

Progression of Skills – Science

<h2>Reception</h2>	
Understanding the world	<ul style="list-style-type: none"> ● Explore the natural world around them. ● Describe what they see, hear and feel whilst outside. ● 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. <p>The Natural World</p> <ul style="list-style-type: none"> ● Explore the natural world around them, making observations and drawing pictures of animals and plants. (ELG) ● 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. (ELG) ● Understand some important processes and changes in the natural world around them, including the seasons and changing states of matter. (ELG)
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. <p>Listening, Attention and Understanding</p> <ul style="list-style-type: none"> ● Make comments about what they have heard and ask questions to clarify their understanding. (ELG)
PSED	<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 ● Managing Self ● Manage their own basic hygiene and personal needs, including dressing, going to the toilet and understanding the importance of healthy food choices. (ELG)

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Animals including humans	
Year 1	Year 2
<ul style="list-style-type: none"> ● Identify and name a variety of common animals including fish, amphibians, reptiles, birds and mammals ● Identify and name a variety of common animals that are carnivores, herbivores and omnivores ● Describe and compare the structure of a variety of common animals (fish, amphibians, reptiles, birds and mammals including pets) ● Identify, name, draw and label the basic parts of the human body and say which part of the body is associated with each sense 	<ul style="list-style-type: none"> ● Notice that animals, including humans, have offspring which grow into adults ● Find out about and describe the basic needs of animals, including humans, for survival (water, food and air) ● Describe the importance for humans of exercise, eating the right amounts of different types of food, and hygiene
Autumn 1 Spring 2	Autumn 1, Autumn 2 Spring 2 Summer 2, Summer 4
Living things and their habitats	
Year 1	Year 2
	<ul style="list-style-type: none"> ● Explore and compare the differences between things that are living, dead, and things that have never been alive ● 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, using the idea of a simple food chain, and identify and name different sources of food

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	Spring 2 Summer 2, Summer 4
Plants	
Year 1	Year 2
<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> 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
Spring 1, Spring 5 Summer 1, Summer 2	Spring 1, Spring 3 Summer 1, Summer 3
Materials	
Year 1	Year 2
<ul style="list-style-type: none"> 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, water, 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 	<ul style="list-style-type: none"> Identify and compare the suitability of a variety of everyday materials, including wood, metal, plastic, glass, brick, rock, paper and cardboard for particular uses Find out how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching
Autumn 3	Autumn 3
Seasonal changes	
Year 1	Year 2
<ul style="list-style-type: none"> Observe changes across the 4 seasons 	



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<ul style="list-style-type: none"> Observe and describe weather associated with the seasons and how day length varies 	
Autumn 2, Autumn 4 Spring 4 Summer 4	

WORKING SCIENTIFICALLY

Ask questions	
Year 1	Year 2
Ask simple questions.	<ul style="list-style-type: none"> Ask simple questions and recognise that they can be answered in different ways.
Plan	
Year 1	Year 2
Verbally state what they are going to investigate.	<ul style="list-style-type: none"> Make simple predictions based on a question. Identify what they will change and keep the same.
Make observations	
Year 1	Year 2
Observe closely.	Observe closely, using simple equipment.
Take measurements	
Year 1	Year 2
Carry out simple tests using non- standard measurements when appropriate.	Perform simple tests using standard units when appropriate.



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Gather, record and classify data	
Year 1	Year 2
Gather and record simple data. Sort objects and living things into groups based on simple properties.	Gather and record data to help in answering questions. Identifying and classifying.
Present findings	
Year 1	Year 2
Explain what they found out to an adult or a partner.	Talk about what they have found out and how they found it out. (non-statutory)
Answer questions and make conclusions	
Year 1	Year 2
Answer simple questions.	Use their observations and ideas to suggest answers to questions.