



Long term plan for Science 2020-2021



	Autumn Term	Spring Term	Summer Term
FS	<p style="text-align: center;"><u>Understanding the World</u> Similarities and differences in relation to living things (humans) Sorting according to eye/hair colour etc. Seasons Autumn walk</p>	<p style="text-align: center;"><u>Understanding the world</u> Floating and sinking How human activity influences the environment and living things. Life cycle of a penguin. Kings Arms Garden walk using senses to observe</p>	<p style="text-align: center;"><u>Understanding the World</u> Growing plants on a desert island Where our food comes from Caring for pets and finding out about their life cycles e.g. parrots, cats, dogs and rats Minibeast hunt and animals at the farm Life cycle of owls. Create a How to Stay Healthy poster Visit to Herrings Green Farm</p>
Year 1	<p style="text-align: center;">Working scientifically What's the weather like? Everyday materials Seasonal changes</p>	<p style="text-align: center;">Working scientifically Observing and comparing animals to describe and group Animals including humans (animals focus)</p>	<p style="text-align: center;">Working scientifically Observing closely and comparing and contrasting familiar plants through senses Animals including humans (humans focus) Plants</p>
Year 2	<p style="text-align: center;">Working scientifically What do animals need for survival and what do humans need to stay healthy? Animals including humans</p>	<p style="text-align: center;">Working scientifically Which is the best material to insulate the ice cube? Everyday materials</p>	<p style="text-align: center;">Working scientifically Describe the conditions in different habitats and microhabitats Living things and their habitats Plants</p>
Year 3	<p style="text-align: center;">Working scientifically Observe and group rocks based on their properties Rocks Animals including humans</p>	<p style="text-align: center;">Working scientifically How is water transported in plants? Plants</p>	<p style="text-align: center;">Working scientifically How far can a magnet pull objects on different surfaces? Light Forces and magnets</p>
Year 4	<p style="text-align: center;">Working scientifically What happens to the brightness of bulbs if we add more cells? Electricity Living things and their habitats</p>	<p style="text-align: center;">Working scientifically Which will melt quicker the small or giant chocolate button? Can we find patterns in the sounds that are made by different objects? States of matter Sound</p>	<p style="text-align: center;">Working scientifically Comparing the teeth of carnivores and herbivores and suggesting reasons for differences. Animals including humans</p>