






















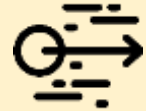
























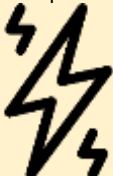


STEM (Science and Design & Technology) – Subject Overview

Long Term Overview

	1	2	3	4	5	6
Nursery	<p>Where do I belong?</p> 	<p>Once upon a time</p>  <p>(natural materials, senses)</p>	<p>Where in the world?</p>  <p>(materials)</p>	<p>All creatures great and small</p>  <p>(life cycles, living things)</p>	<p>Growing and farms</p>  <p>(plants)</p>	<p>Do you like to be beside the seaside?</p>  <p>(materials, senses)</p>
Reception	<p>Where do I belong?</p>  <p>(recycling, soup-making, Autumn)</p>	<p>Once upon a time</p>  <p>(Baking)</p>	<p>Where in the world?</p>  <p>(Winter, melting ice)</p>	<p>All creatures great and small</p>  <p>(minibeasts, animals, habitats, life cycles)</p>	<p>Growing and farms</p>  <p>(food, plating, bread, healthy food, farms)</p>	<p>Do you like to be beside the seaside?</p>  <p>(sea creatures, floating and sinking)</p>
KS1 A	<p>Why do we remember explorers? (Look Up!)</p>	<p>How can we use light, line and colour in our art work? (The Dark)</p>	<p>Which materials can we make models from? (Egg Box Dragon)</p>  <p>Science: Materials Year 1 and Year 2</p> <p>DT: Kapow Year 2 Structures: Baby Bear's Chair</p>	<p>How can we help plants grow? (The Secret Sky Garden)</p>  <p>Science: Plants Year 1 and Year 2</p> <p>PSHE: Healthy Me!</p>  <p>Science: Animals including humans Year 2</p> <p>Food – A balanced diet Kapow Year 2</p>	<p>How are animals adapted to where they live? (Moth)</p>  <p>Science: Living things & their habitats Year 2</p> <p>Animals, including humans Year 2</p>	<p>Why do we remember Amelia Earhart? (Amelia Earhart)</p>  <p>DT Kapow Year 1 Mechanisms: Wheels & Axels</p> <p>PSHE: Changing Me</p>  <p>Science: Animals including humans Year 2 (life cycles)</p>

KS1 B	What is it like to live here? (Beegu)	How have toys changed over time?  DT: Kapow Year 1 Textiles: Puppets	How is each season different? (Out and About)  Science: Seasonal Change Year 1	What was special about Zeraffa Giraffa? (Zeraffa Giraffa)  Science: Living things & their habitats Year 2 PSHE: Healthy Me!  DT: Food & nutrition) Food – Fruit & Vegetables Kapow Year 1	What is it like in Australia? (One Day on our Blue Planet ... In The Outback)  Science: Animals including humans Year 1 Living things & their habitats Year 2	How can we make models move? (The Lonely Beast)  DT: Making a moving story book Kapow Y1 PSHE: Changing Me  Science: Animals including humans Year 2 (life cycles)
Year 3	Nutrition, skeletons and muscles  (Animals including humans)	Light 	Rocks fossils and soil  (Rocks and soils)	DT Structures  (DT: Stiffening) Kapow: Y3 Structures: Constructing a Castle	Plant Growth  (Plants)	Forces and magnets  (Forces and magnets, DT: Mechanical Systems) +Kapow: Y3 Mechanical Systems: Pneumatic Toys
Year 4	Classification  (Living things and their habitats)	States of matter  (States of matter)	Sound  (Sound)	Simple Circuits  (Electricity, DT: Circuits) +Kapow: Y4 Electrical Systems: Torches	Eating – teeth, digestion & food chains  (Animals including humans) +Kapow: Y3 Food: Eating Seasonally	DT Textiles  (DT: Textiles) Kapow Y3 Textiles: Cushions & Y4 Textiles: Fastenings

Year 5	<p>Earth & Space</p>  <p>(Earth & Space)</p>	<p>DT Bridges</p>  <p>(DT: Structures)</p> <p>Kapow Y5 Structure: Bridges</p>	<p>Life Cycles</p>  <p>(Living things & their habitats)</p>	<p>Properties & changes of materials</p>  <p>(Properties & changes of materials)</p>	<p>Forces</p>  <p>(Forces, DT: Mechanical Systems)</p> <p>Kapow Y5 Mechanical Systems: Pop-up book</p>	<p>DT Masterchef</p>  <p>(DT: Food & Nutrition)</p> <p>Kapow Y4 Food: Adapting a recipe & Y5 Food: What could be healthier?</p>
	<p>Classification</p>  <p>(Living things and their habitats)</p>	<p>Light</p>  <p>(Light)</p>	<p>Evolution & Inheritance</p>  <p>(Evolution & Inheritance)</p>	<p>Heart & Health</p>  <p>(Animals including humans)</p>		<p>PSHE: Changing Me</p>  <p>Science: Animals including humans Year 5</p>
Year 6						<p>More Complex Circuits</p>  <p>(Electricity. DT: Circuits)</p> <p>Kapow Y6 Electrical systems: Steady hand game</p>

Highlighted indicates a Design & Technology unit