

MTP – Science – Summer 2



Topic	How old are the trees around us? (Focus Curriculum: Y2 Little Evie)					
N.C Learning Objectives	<ul style="list-style-type: none"> 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. 					
Vocabulary	Crown The crown is made up of the leaves and branches at the top of the tree.	Stem The stem is the main part of the plant. It supports the weight of the leaves, as well as the flowers or fruit.	Oxygen Oxygen is used by animals and plants in the respiration (breathing) process.	Germination When the conditions are right the seed soaks up water and swells and the tiny new plant bursts out of its shell.	Roots This part of a plant is normally underground. They keep the plant in the ground, absorb water and bring it to the stem and store food.	Bulb The name given to the underground bud or stem of a seed plant at resting stage.
	LEARNING OBJECTIVE	STICKY KNOWLEDGE FACT	LESSON ACTIVITIES			
Lesson 1	We are learning about trees and plants	Trees can live for a very long time. The oldest known tree is over 5000 years old.	Core learning <ul style="list-style-type: none"> Identify some of the trees and plants that are around our locality Explain why trees are so important to the environment. Find out about the importance of roots and the crown. Recognise that some trees live for a very long time. Many cedar trees out-age humans by a long way find out how old trees are. 			
Lesson 2	We are learning to identify what plants and trees need to grow -	Just like all other living things, plants and trees need nutrients and water in order to grow.	Core learning <ul style="list-style-type: none"> Children to identify that plants and trees need the following to grow <ul style="list-style-type: none"> - water - light - the right temperature - 			
Lesson 3	We are learning to plan a fair test •	In order for a test to be fair or scientifically sound, only one thing (this is called a variable) is changed.	Core learning <ul style="list-style-type: none"> Children to plant seeds Children to plan and set up a fair test Children to make predictions Children to keep a diary to record the changes overtime 			

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Lesson 4	We are learning about the life cycle of a plant and tree	There are the 5 stages of plant life cycle. The seed, germination, growth, reproduction, pollination, and seed spreading stages	Core learning <ul style="list-style-type: none"> • Lots of plants and trees grow out of seeds • Seeds grow roots and shoots • Roots and shoots then grow leaves above ground • Many plants / trees make flowers, which turn into fruits. • Flowers and fruits make their own seeds. This is called the life cycle.
Lesson 5	We are learning about the different parts of a seed <ul style="list-style-type: none"> • 	Every single seed has the beginnings of a new plant inside it. Along with a little store of food to help it to grow.	Core learning <ul style="list-style-type: none"> • Understand that a seed has different <ul style="list-style-type: none"> - seed coat (outside) - Embryo (baby plant) - Food supply • that germination starts inside the seed
Lesson 6	We are learning to evaluate our fair test		Core learning <ul style="list-style-type: none"> • Analyse results