

# Learning in EYFS:

## EYFS & NATIONAL CURRICULUM LINKS - SCIENCE

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 help subject leaders to understand how the skills taught across EYFS feed into national curriculum subjects.

This document demonstrates which 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
- Physical Development
- Understanding the World

Science		
Three and Four-Year-Olds (Some children may be working at this level)	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>
	Physical Development	<ul style="list-style-type: none"> <li>• Make healthy choices about food, drink, activity and toothbrushing.</li> </ul>
	Understanding the World	<ul style="list-style-type: none"> <li>• Use all their senses in hands-on exploration of natural materials.</li> <li>• Explore collections of materials with similar and/or different properties.</li> <li>• Talk about what they see, using a wide vocabulary.</li> <li>• Begin to make sense of their own life-story and family's history.</li> <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>
Reception Development Matters	Communication and Language	<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>

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

## Notes

In addition Children will be developing skills in

### **Communication and Language**

#### **Development Matters**

- Understand how to listen carefully and why listening is important
- Connect one idea or action to another using a range of connectives

#### **ELG's in this area**

##### Listening Attention and Understanding

- Listen attentively and respond to what they hear with relevant questions, comments and actions during whole class discussions and small group interactions
- Hold conversation when engaged in back and forth exchanges with their teachers and peers

##### Speaking

- Participate in small group, class and one-to-one discussions, offering their own ideas, using recently introduced vocabulary
- Express their ideas and feelings about their experiences using full sentences including accurate use of past, present and future tenses and making use of conjunctions with modelling and support from their teacher.

### **Personal, Social and Emotional**

#### **Development Matters**

- Show resilience and perseverance in the face of challenge

#### **ELGs in this area**

##### Self-Regulation

- Set and work towards simple goals, being able to wait for what they want and control their immediate impulses when appropriate.
- Give focused attention to what the teacher says responding appropriately even when engaged in activity, and show an ability to follow instructions involving several ideas of actions.

#### Managing Self

- Be confident to try new activities and show independence, resilience and perseverance in the face of challenge

#### Building Relationships

- Work and play cooperatively and take turns with others