

### Mapping the EYFS curriculum to KS1 Science

<b>Key Stage</b>	<b>Curriculum area</b>	<b>Curriculum statement</b>
EYFS	Communication and Language Birth to Three	Understand simple questions about 'who', 'what' and 'where'
EYFS	Communication and Language Three and Four	Understand 'why' questions. Use longer sentences.
EYFS	Communication and Language Reception	Understand how to listen carefully, and why this is important. Learn new vocabulary. Use new vocabulary. Ask questions to find out more and to check they understand what has been said to them. Articulate their ideas and thoughts in well-formed sentences. Connect one idea or action to another using a range of connectives. 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. Engage in non-fiction books. Listen to and talk about selected non-fiction to develop a deep familiarity with new knowledge and vocabulary
KS1	Working scientifically	Ask simple questions and recognise that they can be answered in different ways. Identify and classify. Use their observations and ideas to suggest answers to questions.
EYFS	Personal, Social and Emotional Development Birth to Three	Notice and ask questions about differences.
EYFS	Personal, Social and Emotional Development Threes and Fours	Select and use activities and resources, with help when needed.
EYFS	Personal, Social and Emotional Development Reception	Show resilience and perseverance in the face of challenge. Know and talk about the different factors that support their overall health and wellbeing.
KS1	Working scientifically	Ask simple questions and recognise that they can be answered in different ways. Observe closely. Gather and record data.

KS1	Animals including humans Year 2	Find out about and describe the basic needs of animals, including humans, for survival. Describe the importance for humans of exercise, eating the right amounts of different types of food, and hygiene
EYFS	Physical Development Birth to Three	Use large and small motor skills to do things independently. Show an increasing desire to be independent. Develop manipulation and control. Explore different materials and tools.
EYFS	Physical Development Three and Four	Choose the right resources to carry out their own plan. Use one-handed tools and equipment. Use a comfortable grip with good control when holding pens and pencils.
EYFS	Physical Development Reception	Develop their small motor skills so that they can use a range of tools competently, safely and confidently. Develop the foundations of a handwriting style which is fast, accurate and efficient.
KS1	Working scientifically	Observe closely, using simple equipment. Perform simple tests. Gather and record data.
KS1	Everyday materials Year 1	Distinguish between an object and the material from which it is made. Identify and name a variety of everyday materials, including wood, plastic, glass, metal and rock. Describe the simple physical properties of a variety of everyday materials. Compare and group together a variety of everyday materials on the basis of their simple physical properties.
EYFS	Literacy Birth to Three	Enjoy sharing books with an adult. Ask questions about books, make comments and share their own ideas. Enjoy drawing freely. Add some marks to their drawings, which they gave meaning to.
EYFS	Literacy Three and Four	Engage in extended conversations about stories, learning new vocabulary.
EYFS	Literacy Reception	Write short sentences with words with known sound-letter correspondences.
KS1	Working scientifically	Identify and classify.
KS1	Plants Year 1	Identify and name a variety of common wild and garden plants, including deciduous and evergreen trees.

KS1	Animals including humans	<p>Identify and name a variety of common animals, including fish, amphibians, reptiles, birds and mammals.</p> <p>Identify and name a variety of common animals that are carnivores, herbivores and omnivores.</p> <p>Identify, name, draw and label the basic parts of the human body and say which part of the body is associated with each sense.</p>
EYFS	Mathematics Birth to Three	<p>Count in everyday contexts.</p> <p>Build with a range of resources.</p> <p>Compare sizes, weight etc.</p> <p>Notice patterns and arrange things in patterns.</p>
EYFS	Mathematics Three and Four	<p>Compare quantities using language.</p> <p>Talk about and explore 2D and 3D shapes.</p> <p>Discuss routes and location.</p> <p>Make comparisons between objects relating to size, length, weight and capacity.</p> <p>Select shapes appropriately.</p> <p>Talk about and identify the patterns around them.</p> <p>Begin to describe a sequence of events, real or fictional, using words such as 'first', 'then'</p>
EYFS	Mathematics Reception	<p>Count objects, actions and sounds.</p> <p>Link the number symbol with its cardinal number value.</p> <p>Compare numbers.</p> <p>Select, rotate and manipulate shapes to develop spatial reasoning skills.</p> <p>Continue, copy and create repeating patterns.</p> <p>Compare length, weight and capacity.</p>
KS1	Working scientifically	Gather and record data to help in answering questions.
EYFS	Understanding the World Birth to Three	<p>Explore materials with different properties.</p> <p>Explore natural materials, indoors and outside.</p>
EYFS	Understanding the World Three and Four	<p>Use all their senses in hands-on exploration of natural materials.</p> <p>Explore collections of materials with similar and/or different properties.</p> <p>Explore how things work.</p> <p>Explore and talk about the different forces they can feel.</p> <p>Talk about the differences between materials and changes they notice.</p>
EYFS	Understanding the World Reception	<p>Explore the natural world around them.</p> <p>Describe what they see, hear and feel whilst outside.</p>
KS1	Everyday materials Year 1	Distinguish between an object and the material from which it is made.

