

## What does Science look like in EYFS?

The EYFS framework is organised into 7 areas of learning rather than individual subjects. Science can be seen prominently in three of these areas within Nursery and Reception:

- Communication and Language
- Personal, Social and Emotional Development
- Understanding the World

The learning that happens in EYFS forms the basis for the national curriculum in science and lays the foundations of the skills and knowledge for the KS1 curriculum. Children begin to ask questions and use their senses to understand the world around them.

	Nursery	Reception
<b>Communication and Language</b>	<ul style="list-style-type: none"> <li>• Children develop skills by understanding ‘<b>why</b>’ questions like: “Why do you think the caterpillar got so fat?”.</li> </ul>	<ul style="list-style-type: none"> <li>• Learning new vocabulary and using it in different contexts.</li> <li>• Asking questions to find out more and to check what has been said to them.</li> <li>• Articulating their ideas and thoughts in well-formed sentences.                             <ul style="list-style-type: none"> <li>• Describing events in some detail.</li> </ul> </li> <li>• Using talk to help work out problems and organise thinking and activities, and they explain how things work and why they might happen.</li> </ul>
<b>Personal, Social and Emotional</b>	<ul style="list-style-type: none"> <li>• making healthy choices about food, drink, Physical activity and toothbrushing.</li> </ul>	<ul style="list-style-type: none"> <li>• talking 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> </ul> </li> <li>• sensible amounts of ‘screen time’                             <ul style="list-style-type: none"> <li>• having a good sleep routine</li> <li>• being a safe pedestrian</li> </ul> </li> </ul>
<b>Understand the World</b>	<ul style="list-style-type: none"> <li>• Using all their senses in hands-on exploration of natural materials.</li> <li>• Exploring collections of materials with similar and/or different properties.                             <ul style="list-style-type: none"> <li>• Talking about what they see.</li> </ul> </li> <li>• Beginning to make sense of their own life-story and family’s history.                             <ul style="list-style-type: none"> <li>• Exploring how things work.</li> </ul> </li> <li>• Planting seeds and care for growing plants.</li> <li>• Understanding the key features of the life cycle of a plant and an animal.</li> <li>• Beginning to understand the need to respect and care for the natural environment and all living things.</li> <li>• Exploring and talk about different forces they can feel.</li> <li>• Talking about the differences between materials and changes they notice.</li> </ul>	<ul style="list-style-type: none"> <li>• Exploring the natural world around them.</li> <li>• Describing what they see, hear and feel while they are outside.</li> <li>• Recognising some environments that are different to the one in which they live.</li> <li>• Understanding the effect of changing seasons on the natural world around them.</li> </ul>

By the end of EYFS children should be able to:

- make comments about the world and ask questions.
- Manage their own basic hygiene and personal needs
- make observations by drawing pictures of the world and their own and other environments.
- understand some important processes and changes in the natural world around them, including the seasons and changing states of matter.

What this will look like in EYFS-

Children will:

- Explore their own bodies and their senses
- Begin to name parts of their body and what we use them for.
- Learn about animals and their homes, including pets, farm animals and wild animals.
- Observe changes such as caterpillars turning into butterflies, seasons changing, plants growing from seeds and flowers growing. They are supported to talk about what is happening and why.
- Learn about being healthy, including healthy eating and taking part in exercise.
- Develop a sense of curiosity and exploration through a range of resources relating to their topics e.g.- magnifying glasses, magnets, things to smell and taste, sand, water, small world, forest school.