




## Long Term Plan: Kapow: Science

### Cycle A

		Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Seals	<b>EYFS</b> <b>(UTW)</b> <b>Nursery</b> <b>Reception</b>	<p>To use all their senses to explore natural materials. To talk about what they see using a wide range of vocabulary. To talk about the differences between materials and the changes they notice.</p> <p>To explore the natural world around them, making close observations.</p>		<p>To recognise some environments that are different from the one in which they live.</p>		<p>To plant and care for seeds, beginning to understand the need to respect the natural environment.</p> <p>To understand the key features of the life cycle of plants and animals.</p> <p>To explore and talk about different forces they can feel.</p> <p>To describe what they see, hear and feel whilst outside. To name and describe some plants and animals that they see, encouraging observations. To understand the effect of changing seasons on the natural world around them.</p>	
	<b>KS1</b>	Animals including Humans: Sensitive Bodies	Materials: Everyday Materials	Living Things: Microhabitats	Forces and Space: Seasonal Changes	Plants: An introduction to plants	Making Connections: Ocean Protectors
Dolphins	<b>LKS2</b>	Energy: Light and Shadows	Animals including Humans: Movement and Nutrition	Materials: Rocks and Soil	Making Connections: How does food affect muscle fatigue?	Forces and Space: Forces and Magnets	Plants: Plant Reproduction

	<b>UKS2</b>	Animals including Humans: Circulation and Health	Energy: Light and Reflection	Making Connections: How reflective are space blankets?	Living Things: Classifying Big and Small	Energy: Circuits, Batteries and Switches	Living Things: Evolution and Inheritance
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		<b>Long Term Plan: Kapow: Science Cycle B</b>					
		<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>Seals</b>	<b>EYFS</b> <b>(UTW)</b> <b>Nursery</b> <b>Reception</b>	<p>To use all their senses to explore natural materials. To talk about what they see using a wide range of vocabulary.</p> <p>To talk about the differences between materials and the changes they notice.</p> <p>To explore the natural world around them, making close observations.</p>		<p>To recognise some environments that are different from the one in which they live.</p>		<p>To plant and care for seeds, beginning to understand the need to respect the natural environment.</p> <p>To understand the key features of the life cycle of plants and animals.</p> <p>To explore and talk about different forces they can feel.</p> <p>To describe what they see, hear and feel whilst outside. To name and describe some plants and animals that they see, encouraging observations. To understand the effect of changing seasons on the natural world around them.</p>	

	<b>KS1</b>	Materials: Uses of Everyday Materials	Making Connections: Fairytale Science	Animals including Humans: Comparing Animals	Living Things: Habitats	Plants: Plant Growth	Animals including Humans: Life Cycles and Health
<b>Dolphins</b>	<b>LKS2</b>	Animals including Humans: Digestion and Food	Energy: Electricity and Circuits	Energy: Sound and Vibrations	Materials: States of Matter	Living Things: Classification and Changing Habitats	Making Connections: How does wind force affect seed dispersal?
	<b>UKS2</b>	Materials: Mixtures and Separation	Materials: Properties and Change	Forces and Space: Earth and Space	Living Things: Life Cycles and Reproduction	Forces and Space: Unbalanced forces	Animals including Humans: Human Timelines (3 lessons)  Making Connections: How does light affect the direction of plant growth? (3 lessons)