

QUINTON PRIMARY SCHOOL Science Long Term Plan 2024-2025

<u>YEAR</u>		<u>Autumn 1</u>	<u>Autumn 2</u>	<u>Spring 1</u>	<u>Spring 2</u>	<u>Summer 1</u>	<u>Summer 2</u>
<u>6</u>		Light	Evolution and Inheritance	Electricity	Animals including Humans	Living Things and their Habitats	Living Things and their Habitats
	Investigations:	How can we prove that light travels in straight lines? Comparative test	_How do species adapt over time in order to survive? Research and Pattern Seeking	How does the component change depending on the length of wire? Fair test	How does exercise impact on heart rate? Fair test and Observing over time	What is Taxonomy and who is Carl Linnaeus? Research	How are species sorted into distinct groups? Identifying and Classifying
<u>5</u>		Earth and Space	Forces	Properties and changes of materials	Properties and changes of materials	Animals Including humans	Living things in their habitats
	Investigations:	How does the position of a shadow change during the day? Observing over time	Which shape parachute takes the longest to fall? Fair test	How have chemists helped to change our everyday lives? Research	What affects the speed of evaporation for different sugar solutions? Observing over time and Comparative test	Is there a relationship between a mammal's size and its gestation period? Pattern seeking	Compare this collection of animals based on their lifecycle. Identifying and Classifying
<u>4</u>		States of Matter	Living things and their habitats	Living things and their habitats	Animals including Humans	Sound	Electricity
	Investigations:	How long will it take the chocolate to melt? Observing over time	How can I classify these animals? Identifying and classifying	How can changes in the environment affect things that live there? Research	Which drink is the most harmful to our teeth? Comparative test	What is the relationship between volume and distance? Fair Test	How can I make the bulb brighter? Pattern seeking
<u>3</u>		Animals and Humans	Rocks	Rocks (Fossils and Soils)	Light	Plants	Forces and Magnets
	Investigations:	Which food groups are important for keeping me healthy? Research	How can I compare and group these rocks? Identifying and classifying	Which soil is the most absorbent? Comparative test	How does a shadow change when a light source is moved away? Pattern Seeking & Fair Test	How is water transported in plants? Observing over time	Does the size of the magnet effect its strength? Comparative Test
<u>2</u>		Animals Including Humans	Everyday Materials and their uses	Plants	Plants	Habitats	Habitats
	Investigations:	What do animals need to survive? Research	Which material would be most suited for making a ? Comparative Test	How do seeds and bulbs grow into plants? Observing over time	Crime Scene – What has happened to the plant? What does it need to be healthy? Comparative Test	Where on the field can we find the most minibeasts? Why? Pattern spotting	How can we classify things into living, dead or never alive? Identifying and classifying
<u>1</u>		Animals and Humans		Everyday Materials		Plants	
	Investigations:	How can we group these animals? Identifying and classifying	How can we take care of animals in our local environment? Research	Which materials have similar properties? Identifying and classifying	Which material is best for keeping teddy dry? Comparative Test	(see seasonal changes)	What is the same and different about these plants? Identifying and classifying
		SEASONAL CHANGES (to run across the year to investigate seasonal change) How do the plants in our environment change over the year? - Pattern spotting and Observing over time					

