

Long term plan for Science 2020

	<b>Autumn 1</b>	<b>Autumn 2</b>	<b>Spring 1</b>	<b>Spring 2</b>	<b>Summer 1</b>	<b>Summer 2</b>
<b>Year 1</b>	<p>Materials (1 of 2)</p> <p><b>What are things made of?</b></p> <p>Identify and name everyday materials and understand their properties</p>	<p>Animals and Seasonal changes</p> <p><b>What animal am I?</b></p> <p>Identify different classes of animals and their skeletons and observe the changes in Autumn</p>	<p>Animals and Seasonal changes</p> <p><b>What am I and how do I work?</b></p> <p>Identify basic parts of the human body and identify which parts of the body are associated to each sense.</p>	<p>Plants and Seasonal Changes</p> <p><b>What can I see outside in my garden?</b></p> <p>Identify common garden plants, how they grow and can be grouped and observe the changes in the seasons</p>	<p>Materials (2 of 2) and Seasonal Changes</p> <p><b>What can I make out of this material?</b></p> <p>Identify common materials and then investigate which materials are best for a given task. Observe the changes in daylight and seasons</p>	<p>Animals including humans and Seasonal Changes</p> <p><b>Why do I need to look after my self?</b></p> <p>Understand that humans have babies and how to look after myself to promote health and hygiene</p>
<b>Year 2</b>	<p>Animals including humans</p> <p><b>What do we need to do to survive and stay healthy?</b></p> <p>Basic needs of animals including humans for health and growth</p>	<p>Everyday materials (1 of 2)</p> <p><b>What can objects be made of?</b></p> <p>Suitability of everyday materials for their purpose</p>	<p>Living things and their habitats</p> <p><b>How do plants and animals survive?</b></p> <p>Habitats and simple food chains</p>	<p>Everyday materials (2 of 2)</p> <p><b>What material should I use?</b></p> <p>Suitability of everyday materials for their purpose</p>	<p>Plants</p> <p><b>How do my plants grow?</b></p> <p>Observe seeds and bulbs growing and the conditions needed for healthy growth</p>	<p>Working scientifically</p> <p><b>Why?</b></p> <p>Asking questions, for investigations and observing carefully to suggest answers.</p>

<b>Year 3</b>	<p>Forces and Magnets</p> <p><b>How do magnets work?</b></p> <p>Explore magnets and the properties of magnetic materials</p>	<p>Rocks (1 of 2)</p> <p><b>What are rocks made of?</b></p> <p>Classification and properties of rocks</p>	<p>Animals including humans</p> <p><b>What do we need to eat to stay healthy?</b></p> <p>Nutrition for healthy bodies</p>	<p>Plants</p> <p><b>How does my garden grow?</b></p> <p>Identify the different parts of plants and the processes that help them to grow.</p>	<p>Rocks (2 of 2)</p> <p><b>What is a fossil?</b></p> <p>Learning about fossils and how they are formed</p>	<p>Light</p> <p><b>How are shadows formed by the sun?</b></p> <p>Recognising dark is the absence of light, how shadows are formed and what is a reflection</p>
<b>Year 4</b>	<p>Living things and their habitats</p> <p><b>What is happening to my environment?</b></p> <p>Classification and human impact on the environment</p>	<p>Animals incl humans</p> <p><b>What happens to the food I eat?</b></p> <p>Digestive systems, food chain and the importance of teeth</p>	<p>Sound</p> <p><b>What's that I hear?</b></p> <p>How sounds are made and how they can change</p>	<p>Electricity</p> <p><b>How does electricity work?</b></p> <p>Circuits and their components</p>	<p>States of Matter</p> <p><b>Solid, liquid or a gas?</b></p> <p>Changes of state including heating, cooling and evaporation</p>	<p>Working scientifically</p> <p><b>How can I investigate this?</b></p> <p>Focus on scientific investigation skills, recording and presenting results</p>
<b>Year 5</b>	<p>Forces</p> <p><b>What makes things move?</b></p> <p>Investigating and learning about different forces</p>	<p>Earth and Space</p> <p><b>What causes night and day?</b></p> <p>Planets of the solar system, movement of the earth, sun and moon</p>	<p>Living things and their habitats</p> <p><b>How do organisms change over time?</b></p> <p>Life cycles of plants and</p>	<p>Properties and changes of materials (1 of 2)</p> <p><b>How do I decide which material is best?</b></p>	<p>Properties and changes of materials (2 of 2)</p> <p><b>What happens if I mix two materials?</b></p>	<p>Animals including humans</p> <p><b>What happens when I grow up?</b></p> <p>Growth and development in humans</p>

			animals including humans	Group and compare different materials and investigate how they can be best used.	Reversible and irreversible changes. How to separate mixtures.	
<b>Year 6</b>	Living things and their habitats  <b>Where do I fit in?</b>  Classification systems	Light  <b>How do we see?</b>  Light and shadows	Evolution and inheritance  <b>How do organisms change over time and how do we know?</b>  Fossils and adaptation	Animals incl humans  <b>How does my body work?</b>  Human circulatory systems and the impact of lifestyle choices	Electricity  <b>What happens if...</b>  Circuits, how to draw circuit diagrams and what happens when components are added or taken away	Working scientifically  <b>What happens if...</b>  Focussing on scientific enquiry skills
<b>Environmental Days</b>	World Clean-Up day 19.09.20  Car Free Day 22.09.20  World animal Day 05.10.20	National Tree Week 28.11.20	Big Schools Birdwatch	World Wildlife day 03.03.21  Science Week 06.03.21 – 15.03.21  World Water Day 22.03.21  National parks week 04.04.21- 19.04.21	Earth Day 22.04.21  Migratory Bird Day 07.05.21	Butterfly Awareness Day 04.06.21  World Environmental Day 04.06.21  Worlds Oceans Day 08.06.21  Schools Grounds Week

