



# Medium Term Unit Planning

**Topic Name: - Science (Plants)**

**Learning outcome:**

*In this unit, children will learn what plants need to stay healthy. They will have the opportunity to carry out their own investigations into what plants need to grow well. Children will also closely observe the inside of a seed and learn about the life cycle of a plant. They will also learn how plants look when they don't get the things they need. In their final lesson, children will learn how plants have adapted to live in different environments around the world.*

**Hook**

Sunflower competition between the classes. [Linked in with our measuring topic.](#)

**Topic Showcase (e.g. display, museum, performance, presentation)**

[Planting our sunflowers in Forest School.](#)

**Oracy:**

Presenting information about plants to the class.

**Key Vocabulary:**

Plant, Growing, Healthy, Root, Stem, Leaves, Flower, Tree, Bark, Life Cycle, Seed, Blub, Water, Light, Soil, Temperature, Sun, Wilt and Germinate.

**Key Texts (whole class reading/end of the day book/Talk for Writing Texts etc.):**

The Tiny Seed – Eric Carle

**Citizenship/Community Opportunities:**

Create a flowerbed in Forest School and repot sunflowers.



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<p><b>Experiences/Visits/Visitors</b> Under review</p>			
<p><b>Main Subjects covered:</b> <b>Science</b></p>			
<p><b><u>Science Threshold concepts</u></b> <b><u>Understand plants</u></b> This concept involves becoming familiar with different types of plants, their structure and reproduction. This concept involves learning the methodologies of the discipline of science.</p>			
<p><b>Notes:</b></p>			
Lesson title and learning Intention	Threshold concepts (success criteria)	Milestones (success criteria)	Lesson structure/differentiation
<p>1. What do plants need to grow?</p>	<p>This concept involves becoming familiar with different types of plants, their structure and reproduction.</p>	<p>I can perform simple tests. I can use observations and ideas to suggest answers to questions.</p>	<p>Go through boards with class. Discuss front cover and first couple of pages with class. Show pictures of seeds and unhealthy plants. Explain the reasons for both. Class to set up experiment for growing</p>



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	This concept involves learning the methodologies of the discipline of science.		sunflowers. Each pot withholds something important that a flower needs.
2. What is in a seed?	This concept involves becoming familiar with different types of plants, their structure and reproduction.	<p>I can observe and describe how seeds and bulbs grow into mature plants.</p> <p>I can observe closely, using simple equipment.</p> <p>I can observe and describe how seeds and bulbs grow into mature plants.</p>	Read next page of book with class. Introduce nutrition, reproduction and waste removal. Give class opportunity to handle different types of seeds. What might be inside?
3. Life cycle of a plant	This concept involves becoming familiar with different types of plants, their structure and reproduction.	I can observe and describe how seeds and bulbs grow into mature plants.	Look at plants that have been growing over the week(s). Look through boards and explain the term life cycle. Show examples using frogs, butterflies and humans. Show life cycle of a bean. What differs? Complete task. Show photos of bean shoots and plants. Can the children say which one is younger and why?
4. What do plants need to stay healthy?	This concept involves becoming familiar with different types of plants, their structure and reproduction.	I can find out and describe how plants need water, light and a suitable temperature to grow and stay healthy.	Review class investigation and fill in diary. Go through boards and compare to own plants.



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<p>5. How do plants grow in different conditions</p>	<p>This concept involves becoming familiar with different types of plants, their structure and reproduction.</p>	<p>I can find out and describe how plants need water, light and a suitable temperature to grow and stay healthy.</p>	<p>Review class investigation and fill in diary. Go through boards and show pictures of different habitats. Read rest of e-book and learn how plants grow across the world. Make comparisons about how plants can grow in almost any environment/habitat. Complete sorting activity and photograph evidence.</p>
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