

Science in EYFS

The EYFS framework is structured very differently to the national curriculum as it is organised across seven areas of learning rather than subject areas. These areas are Communication and Language, Personal, Social and Emotional Development (PSED), Physical Development, Mathematics, Literacy, Understanding the World and Expressive Art and Design. These seven areas of learning are further divided into Early Learning Goals (ELG's). ELG's are the targets that the children are expected to achieve at the end of their reception year.

The seven areas of learning are divided as follows:

Area of Learning	Early Learning Goals (ELG's)	
Communication and Language	Listening, Attention and Understanding	
	Speaking	
Personal, Social and Emotional Development (PSED)	Self-Regulation	
	Managing Self	
	Building Relationships	
Physical Development	Gross Motor Skills	
	Fine Motor Skills	
Mathematics	Number	
	Numerical Patterns	
Literacy	Reading	Comprehension
		Word Reading
	Writing	
Understanding the World	Past & Present	
	People, Culture and Communities	
	The Natural World	
Expressive Art and Design.	Creating with Materials	
	Being Imaginative and Expressive	

As a subject leader, it is important to note how the different skills taught across the seven areas of learning feed into national curriculum subjects.

These statements from the 2020 Development Matters are prerequisite skills for Science within the national curriculum. 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 to match the programme of study for Science.

The most relevant statements for Science are taken from the following areas of learning:

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

Science		
Three and Four Year Olds	Communication and Language	<ul style="list-style-type: none"> • Understand 'why' questions, like: "Why do you think the caterpillar got so fat?"
	Personal, Social and Emotional Development	<ul style="list-style-type: none"> • Make healthy choices about food, drink, activity and toothbrushing.
	Understanding the World	<ul style="list-style-type: none"> • Use all their senses in hands-on exploration of natural materials. • Explore collections of materials with similar and/or different properties. • Talk about what they see, using a wide vocabulary. • Begin to make sense of their own life-story and family's history. • Explore how things work. • Plant seeds and care for growing plants. • Understand the key features of the life cycle of a plant and an animal. • Begin to understand the need to respect and care for the natural environment and all living things. • Explore and talk about different forces they can feel. • Talk about the differences between materials and changes they notice.
Reception	Communication and Language	<ul style="list-style-type: none"> • Learn new vocabulary. • Ask questions to find out more and to check what has been said to them. • Articulate their ideas and thoughts in well-formed sentences. • Describe events in some detail. • Use talk to help work out problems and organise thinking and activities, and to explain how things work and why they might happen. • Use new vocabulary in different contexts.
	Personal, Social and Emotional Development	<ul style="list-style-type: none"> • Know and talk about the different factors that support their overall health and wellbeing: <ul style="list-style-type: none"> - regular physical activity - healthy eating - toothbrushing - sensible amounts of 'screen time' - having a good sleep routine - being a safe pedestrian
	Understanding the World	<ul style="list-style-type: none"> • Explore the natural world around them. • Describe what they see, hear and feel while they are outside.

			<ul style="list-style-type: none"> • Recognise some environments that are different to the one in which they live. • Understand the effect of changing seasons on the natural world around them.
Early Learning Goal (ELG)	Communication and Language	Listening, Attention and Understanding	<ul style="list-style-type: none"> • Make comments about what they have heard and ask questions to clarify their understanding.
	Personal, Social and Emotional Development	Managing Self	<ul style="list-style-type: none"> • Manage their own basic hygiene and personal needs, including dressing, going to the toilet and understanding the importance of healthy food choices.
	Understanding the World	The Natural World	<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.