		<p>Identify and name a variety of everyday materials, including wood, plastic, glass, metal and rock.</p> <p>Describe the simple physical properties of a variety of everyday materials.</p> <p>Compare and group together a variety of everyday materials on the basis of their simple physical properties.</p>
KS1	Uses of everyday materials Year 2	Find out how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching.
KS1	Working scientifically	<p>Ask simple questions and recognise that they can be answered in different ways.</p> <p>Observe closely, using simple equipment.</p> <p>Perform simple tests.</p> <p>Identify and classify.</p> <p>Use their observations and ideas to suggest answers to questions.</p> <p>Gather and record data to help in answering questions</p>
EYFS	Understanding the World Birth to Three	Explore and respond to different natural phenomena in their setting and on trips.
EYFS	Understanding the World Three and Four	<p>Notice differences between people.</p> <p>Talk about what they see, using a wide vocabulary.</p> <p>Show interest in different occupations.</p> <p>Understand the key features of the life-cycle of a plant and an animal.</p> <p>Begin to understand the need to respect and care for the natural environment and all living things.</p> <p>Name and describe people who are familiar to them.</p>
EYFS	Understanding the World Reception	<p>Explore the natural world around them.</p> <p>Describe what they see, hear and feel whilst outside.</p> <p>Recognise some similarities and differences between life in this country and life in other countries.</p> <p>Recognise some environments that are different from the one in which they live.</p> <p>Understand the effect of changing seasons on the natural world around them.</p>
KS1	Animals including humans Year 1	<p>Identify and name a variety of common animals, including fish, amphibians, reptiles, birds and mammals.</p> <p>Identify and name a variety of common animals that are carnivores, herbivores and omnivores.</p> <p>Identify, name, draw and label the basic parts of the human body and say which part of the body is associated with each sense.</p>

		Describe and compare the structure of a variety of common animals.
KS1	Seasonal change Year 1	Observe changes across the four seasons. Observe and describe weather associated with the seasons and how day length varies.
KS1	Living things and their habitats Year 2	Explore and compare the differences between things that are living, dead and thing that have never lived. Identify that most living things live in habitats to which they are suited and describe how different habitats provide for the basic needs of different kinds of animals and plants, and how they depend on each other. Identify and name a variety of plants and animals in their habitats, including microhabitats. Describe how animals obtain their food from plants and other animals.
KS1	Animals including humans Year 2	Notice that animals, including humans, have offspring that grow into adults. Find out about and describe the basic needs of animals, including humans, for survival
KS1	Working scientifically	Ask simple questions and recognise that they can be answered in different ways. Observe closely, using simple equipment. Perform simple tests. Identify and classify. Use their observations and ideas to suggest answers to questions. Gather and record data to help in answering questions
EYFS	Understanding the World Birth to Three	Explore and respond to different natural phenomena in their setting and on trips.
EYFS	Understanding the World Three and Four	Talk about what they see, using a wide vocabulary. Show interest in different occupations. 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. Name and describe people who are familiar to them.
EYFS	Understanding the World Reception	Comment on images of familiar situations in the past. Explore the natural world around them. Describe what they see, hear and feel whilst outside. Recognise some environments that are different from the one in which they live.

		Understand the effect of changing seasons on the natural world around them.
KS1	Plants Year 1	Identify and name a variety of common wild and garden plants, including deciduous and evergreen trees. Identify and describe the basic structure of a variety of common flowering plants, including trees.
KS1	Living things and their habitats Year 2	Explore and compare the differences between things that are living, dead and thing that have never lived. Identify that most living things live in habitats to which they are suited and describe how different habitats provide for the basic needs of different kinds of animals and plants, and how they depend on each other. Identify and name a variety of plants and animals in their habitats, including microhabitats.
KS1	Plants Year 2	Observe and describe how seeds and bulbs grow into mature plants. Find out and describe how plants need water, light and a suitable temperature to grow and stay healthy.
KS1	Working scientifically	Ask simple questions and recognise that they can be answered in different ways. Observe closely, using simple equipment. Perform simple tests. Identify and classify. Use their observations and ideas to suggest answers to questions. Gather and record data to help in answering questions
EYFS	Expressive Arts and Design Birth to Three	Start to make marks intentionally. Express ideas though making marks. Explore different materials, using all their senses to investigate them. Manipulate and play with different materials. Make simple models which express their ideas.
EYFS	Expressive Arts and Design Three and Four	Explore different materials freely. Join different materials. Play instruments with increasing control.
EYFS	Expressive Arts and Design Reception	Explore and engage in music making
KS1	Working scientifically	Gather and record data.
KS1	Everyday materials Year 1	Distinguish between an object and the material from which it is made.

		<p>Identify and name a variety of everyday materials, including wood, plastic, glass, metal and rock.</p> <p>Describe the simple physical properties of a variety of everyday materials.</p> <p>Compare and group together a variety of everyday materials on the basis of their simple physical properties.</p>
KS1	Uses of everyday materials Year 2	Identify and compare the suitability of a variety of everyday materials, for different uses.
KS2	Sound Year 4	<p>Identify how sounds are made, associating some of them with something vibrating.</p> <p>Find patterns between the pitch of a sound and the features of the object that produced it.</p> <p>Find patterns between the volume of a sound and the strength of the vibrations that produced it.</p>