



<u>Autumn 1</u> <u>Autumn Leaves are Falling Down</u> • Living Things and Their Habitats • Animals excluding Humans • Seasonal Changes		
DM Objectives	Overview	Encouraging Scientific Enquiry
<ul> <li>Draw information from a simple map.</li> <li>Explore the natural world around them.</li> <li>Describe what they see, hear and feel whilst outside.</li> <li>Recognise some environments that are different to the one in which they live.</li> <li>Understand the effect of changing seasons on the natural world around them.</li> </ul>	<ul> <li>Encourage children to name and describe animals that live in different habitats while reading books, watching videos, looking at pictures or playing matching games.</li> <li>Encourage children to ask questions about different animals and the habitats they live in.</li> <li>Encourage children to describe habitats.</li> <li>Encourage children to talk about how animals are cared for when they live outside their natural habitat.</li> <li>Support children to identify different plants e.g. trees, bushes, flowers, vegetables, herbs.</li> <li>Ensure children are careful when exploring the plants and do not damage them in any way.</li> <li>Encourage children to to touch and smell the plants, when appropriate.</li> </ul>	<ul> <li><u>Classification</u></li> <li>Sort animals according to where they live.</li> <li>Name and describe plants and animals they find in the school grounds.</li> <li><u>Researching using secondary sources</u></li> <li>Learn how animals from a different habitat are cared for.</li> <li>Learn about animals in a different habitat.</li> <li><u>Pattern seeking</u></li> <li>Look for minibeasts in different areas of the school grounds.</li> <li>Look for plants in different areas of the school grounds</li> </ul>





<ul> <li>Encourage children to talk about the plants they find.</li> <li>Support children to name the plants they find.</li> <li>Encourage children to find the same plant in a different place.</li> <li>Encourage children to talk about how they feel in different types of weather/seasons.</li> <li>Encourage children to talk about the clothes they wear in different seasons and why.</li> <li>Encourage children to talk about the weather throughout the year.</li> <li>Encourage children to find shelter or make shelters to keep themselves dry in the rain or shade themselves when it is sunny.</li> <li>Encourage children to talk about how the ground changes when it rains.</li> <li>Encourage children to talk about how puddles using their feet after it rains.</li> <li>Encourage children to talk about the unimals and plants that they find in different seasons.</li> </ul>	<u>Classification</u> Which clothes are suitable for each season? <u>Observing over time</u> How does a puddle change over time?         How does a snowman change as it melts?         How does the natural world change with the seasons? <u>Researching using secondary sources</u> Find out about how animals behave in different seasons.         Find out about the weather and seasons.
--	--





<u>Autumn 2</u> <u>Keep Me Posted</u> •Humans		
DM Objectives	Overview	Encouraging Scientific Enquiry
<ul> <li>Explore the natural world around them.</li> <li>Describe what they see, hear and feel whilst outside.</li> <li>Talk about members of their immediate family and community.</li> <li>Name and describe people who are familiar to them</li> </ul>	<ul> <li>Encourage children to look at photographs of different people and to describe them.</li> <li>Encourage children to describe their friends and family using photographs to help them.</li> <li>Encourage children to talk about how their friends and family are the same and different.</li> <li>Encourage children to compare themselves to characters in books.</li> <li>Encourage children to talk about the people who look after them, both within their family and the</li> <li>wider community e.g. teachers, doctors, dentists etc.</li> <li>Encourage children to ask a dentist, nurse, meal supervisor/school cook, road crossing supervisor etc. guestions</li> </ul>	<u>Classification</u> • Sort images of people according to their characteristics. <u>Researching using secondary sources</u> • Find out information from visitors (dentist, nurse etc.). <u>Pattern seeking</u> • Are taller children faster? • Are taller children stronger?





