

## Pope Paul Catholic Primary School



# Learning in EYFS- Building Foundations in Science

The EYFS framework is structured very differently to the National Curriculum as it is organised across seven areas of learning rather than subject areas. The aim of this document is to show how the skills taught across EYFS feed into the Science national curriculum and determines which statements from the 2020 Development Matters are the prerequisite skills for the subject. The table below outlines the most relevant statements taken from the Early Learning Goals in the EYFS statutory framework and the Development Matters age ranges for Three and Four-Year-Olds and Reception in Science.

	3 & 4-year-olds will be learning to:	Children in Reception will be learning to:	ELG
Expressive Arts and Design	<ul style="list-style-type: none"> <li>Explore different materials freely, in order to develop their ideas about how to use them and what to make.</li> <li>Develop their own ideas and then decide which materials to use to express them.</li> <li>Join different materials and explore different textures.</li> </ul>		<b><u>Creating with Materials</u></b> <ul style="list-style-type: none"> <li>Safely use and explore a variety of materials, tools and techniques, experimenting with colour, design, texture, form and function.</li> </ul>
Understanding the World	<ul style="list-style-type: none"> <li>Explore how things work.</li> <li>Plant seeds and care for growing plants.</li> <li>Understand the key features of the life cycle of a plant and an animal.</li> <li>Begin to understand the need to respect and care for the natural environment and all living things.</li> <li>Explore and talk about different forces they can feel.</li> <li>Talk about the differences between materials and changes they notice.</li> </ul>	<ul style="list-style-type: none"> <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>	<b><u>The Natural World</u></b> <ul style="list-style-type: none"> <li>Explore the natural world around them, making observations and drawing pictures of animals and plants.</li> <li>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.</li> <li>Understand some important processes and changes in the natural world around them, including the seasons and changing states of matter.</li> </ul>
Physical development	<ul style="list-style-type: none"> <li>Make healthy choices about food, drink, activity and toothbrushing.</li> </ul>	<ul style="list-style-type: none"> <li>Know and talk about the different factors that support their overall health and wellbeing: <ul style="list-style-type: none"> <li>regular physical activity</li> <li>healthy eating</li> <li>toothbrushing</li> <li>sensible amounts of 'screen time'</li> <li>having a good sleep routine</li> <li>being a safe pedestrian</li> </ul> </li> </ul>	

Communication and Language	<ul style="list-style-type: none"> <li>Understand 'why' questions, like: "Why do you think the caterpillar got so fat?"</li> </ul>	<ul style="list-style-type: none"> <li>Learn new vocabulary.</li> <li>Ask questions to find out more and to check what has been said to them.</li> <li>Articulate their ideas and thoughts in well-formed sentences.</li> <li>Describe events in some detail.</li> <li>Use talk to work out problems and organise thinking and activities. Explain how things work and why they might happen.</li> <li>Use new vocabulary in different contexts.</li> </ul>	<p><b><u>Listening, Attention and Understanding</u></b></p> <p>Make comments about what they have heard and ask questions to clarify their understanding.</p>
Personal, Social and Emotional Development			<p><b><u>Managing Self</u></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>