

Science Progression Grid Class 2

Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Animals including Humans (2)	Uses of Everyday Materials (2)	Living Things and Their Habitats (2)	Plants (2)	Environment (2)	Scientists and Inventors (2)
<p>What do we want children to know and remember? (Knowledge, skills and vocab – vocabulary is shown in bold, minimum learning highlighted in yellow)</p> <ul style="list-style-type: none"> notice that animals, including humans, have offspring which grow into adults; lamb and sheep find out about and describe the basic needs of animals, including humans, for survival (water, hydration, nutrient and air); describe the importance for humans of exercise, eating the right amounts of different types of food, and hygiene. 	<p>What do we want children to know and remember? (Knowledge, skills and vocab – vocabulary is shown in bold, minimum learning highlighted in yellow)</p> <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. 	<p>What do we want children to know and remember? (Knowledge, skills and vocab – vocabulary is shown in bold, minimum learning highlighted in yellow)</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>What do we want children to know and remember? (Knowledge, skills and vocab – vocabulary is shown in bold, minimum learning highlighted in yellow)</p> <ul style="list-style-type: none"> observe and describe how seeds and bulbs produce shoots and grow into mature plants; find out and describe how plants need water, light and a suitable temperature to grow and stay healthy. 	<p>What do we want children to know and remember? (Knowledge, skills and vocab – vocabulary is shown in bold, minimum learning highlighted in yellow)</p> <ul style="list-style-type: none"> introduces children to the ecological challenges that face the modern world including climate change challenge children to engage with environmental issues such as renewable energy to understand the simple changes, we can make to live more sustainable lives. <p>Global warming Recycle Solar Electric cars/ Fossil fuel Coal, oil, electric</p>	<p>What do we want children to know and remember? (Knowledge, skills and vocab – vocabulary is shown in bold, minimum learning highlighted in yellow)</p> <p>This unit will teach the children about famous scientists and inventors linked to the year 2 science curriculum.</p> <p>To revisit and reinforce vocabulary and learning from the year through the introduction of a scientist/invention to ensure children know and remember</p> <ul style="list-style-type: none"> about the invention of the waterproof coat about the work of doctors and will learn about Elizabeth Garrett Anderson (first woman doctor in Britain) how to create a greenhouse based on the invention of the biomes at the Eden Project how germs are spread, looking at the work of Louis Pasteur

					<ul style="list-style-type: none">• the effects of water pollution as discovered by Rachel Carson (research on ocean habitats)• development of wind turbines and how this invention is used to generate power.
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