

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Nursery	Understanding the world Features of the environment – colours of leaves Different factors that support us being healthy		Understanding the world Forces Observing changes in water, floating sinking etc.		Understanding the world Habitats and living things	
Reception	Nocturnal animals (UK) Understanding the effects of seasons of the world around them Materials Plants		Understanding the effects of seasons of the world around them Freezing and melting Materials Hot and cold climates		Plants and Growing Life cycles - plant/animal/humans Sun and sun safety Understanding the effects of seasons of the world around them	
Year 1	5 lines of enquiry Seasonal change – Observe changes, weather changes. - Needs to go across all terms to observe changes in real life. Plants should also be taught alongside this to ensure yearly coverage so chn can observe the differences in seasons.					
	Everyday materials – Find materials.		Animals including humans – common animals, omnivore, carnivore, herbivore, basic parts of the human body.		Plants – Common wild plants, basic structure. Seasonal Change – solidify knowledge and draw observations together.	
Year 2	5 lines of enquiry					
	Living things and their habitat – Living and dead, basic needs, simple food chains.	Animals including humans – Offspring to adults, Basic needs, Exercise, Hygiene. How are we the same/different?	Uses of everyday materials – Suitability To include a project applying their knowledge of the suitability of materials e.g. waterproof		Plants – Seeds and Bulbs grow into plants, what plants need.	
Year 3	5 lines of enquiry Light needs to be taught across the year for Observation over time and to gain a good understanding of shadow					
	Forces and Magnets	Light – Reflections, sun, shadows.	Animals inc humans – Food and Nutrients/ skeletons and muscles		Rocks – Fossils Soils Plants – functions, life cycles, what they need.	
Year 4	5 lines of enquiry					
	Sound – How it's made, pitch, volume, distance	Electricity – Simple circuits, conductors and insulators.	States of matter – Changes and the water cycle		Animals including humans digestive system, teeth, food chains	Living things and their Habitats – classification keys, environments can change and effect
Year 5	5 lines of enquiry					
	Properties and changes of materials – reversable and irreversible changes	Forces – Gravity, Air resistance, water resistance and friction/ Levers and pulleys.		Earth and space – movement of solar system, moon, day and night.	Living things and their Habitats – Life cycles of animals, reproduction to be co ordinated with PHSCE Animals including humans Gestation and old age.	
	5 lines of enquiry s					

<p>Year 6</p>	<p>Living things = Classification Keys and Micro-organisms</p>	<p>Evolution and inheritance</p>	<p>Light – How light travels, how we see and Shadows.</p>	<p>Electricity – Circuit diagrams, variations of functions.</p>	<p>Animals including humans Cardio vascular system, circulatory system/ Diet, exercise, drugs Transition enquiry activities with secondary schools</p>
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Physics

Biology

Chemistry

Please see the progression of knowledge for more detail on what is included in each topic.