

# EYFS Science Curriculum Overview

Advent 1	Advent 2	Lent 1	Lent 2	Pentecost 1	Pentecost 2
<p><b>Topic 1: Me and my small world</b></p> <p><b>Birth to 5 Matters:</b></p> <ul style="list-style-type: none"> <li>• Range 5 - Comments and asks questions about aspects of their familiar world such as the place where they live or the natural world</li> <li>• Range 6 - Knows about similarities and differences in relation to places, objects, materials and living things</li> </ul> <p><b>Characteristics of a scientist:</b></p> <ul style="list-style-type: none"> <li>• Make links between ideas</li> <li>• Identify, sort and group</li> </ul> <p><b>ELG:</b></p> <p>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.</p> <p><b>Key vocabulary:</b></p> <p>animal farm horse pig cow sheep body head</p>	<p><b>Topic 1: Let's go outside</b></p> <p><b>Birth to 5 Matters:</b></p> <ul style="list-style-type: none"> <li>• Looks closely at similarities, differences, patterns and change in nature</li> </ul> <p><b>Characteristics of a scientist:</b></p> <ul style="list-style-type: none"> <li>• Children concentrate and keep on trying if they encounter difficulties.</li> <li>• Collect simple information and mark make.</li> </ul> <p><b>ELG:</b></p> <p>Understand some important processes and changes in the natural world around them, including the seasons and changing states of matter</p> <p><b>Key vocabulary:</b></p> <p>mud grass water ice tree leaf sticky rough smooth wet soft hard cold dry rainy cloudy sunny windy snowy weather autumn</p> <p><b>Topic 2: What's changed?</b></p>	<p><b>Topic 1: Changes in Winter</b></p> <p><b>Birth to 5 Matters:</b></p> <ul style="list-style-type: none"> <li>• Talks about the features of their own immediate environment and how environments might vary from one another</li> <li>• Makes observations of animals and plants and explains why some things occur, and talks about changes</li> </ul> <p><b>Characteristics of a scientist:</b></p> <ul style="list-style-type: none"> <li>• Children investigate and experience things</li> <li>• Notices similarities, difference and changes</li> </ul> <p><b>ELG:</b></p> <p>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.</p> <p><b>Key vocabulary:</b></p> <p>winter cold warm freeze frozen melt ice rainy sunny frosty snowy</p>	<p><b>Topic 1: Watch it grow</b></p> <p><b>Birth to 5 Matters:</b></p> <ul style="list-style-type: none"> <li>• Range 5 - Developing an understanding of growth, decay and changes over time</li> <li>• Range 6 - Looks closely at similarities, differences, patterns and change in nature</li> </ul> <p><b>Characteristics of a scientist:</b></p> <ul style="list-style-type: none"> <li>• Enjoy achievements</li> <li>• Make observations using simple equipment</li> </ul> <p><b>ELG:</b></p> <p>Explore the natural world around them, making observations and drawing pictures of animals and plants.</p> <p><b>Key vocabulary:</b></p> <p>plant grow root stem beanstalk compost worm soil seed leaf caterpillar chrysalis butterfly petal flower bean shoot wormery pot trowel water</p> <p><b>Topic 2: Animal detectives</b></p>	<p><b>Topic 1: From city to sea</b></p> <p><b>Birth to 5 Matters:</b></p> <ul style="list-style-type: none"> <li>• Range 5 - Begin to understand the effect their behaviour can have on the environment</li> <li>• Range 6 - Talks about the features of their own immediate environment and how environments might vary from one another</li> </ul> <p><b>Characteristics of a scientist:</b></p> <ul style="list-style-type: none"> <li>• Ask 'how' and 'why' questions</li> <li>• Make links between ideas</li> </ul> <p><b>ELG:</b></p> <p>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.</p> <p><b>Key vocabulary:</b></p> <p>sea ocean city same different road building car pollution animal seaweed sand water rock</p>	<p><b>Topic 1: Happy and healthy</b></p> <p><b>Birth to 5 Matters:</b></p> <ul style="list-style-type: none"> <li>• Range 6 (Physical Development: Health and self-care)</li> <li>- Eats a healthy range of foodstuffs and understands need for variety in food</li> <li>- Describes physical changes to the body that can occur when feeling unwell, anxious, tired, angry or sad</li> </ul> <p><b>Characteristics of a scientist:</b></p> <ul style="list-style-type: none"> <li>• Children concentrate and keep on trying if they encounter difficulties</li> <li>• Talk about what they have done and found out</li> </ul> <p><b>ELG:</b></p> <p>Manage their own basic hygiene and personal needs, including dressing, going to the toilet and understanding the importance of healthy food choices.</p>

