



TSS Primary Science MTP 2023-2024 Year 1 Block 2 – Plants and Growing (Biology)

Key Targets and Learning Objectives		Key Activities	Key Vocabulary
<ul style="list-style-type: none"> Recognise and name the major parts of familiar flowering plants (limited to roots, leaves, stems and flowers). Identify living things and things that have never been alive. Know that plants need light and water to survive. Know that animals, including humans, need air, water and suitable food to survive Describe how humans are similar to and different from each other Take measurements in non-standard units. Collect and record observations and/or measurements by annotating images and completing simple tables. 		<ul style="list-style-type: none"> <i>This unit focusses on PBL by growing and harvesting simple food crops grown organically, using vermicomposting and hot composting techniques</i> Set up a growing sensory centre where children can label, sort, examine and observe seeds, diagrams of plants and living/ non living items Sprout seeds and allow children to observe root and stem growth. Create 2 control groups – optimum and non optimum growth conditions – allow children to observe and discuss results and analyse reasons for success/ failure Plant and observe food crops – which part do we eat? Root, stem, leaf, flower or fruit? Children will label a simple diagram of a plant and sort Use non standard measuring tools to measure height/ growth of plants and weigh crops. Blocks, paper clips, pencils etc Collect food waste from cafeteria to feed worms and create compost. Explore living vs non living and which can be used in composting and why Discuss and label life cycle of worms. Investigate how worms are beneficial to plant life and life on earth, how they are a greener alternative to commercial fertiliser Work collaboratively with other classes to create social media to share our research, findings and observations <p>CROSS CURRICULUM LEARNING Non standard measurement and graphing – math Reporting research and a simple how to guide – English Instructional writing</p>	<ul style="list-style-type: none"> Roots Stem Leaves Flower Seed/ seedling Living/ Non Living Compost/ Vermicomposting Label Organic Life cycle
Working Scientifically:	Going Green Link:	Integration of technology:	
<ul style="list-style-type: none"> Make predictions about what they think will happen Use given equipment appropriately. Follow instructions safely when doing practical work 	<ul style="list-style-type: none"> Composting class food waste Vermicomposting food waste Organic food production 	<ul style="list-style-type: none"> Using QR codes to access age appropriate related books Creating content content and posting to IG 	



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