

Science Medium Term Plan

Foundation Stage 2 Medium Term Plan			
Overview			
Early Learning Goals	<u>Understanding of the World – The Natural World</u> <ul style="list-style-type: none"> ➤ Explore the natural world around them, making observations and drawing pictures of animals and plants. ➤ Know some similarities and differences between the natural world around them and contrasting environments, drawing on their experiences and what has been read in class. ➤ Understand some important processes and changes in the natural world around them, including the seasons and changing states of matter. 		
Term	Foundation Stage 2 Milestones	Key Vocabulary	Key skills – Working Scientifically
Autumn 1 Marvellous Me Our families Our local environment	To talk about the changes they observe in their environment – Seasons link. (UTW) To discuss daily weather/seasons. To know the names of different body parts. (UTW)	Dissolve Experiment Investigate Same Different Observe Grow Change Float/Sink	<ul style="list-style-type: none"> ➤ Walking round the school environment to observe the school grounds – what do they notice about the trees in autumn and the temperature etc. ➤ Sing different songs linked to body parts (heads shoulders knees and toes for example) or play games (Can you find your knee?)
Autumn 2 Colours of the Rainbow Autumn	To know and explain the signs of Autumn. (UTW)	Dissolve Experiment Investigate Same Different Observe Grow Change Float/Sink	<ul style="list-style-type: none"> ➤ Walks in school grounds to see signs of Autumn.
Spring 1 Mirror Mirror.... Winter	To know how exercise effects our own bodies e.g. breathing, sweating, effect on muscles. (PD) To talk about the effects of exercise on my body. (UTW)	Dissolve Experiment Investigate Same Different Observe Grow	<ul style="list-style-type: none"> ➤ Discuss what we feel like after exercising. ➤ Look at each other to see changes to the body (red faces, sweaty etc)

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		Change Float/Sink	
Spring 2 Animal Kingdoms Minibeasts Animals e.g. jungle, farms Life Cycles – butterfly, frogs David Attenborough Enrichment – Caterpillar hatching. Possible chick visit to see baby animals.	Looking after our outdoor area e.g. watering the plants. (PSED - Extra Foci) To explain about the importance of brushing our teeth and visiting the dentist. (PD) To explain about the importance of brushing my teeth and drinking water (UTW) To make observations and express their views of the environment. (UTW) To know that humans and other animals can grow and change. (UTW) To know how and be able to explain ways we can look after our teeth. (UTW) To be able to explain the life cycle of a butterfly. (UTW)	Dissolve Experiment Investigate Same Different Observe Grow Change Float/Sink	<ul style="list-style-type: none"> ➤ National Smile week focus – oral health. ➤ Life cycles – learn 'There's a tiny caterpillar on a leaf'. ➤ Enrichment experiences to observe life cycles.
Summer 1 Enchanted Gardens What do plants need to grow? Fairies Growing e.g. flowers and vegetables Enrichment – Possible visit from dental practitioner.	To know how to keep ourselves healthy e.g. teeth brushing, healthy foods, exercise. (PSED) To know how to look after plants and living things. (PSED) To look after ourselves e.g. hygiene and teeth brushing (PSED – Extra Foci) Importance of healthy foods and exercise (PSED – extra foci) To explain about sun safety e.g. wearing sun tan cream, wearing a hat. (PD) To explore how to use voice to create high and low pitch. (EA&D) To act out a sequence of events e.g. life cycle of a butterfly (EA&D) To look after plants within our own outdoor environment. (UTW) To explain about sun safety e.g. sun tan cream, wearing a hat. To know and describe the 5 things a plant needs to grow (UTW) To know how the weather is changed linked to the seasons (UTW)	Dissolve Experiment Investigate Same Different Observe Grow Change Float/Sink	<ul style="list-style-type: none"> ➤ Plant focus – what do plants need to grow? ➤ Watering plants outdoors. ➤ Sun safety focus – make a poster about how to keep safe in the sun. ➤ Discuss what we need to wear before we go outside and why.

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<p>Summer 2 Let's Explore Holidays Summer Time</p> <p>Enrichment – Butterfly house visit.</p>	<p>To explain about different ways to keep healthy (PD). To explain about different ways to keep healthy. (UTW) To confidently talk about plants and seasonal changes. (UTW)</p>	<p>Dissolve Experiment Investigate Same Different Observe Grow Change Float/Sink</p>	<ul style="list-style-type: none"> ➤ Writing fact files about looking after plants. ➤ Discussions about ways to keep healthy. ➤ Observe the difference in the weather and school environment in summer – how has the temperature changed, what do the trees look like now?
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