

Science Progression

Science

Year 2	
Autumn 1	Autumn 2
<p><b>Animals including Humans (diet and health)</b></p> <ul style="list-style-type: none"> <li>• <i>Find out about and describe the basic needs of animals, including humans, for survival (water, food and air)</i> <ul style="list-style-type: none"> <li>• <i>Describe the importance for humans of exercise, eating the right amounts of different types of food, and hygiene</i></li> </ul> </li> </ul> <p><b>Lesson 1-</b> Find out about and describe the basic needs of animals (including humans), for survival (water, food, air)</p> <p><b>Lesson 2-</b> Learn the importance of nutrition for humans</p> <p><b>Lesson 3-</b> Know how to keep healthy through diet</p> <p><b>Lesson 4-</b> Discuss the importance of exercise, a healthy diet and hygiene</p> <p><b>Lesson 5-</b> Know how to keep healthy through daily exercise</p>	<p><b>Animals including Humans (growth)</b></p> <ul style="list-style-type: none"> <li>• <i>Notice that animals, including humans, have offspring which grow into adults</i></li> </ul> <p><b>Lesson 1-</b> Learn the life cycle of birth, growth, reproduction and death</p> <p><b>Lesson 2-</b> Learn about reproduction and growth in animals</p> <p><b>Lesson 3-</b> Learn how humans grow by looking at how babies grow into adults</p> <p><b>Lesson 4-</b> Describe the changes of life from adulthood to old age</p> <p><b>Lesson 5-</b> Know the life cycle of a frog</p> <p><b>Lesson 6-</b> Describe the life cycle of a butterfly</p> <p><b>Lesson 7-</b> Compare generations of families to help understand how characteristics are inherited</p>

Year 2	
Spring 1	Spring 2
<p style="text-align: center;"><b>Living things and their habitats</b></p> <ul style="list-style-type: none"> <li>• <i>Explore and compare the differences between things that are living, dead, and things that have never been alive</i></li> <li>• <i>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</i></li> <li>• <i>Identify and name a variety of plants and animals in their habitats, including microhabitats</i></li> <li>• <i>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</i></li> </ul> <p><b>Lesson 1-</b> Explore the differences between things that are living, dead and things which have never been alive.</p> <p><b>Lesson 2-</b> Identify and name a variety of plants and animals in a microhabitat</p> <p><b>Lesson 3-</b> Describe how animals obtain their food from plants</p> <p><b>Lesson 4-</b> Know about different sources of food grown by farmers</p> <p><b>Lesson 5-</b> Understand the journey food makes from the farm to the supermarket</p> <p><b>Lesson 6:</b> Learn about the food chain</p>	<p style="text-align: center;"><b>Habitats around the world</b></p> <ul style="list-style-type: none"> <li>• <i>Explore and compare the differences between things that are living, dead, and things that have never been alive</i></li> <li>• <i>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</i></li> <li>• <i>Identify and name a variety of plants and animals in their habitats, including microhabitats</i></li> <li>• <i>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</i></li> </ul> <p><b>Lesson 1-</b> Know that living things live in environments to which they are suited</p> <p><b>Lesson 2-</b> Appreciate that environments are constantly changing</p> <p><b>Lesson 3-</b> Describe life in the ocean</p> <p><b>Lesson 4-</b> Appreciate the dangers to ocean life</p> <p><b>Lesson 5-</b> Explore the Arctic and Antarctic habitat</p> <p><b>Lesson 6-</b> Explore the rainforest and its problems</p> <p><b>Lesson 7-</b> Understand desert, underground and ocean habitats</p>

Year 2	
Summer 1	Summer 2
<p style="text-align: center;"><b>Everyday materials and their uses</b></p> <ul style="list-style-type: none"> <li>• <i>Identify and compare the suitability of a variety of everyday materials, including wood, metal, plastic, glass, brick, rock, paper and cardboard for particular uses</i></li> <li>• <i>Find out how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching</i></li> </ul> <p><b>Lesson 1-</b> Explore the work of Charles Macintosh; understand how the properties of materials can be changed</p> <p><b>Lesson 2-</b> Know about John McAdam’s invention, Recognise that new materials are constantly being invented</p> <p><b>Lesson 3-</b> Explore the work of John Dunlop ; identify and compare the usefulness of certain materials when forces are applied</p> <p><b>Lesson 4-</b> Explain why we use certain materials</p> <p><b>Lesson 5-</b> Investigate squashing, bending, twisting and stretching</p> <p><b>Lesson 6:</b> Compare the uses of everyday materials</p>	<p style="text-align: center;"><b>Plants – Growth and Care</b></p> <ul style="list-style-type: none"> <li>• <i>Observe and describe how seeds and bulbs grow into mature plants</i></li> <li>• <i>Find out and describe how plants need water, light and a suitable temperature to grow and stay healthy</i></li> </ul> <p><b>Lesson 1-</b> Understand what plants need in order to thrive</p> <p><b>Lesson 2-</b> Understand that plants need water, light and a suitable temperature in order to grow well.</p> <p><b>Lesson 3-</b> Understand the difference between a bulb and a seed.</p> <p><b>Lesson 4-</b> Understand that plants make their own food</p> <p><b>Lesson 5-</b> Know how plants grow from a seed into a plant</p> <p><b>Lesson 6-</b> Recognise the importance of flowers and seeds</p>