<p>arms hands mouth teeth legs feet field sty barn stable coop</p> <p><b>Topic 2: What's in my basket?</b></p> <p><b>Birth to 5 Matters:</b></p> <ul style="list-style-type: none"> <li>• Range 5 - Talks about why things happen and how things work</li> <li>• Range 6 - Knows about similarities and differences in relation to places, objects, materials and living things</li> </ul> <p><b>Characteristics of a scientist:</b></p> <ul style="list-style-type: none"> <li>• Explore and test own ideas</li> <li>• Children investigate and experience things</li> </ul> <p><b>ELG:</b> Listen attentively and respond to what they hear with relevant questions, comments and actions when being read to and during whole class discussions and small group interactions</p> <p><b>Key vocabulary:</b> fruit vegetable size big little large small rough spiky smooth colour seed heavy light</p>	<p><b>Birth to 5 Matters:</b></p> <ul style="list-style-type: none"> <li>• Range 5 - Talks about why things happen and how things work</li> <li>• Range 6 - Knows about similarities and differences in relation to places, objects, materials and living things</li> </ul> <p><b>Characteristics of a scientist:</b></p> <ul style="list-style-type: none"> <li>• Children investigate and experience things.</li> <li>• Talk about what they have done and found out.</li> </ul> <p><b>ELG:</b> Understand some important processes and changes in the natural world around them, including the seasons and changing states of matter</p> <p><b>Key vocabulary:</b> melt changed same different hard soft runny hot cold warm burn mix wet dry heat fire cool</p> <p><b>Topic 3: Night and day</b></p> <p><b>Birth to 5 Matters:</b></p> <ul style="list-style-type: none"> <li>• Range 5 - Comments and asks questions about aspects of their familiar world such as the place</li> </ul>	<p>water leaves tree change hibernate hedgehog polar, polar bear penguin fur</p> <p><b>Topic 2: Let it flow</b></p> <p><b>Birth to 5 Matters:</b></p> <ul style="list-style-type: none"> <li>• Knows about similarities and differences in relation to places, objects, materials and living things</li> </ul> <p><b>Characteristics of a scientist:</b></p> <ul style="list-style-type: none"> <li>• Children have and develop their own ideas</li> <li>• Makes attempts to solve problems</li> </ul> <p><b>ELG:</b> Understand some important processes and changes in the natural world around them, including the seasons and changing states of matter</p> <p><b>Key vocabulary:</b> water wet dry flow float sink sand mud container pour fill full empty mix large, small, tall wide shallow deep heavy</p> <p><b>Topic 3: From desert to jungle</b></p> <p><b>Birth to 5 Matters:</b></p>	<p><b>Birth to 5 Matters:</b></p> <ul style="list-style-type: none"> <li>• Range 5 - Shows care and concern for living things and the environment</li> <li>• Range 6 - Makes observations of animals and plants and explains why some things occur, and talks about changes</li> </ul> <p><b>Characteristics of a scientist:</b></p> <ul style="list-style-type: none"> <li>• Make links between ideas</li> <li>• Observe and suggest an answer to a question</li> </ul> <p><b>ELG:</b> 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.</p> <p><b>Key vocabulary:</b> animal scales feathers fur feet legs tail wings head beak snake bird pigeon magpie sort mouse frog toad cat dog fox</p> <p><b>Topic 3: Pushes and pulls</b></p> <p><b>Birth to 5 Matters:</b></p>	<p>shell village coast plastic litter helpful harmful</p> <p><b>Topic 2: Look all around</b></p> <p><b>Birth to 5 Matters:</b></p> <ul style="list-style-type: none"> <li>• Range 5 - Comments and asks questions about aspects of their familiar world such as the place where they live or the natural world</li> <li>• Range 6 - Talks about the features of their own immediate environment and how environments might vary from one another</li> </ul> <p><b>Characteristics of a scientist:</b></p> <ul style="list-style-type: none"> <li>• Children investigate and experience things</li> <li>• Shows curiosity using their senses</li> </ul> <p><b>ELG:</b> Explore the natural world around them, making observations and drawing pictures of animals and plants.</p> <p><b>Key vocabulary:</b> summer change same different tree plant leaf flower grass building school road house weather sunny rainy</p>	<p><b>Key vocabulary:</b> fruit vegetables food choice picnic doctor nurse exercise sometimes tired sport help well unwell feeling every day active body hot warm cool</p> <p><b>Foundations for Year 1:</b></p> <ul style="list-style-type: none"> <li>• Animals including humans</li> </ul> <p><b>Topic 2: Our wonderful world</b></p> <p><b>Birth to 5 Matters:</b></p> <ul style="list-style-type: none"> <li>• Range 5 - Shows care and concern for living things and the environment</li> <li>- Begin to understand the effect their behaviour can have on the environment</li> </ul> <p><b>Characteristics of a scientist:</b></p> <ul style="list-style-type: none"> <li>• Enjoy achievements</li> <li>• Ask questions to find out more</li> </ul> <p><b>ELG:</b> Give focused attention to what the teacher says, responding appropriately even when engaged in activity, and</p>