Spring 1 <u>Explorers</u> • Materials, including changing materials • Forces		
DM Objectives	Overview	Encouraging Scientific Enquiry
<ul> <li>Explore the natural world around them.</li> <li>Describe what they see, hear and feel whilst outside.</li> </ul>	<ul> <li>Encourage children to talk about the natural materials they explore, using their senses.</li> <li>Encourage children to talk about the materials they are using when making pictures.</li> <li>Encourage children to choose from a range of materials, including natural materials, when making models and identify a key property that was required.</li> </ul>	Comparative testing •How does popcorn made in a microwave compare to popcorn made on a fire? •How quickly do ice cubes melt in different areas of the playground? •How are pizza bases different when made with different flours? •How does a loaf cook differently in different tins? •How do cupcakes cook if they have different amounts of mixture?
	<ul> <li>Encourage children to reuse materials and talk about what can be recycled to care for the natural world.</li> <li>Support children to list the properties the material has.</li> <li>Encourage children to test that their model is fit for purpose and that the materials are suitable.</li> </ul>	<ul> <li><u>Comparative testing</u></li> <li>How many cubes/small plastic animals can fit in different 'boats'?</li> <li>Compare how cars move down ramps/gutters.</li> <li>Compare how wheels turn when sand or water is poured through.</li> <li>Compare how objects fall.</li> <li>Compare how objects fall with and without parachutes.</li> </ul>





<ul> <li>Encourage children to compare and describe how materials change over time and in different conditions.</li> <li>Encourage children to talk about how they changed objects to make them flow or sink.</li> <li>Encourage children to count and record how small objects different 'boats' can hold before they sink.</li> <li>Encourage children to talk about how they changed how the cars rolled down ramps/gutters.</li> <li>Encourage children to talk about what happened when they poured sand/water through wheels and down gutters and how they changed this.</li> </ul>	<ul> <li>Compare how a marble moves through different liquids.</li> <li>Compare how different paper aeroplanes fly.</li> <li>Observing over time <ul> <li>How does the block of ice change over time?</li> <li>How does a snowman change over time?</li> <li>How does cake mixture/bread dough change as it is cooked?</li> </ul> </li> </ul>
---	---





Spring 2 <u>Spring Has Sprung</u> • Living Things and Their Habitats • Animals excluding Humans			
DM Objectives	Overview		
<ul> <li>Draw information from a simple map.</li> <li>Explore the natural world around them.</li> <li>Describe what they see, hear and feel whilst outside.</li> <li>Recognise some environments that are different to the one in which they live.</li> </ul>	<ul> <li>Support children to identify different plants e.g. trees, bushes, flowers, vegetables, herbs.</li> <li>Ensure children are careful when exploring the plants and do not damage them in any way.</li> <li>Encourage children to touch and smell the plants, when appropriate.</li> <li>Encourage children to talk about the plants they find.</li> <li>Support children to find the same plant in a different place.</li> <li>Ensure children are careful when observing minibeasts and return them to where they found them.</li> <li>Encourage children to talk about the plants.</li> </ul>	<ul> <li><u>Classification</u></li> <li>Sort animals according to where they live.</li> <li>Name and describe plants and animals they find in the school grounds.</li> <li><u>Researching using secondary sources</u></li> <li>Learn how animals from a different habitat are cared for.</li> <li>Learn about animals in a different habitat.</li> <li><u>Pattern seeking</u></li> <li>Look for minibeasts in different areas of the school grounds.</li> <li>Look for plants in different areas of the school grounds</li> </ul>	





Encourses shildren to nome and deconing
Encourage children to name and describe
animals that live in different habitats
while reading books, watching videos,
looking at pictures or playing matching
games.
<ul> <li>Encourage children to ask questions</li> </ul>
about different animals and the habitats
they live in.
<ul> <li>Encourage children to describe habitats.</li> </ul>
<ul> <li>Encourage children to talk about how</li> </ul>
animals are cared for when they live
outside their natural habitat.
<ul> <li>Encourage children to move like different</li> </ul>
animals.





