		
Key Investigation	<ul style="list-style-type: none"> - Plant and observe the growth of a sunflower Enquiry Approach: Observing over time Enquiry Skills: Observing and measuring and recording data in drawings or photographs Guidance: Children plant sunflower seeds (between April and May in pots). Children look after the plants by watering them. Children observe the growth and could draw pictures or take photographs of the growing plants. Children could keep a sunflower diary as a class and take photos daily to make into a video. 		
Other investigations and activities	<ul style="list-style-type: none"> - Observe and explore different plants in the school grounds and local area. Enquiry Approach: Identifying, grouping and classifying Enquiry Skills: Observing and recording data in drawings or photographs Guidance: Children could take a nature walk around school exploring different plants, flowers and trees we may find in our school grounds. Children could draw pictures of plants found in a school area or take photographs of what they see. - Naming the key parts of a plant Enquiry Approach: Identifying, grouping and classifying Guidance: Children can names they key parts of a plant (leaf, flower and petal). Children could draw or paint different flowers. Children may observe a range of different plant identifying leaves, flowers and petals. <p>Provision Areas: Soil pit with tools Garden Centre – seeds/artificial flowers/spades/gloves Raised bed outside for digging</p>		
Plants to be grown:	Sunflowers		
New Key Vocabulary	<p>Sunflower: a plant with green leaves and a large yellow flower. Leaf/Leaves: Flower: Petal: Plant: is a living things that grows in the ground.</p>		

Core substantive knowledge and background teacher knowledge:	
Prior Knowledge	Basic understanding of what plants are and where they grow.
Assessment	
Useful Planning Resources and Links	<p>Twinkl, watch your sunflower grow: https://www.twinkl.co.uk/resource/au-s-179-watching-my-sunflower-grow-activity</p> <p>Sunflower art:</p>  <p>How to grow sunflowers guidance: https://www.gardenersworld.com/how-to/grow-plants/how-to-grow-sunflowers-from-seed/</p> <p>Growing Sunflowers: http://www.greatgrubclub.com/domains/greatgrubclub.com/local/media/downloads/grow%20a%20sunflower.pdf</p> <p>Stories linked to plant growth:</p>