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<p><b>Topic 3: Senses</b></p> <p><b>Birth to 5 Matters:</b></p> <ul style="list-style-type: none"> <li>• Knows about similarities and differences in relation to places, objects, materials and living things</li> </ul> <p><b>Characteristics of a scientist:</b></p> <ul style="list-style-type: none"> <li>• Have a go</li> <li>• Shows curiosity using their senses</li> </ul> <p><b>ELG:</b></p> <p>Understand some important processes and changes in the natural world around them, including the seasons and changing states of matter</p> <p><b>Key vocabulary:</b></p> <p>smell touch see hear taste nose skin eyes ears mouth tongue hands face head feel sound sight sense</p>	<p>where they live or the natural world</p> <ul style="list-style-type: none"> <li>• Range 6 - Makes observations of animals and plants and explains why some things occur and talks about changes</li> </ul> <p><b>Characteristics of a scientist:</b></p> <ul style="list-style-type: none"> <li>• Develop strategies for doing things.</li> <li>• Ask questions to find out more.</li> </ul> <p><b>ELG:</b></p> <p>Understand some important processes and changes in the natural world around them, including the seasons and changing states of matter</p> <p><b>Key vocabulary:</b></p> <p>animal nocturnal owl badger fox hedgehog bat stars moon sun night light day shadow torch daylight asleep awake evening morning dark</p>	<ul style="list-style-type: none"> <li>• Talks about the features of their own immediate environment and how environments might vary from one another</li> <li>• Makes observations of animals and plants and explains why some things occur, and talks about changes</li> </ul> <p><b>Characteristics of a scientist:</b></p> <ul style="list-style-type: none"> <li>• Make links between ideas</li> <li>• Identify, sort and group</li> </ul> <p><b>ELG:</b></p> <p>Explore the natural world around them, making observations and drawing pictures of animals and plants.</p> <p><b>Key vocabulary:</b></p> <p>warm hot sandy sunny dry wet rainy jungle desert tiger zebra giraffe monkey ostrich elephant lion snake camel frog lizard scorpion</p>	<ul style="list-style-type: none"> <li>• Range 5 - Talks about why things happen and how things work</li> <li>• Range 6 - Knows about similarities and differences in relation to places, objects, materials and living things</li> </ul> <p><b>Characteristics of a scientist:</b></p> <ul style="list-style-type: none"> <li>• Develop strategies for doing things</li> <li>• Explore and test their own ideas</li> </ul> <p><b>ELG:</b></p> <p>Understand some important processes and changes in the natural world around them, including the seasons and changing states of matter</p> <p><b>Key vocabulary:</b></p> <p>push pull surface rough smooth bumpy ramp roll slide high low down up move start stop magnet attract repel stretch spin</p>	<p>cloudy windy animal warm cold</p> <p><b>Topic 3: Test it out!</b></p> <p><b>Birth to 5 Matters:</b></p> <ul style="list-style-type: none"> <li>• Range 5 - Comments and asks questions about aspects of their familiar world such as the place where they live or the natural world</li> <li>• Range 6 - Knows about similarities and differences in relation to places, objects, materials and living things</li> </ul> <p><b>Characteristics of a scientist:</b></p> <ul style="list-style-type: none"> <li>• Children have and develop their own ideas</li> <li>• Makes attempts to solve problems</li> </ul> <p><b>ELG:</b></p> <p>Understand some important processes and changes in the natural world around them, including the seasons and changing states of matter</p> <p><b>Key vocabulary:</b></p> <p>test material object best worst fabric cardboard water plastic metal hard soft wet heavy build sort thick</p>	<p>show an ability to follow instructions involving several ideas or actions.</p> <p><b>Key vocabulary:</b></p> <p>litter tidy mess recycle rubbish bin dirty clean sort plastic paper cardboard metal glass plant flower garden bee minibeast butterfly wildlife</p> <p><b>Topic 3: We're going on an animal hunt</b></p> <p><b>Birth to 5 Matters:</b></p> <ul style="list-style-type: none"> <li>• Range 5 - Shows care and concern for living things and the environment</li> <li>• Range 6 - Makes observations of animals and plants and explains why some things occur, and talks about changes</li> </ul> <p><b>Characteristics of a scientist:</b></p> <ul style="list-style-type: none"> <li>• Develop strategies for doing things</li> <li>• Record what they notice</li> </ul> <p><b>ELG:</b></p> <p>Explore the natural world around them, making observations and drawing pictures of animals and plants</p> <p><b>Key vocabulary:</b></p>
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