Summer 1 <u>Superheroes</u> • Humans			
DM objectives	Overview	Encouraging Working Scientifically	
<ul> <li>Talk about members of their immediate family and community.</li> <li>Name and describe people who are familiar to them.</li> </ul>	<ul> <li>Encourage children to look at photographs of different people and to describe them.</li> <li>Encourage children to describe their friends and family using photographs to help them.</li> <li>Encourage children to talk about how their friends and family are the same and different.</li> <li>Encourage children to compare themselves to characters in books.</li> </ul>	<u>Classification</u> • Sort images of people according to their characteristics. <u>Researching using secondary sources</u> • Find out information from visitors (dentist, nurse etc.). <u>Pattern seeking</u> • Are taller children faster? • Are taller children stronger?	





Summer 2 <u>Beside the Seaside, Beside the Sea</u> • Animals excluding humans • Living things and their habitats			
DM objectives	Overview	Encouraging Working Scientifically	
<ul> <li>Draw information from a simple map.</li> <li>Explore the natural world around them.</li> <li>Describe what they see, hear and feel whilst outside.</li> <li>Recognise some environments that are different to the one in which they live.</li> </ul>	<ul> <li>Encourage children to name and describe animals that live in different habitats while reading books, watching videos, looking at pictures or playing matching games.</li> <li>Encourage children to ask questions about different animals and the habitats they live in.</li> <li>Encourage children to describe habitats.</li> <li>Encourage children to talk about how animals are cared for when they live outside their natural habitat.</li> <li>Support children to identify different plants e.g. trees, bushes, flowers, vegetables, herbs.</li> <li>Ensure children are careful when exploring the plants and do not damage them in any way.</li> <li>Encourage children to touch and smell the plants, when appropriate.</li> </ul>	<ul> <li><u>Classification</u></li> <li>Sort animals according to where they live.</li> <li>Name and describe plants and animals they find in the school grounds.</li> <li><u>Researching using secondary sources</u></li> <li>Learn how animals from a different habitat are cared for.</li> <li>Learn about animals in a different habitat.</li> <li><u>Pattern seeking</u></li> <li>Look for minibeasts in different areas of the school grounds.</li> <li>Look for plants in different areas of the school grounds</li> </ul>	





<ul> <li>Encourage children to talk about the plants they find.</li> <li>Support children to name the plants they find.</li> <li>Encourage children to find the same plant in a different place.</li> <li>Ensure children are careful when observing minibeasts and return them to where they found them.</li> </ul>
--





	Throughout the Year <u>Seasonal Changes</u>	
DM objectives	Overview	Encouraging Scientific Enquiry
<ul> <li>Explore the natural world around them</li> <li>Describe what they see, hear and feel whilst outside</li> <li>Understand the effect of changing seasons on the natural world around them</li> </ul>	<ul> <li>Encourage children to talk about how they feel in different types of weather/seasons.</li> <li>Encourage children to talk about the clothes they wear in different seasons and why.</li> <li>Encourage children to talk about the weather throughout the year.</li> <li>Encourage children to find shelter or make shelters to keep themselves dry in the rain or shade themselves when it is sunny.</li> <li>Encourage children to talk about how the ground changes when it rains.</li> <li>Encourage children to talk about how the size of puddles using their feet after it rains.</li> <li>Encourage children to talk about how puddles change over time after it rains.</li> <li>Encourage children to talk about the animals and plants that they find in different seasons.</li> </ul>	<ul> <li><u>Classification</u> <ul> <li>Which clothes are suitable for each season?</li> </ul> </li> <li><u>Observing over time</u> <ul> <li>How does a puddle change over time?</li> <li>How does a snowman change as it melts?</li> <li>How does the natural world change with the seasons?</li> </ul> </li> <li><u>Researching using secondary sources</u> <ul> <li>Find out about how animals behave in different seasons.</li> </ul> </li> <li>Find out about the weather and seasons.</li> </ul>