

Long Term Science Plan 2024- 2025

Hedgehogs * new curriculum added in spring 2025

Autumn	*Summer	Spring
<p>Humans (N/R)</p> <ul style="list-style-type: none"> Learn about the life cycles of humans Learn about how to take care of themselves Learn about their senses Describe people who are familiar to them Learn about how to take care of themselves. <p>Sound (N/R)</p> <ul style="list-style-type: none"> Listen to sounds Make sounds Listen to sounds outside and identify the source Make sounds <p>Animals including humans (Year 1)</p> <ul style="list-style-type: none"> 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>Animals including humans (Year 2)</p> <ul style="list-style-type: none"> 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. 	<p>Materials, including changing materials (N/R)</p> <ul style="list-style-type: none"> Explore a range of materials Shape and join materials Explore a range of materials, including natural materials Make objects from different materials, including natural materials Observe, measure and record how materials change when heated and cooled. Compare how materials change over time and in different conditions. <p>Forces (N/R)</p> <ul style="list-style-type: none"> Feel forces Explore how things work Explore how objects/materials are affected by forces Explore how to change how things work Explore how the wind can move objects Explore how objects move in water <p>Everyday materials (Year 1)</p> <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. <p>Uses of everyday materials (Year 2)</p> <ul style="list-style-type: none"> Identify and compare the 	<p>Plants (N/R)</p> <ul style="list-style-type: none"> Grow plants <p>Plants (Year 1)</p> <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. <p>Plants (Year 2)</p> <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. <p>Living things and their habitats (Year 2)</p> <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. <p>Animals including humans (Year 1)</p>

	<p>suitability of a variety of everyday materials, including wood, metal, plastic, glass, metal, water and rock.</p> <ul style="list-style-type: none"> Find out how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching. 	<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). <p>Animals including Humans (Year 2)</p> <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).
<p>Seasonal Changes (N/R)</p> <ul style="list-style-type: none"> Play and explore outside in all seasons and in different weather Observe living things throughout the year Explore the natural world around them. Describe what they see, hear and feel whilst outside. Understand the effect of changing seasons on the natural world around them. Understand some important processes and changes in the natural world around them, including the seasons and changing states of matters <p>Seasonal Changes (Year 1)</p> <ul style="list-style-type: none"> Observe changes across the four seasons. Observe and describe weather associated with the seasons and how day length varies. 	<p>Seasonal Changes (N/R)</p> <ul style="list-style-type: none"> Play and explore outside in all seasons and in different weather Observe living things throughout the year Explore the natural world around them. Describe what they see, hear and feel whilst outside. Understand the effect of changing seasons on the natural world around them. Understand some important processes and changes in the natural world around them, including the seasons and changing states of matter <p>Seasonal Changes (Year 1)</p> <ul style="list-style-type: none"> Observe changes across the four seasons. Observe and describe weather associated with the seasons and how day length varies. 	<p>Seasonal Changes (N/R)</p> <ul style="list-style-type: none"> Play and explore outside in all seasons and in different weather Observe living things throughout the year Explore the natural world around them. Describe what they see, hear and feel whilst outside. Understand the effect of changing seasons on the natural world around them. Understand some important processes and changes in the natural world around them, including the seasons and changing states of matter <p>Light (N/R)</p> <ul style="list-style-type: none"> Explore shadows Explore rainbows <p>Seasonal Changes (Year 1)</p> <ul style="list-style-type: none"> Observe changes across the four seasons.

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| | | <ul style="list-style-type: none">● Observe and describe weather associated with the seasons and how day length varies. |
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Working Scientifically Years 1 and 2

- Asking simple questions and recognising that they can be answered in different ways.
- Observing closely, using simple equipment.
- Performing simple tests.
- Identifying and classifying.
- Using their observations and ideas to suggest answers to questions.
- Gathering and recording data to help in answering questions.