

biology	
chemistry	
physics	

## Science Curriculum Long Term Overview

		Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
<b>EYFS</b>	<b>Caterpillars</b>	<b>Animals Including Humans</b> family relationships, names of family members <b>Toilet Training</b> handwashing <b>Seasonal Changes</b> autumn - weather & clothing	<b>Seasonal Changes</b> autumn & winter - weather & clothing	<b>Earth and Space</b> rockets, space, stars, planets <b>Seasonal Changes</b> winter - weather & clothing	<b>Animals including Humans</b> names of farm & zoo animals <b>Seasonal Changes</b> winter & spring - weather & clothing	<b>Seasonal Changes</b> spring - weather & clothing <b>Rocks, Soils and Fossils</b> dinosaurs <b>Plants</b> hat make food	<b>Living Things and Their Habitats</b> under the sea & mini-beasts
	<b>Nursery (Cycle A)</b>	<b>Animals Including Humans</b> similarities & differences <b>Seasonal Changes</b> weather <b>Toilet Training</b> handwashing	<b>States of Matter</b> baking cupcakes <b>Seasonal Changes</b> weather	<b>Animals Including Humans</b> make a superhero food salad & nutrition <b>States of Matter</b> ice and snow exploration <b>Magnets and Forces</b> push & pull	<b>Animals Including Humans</b> compare English & African animals, farm animals & pets <b>Seasonal Changes</b>	<b>Plants</b> growing cress and sunflowers, & what seeds need to grow <b>Animals Including Humans</b> life cycle of a ladybird, & comparing flying mini-beasts <b>Light</b> investigate shadows	<b>Magnets and Forces</b> floating and sinking <b>Things Living and Their Habitats</b> compare ocean animals & looking after our world <b>Animals Including Humans</b> make healthy sandwiches
	<b>Nursery (Cycle B)</b>	<b>Animals Including Humans</b> dental hygiene human development - baby and a toddler <b>Seasonal Changes</b> weather <b>Toilet Training</b> handwashing	<b>Seasonal Changes</b> <b>State of Matter</b> bake teddy bears & ice exploration	<b>Plants</b> taste fruit sticks - where does the taste come from? <b>Earth and Space</b> rockets, space food, astronauts	<b>Animals Including Humans</b> caterpillar lifecycles & matching mummy and baby animals <b>Plants</b> growing, what they need to grow, & the role of a farmer <b>Animals Including Humans</b> naming and caring for pets/animals	<b>States of Matter</b> bake gingerbread and flapjacks & taste porridge <b>Seasonal Changes</b> comparison of clothing	<b>Plants</b> looking at flowers grown and their changes <b>Animals Including Humans</b> taking care of us and others <b>States of Matter</b> make biscuits and sandwiches
	<b>Reception (Cycle A)</b>	<b>Animals Including Humans</b> dental hygiene <b>Seasonal Changes</b> weather <b>Animals including Humans</b> growing and changing & senses	<b>Seasons</b> decay <b>States of Matter</b> making bread <b>Everyday Materials</b> textures	<b>States of Matter</b> make superhero pizzas & ice investigation <b>Seasonal Changes</b> <b>Plants</b> vegetable decay	<b>Seasonal Changes</b>	<b>Animals Including Humans</b> lifecycles of ducks mini-beasts <b>States of Matter</b> make biscuits <b>Plants</b> growing seeds	<b>Everyday Materials</b> recycling and pollution <b>Living Things and their Habitats</b> under the sea & seaside habitats
	<b>Reception (Cycle B)</b>	<b>Animals Including Humans</b> dental hygiene all about me & my family including extended family, & senses <b>States of Matter</b> make pizza	<b>Seasonal Changes</b> weather <b>States of Matter</b> bake a big cake, kitchen utensils, health and safety <b>Working Scientifically</b> Colour mixing - predicting what colour it will make	<b>Earth and Space</b> <b>States of Matter</b> ice investigation	<b>Animals Including Humans</b> lifecycles of chicks & human lifecycle <b>Living Things and Their Habitats</b> Mini-beasts - bug hotels <b>Plants</b> farming and where food comes from, farm animals, farmers roles, what he grows	<b>Everyday Materials</b> make scones and bread buns - dough <b>Magnets and Forces</b> Building bridges using lolly sticks Floating and sinking - make a boat across the river	<b>States of Matter</b> ice lollies & jelly

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Key Stage 1		<p><b>Seasonal Changes</b> include a lesson in autumn, winter, spring, summer and collect data on specific days e.g. 1 day a week, visit 2 trees, pick up leaves, take pictures of an evergreen and a deciduous tree. Focus on collection of data and comparison and teach how to measure</p>					
	Year 1 (Cycle A)	<p><b>Everyday Materials</b> name materials and properties</p>		<p><b>Animals including Humans</b> name and know different types of animals; carnivores/herbivores/omnivores</p>		<p><b>Plants</b> identify and compare garden &amp; wild plants, &amp; trees</p>	<p><b>Living Things &amp; Their Habitats</b> dead/living/once alive, habitats - who lives here and why?</p>
	Year 2 (Cycle B)	<p><b>Animals including Humans</b> offspring, basic needs, exercise, food &amp; hygiene</p>		<p><b>Everyday Materials</b> suitability &amp; changing shape</p>	<p><b>Plants</b> seeds &amp; bulbs, &amp; growing conditions of plants, observe plant growth</p>		<p><b>Living Things &amp; Their Habitats</b> my habitat, microhabitats, food chains</p>
Lower Key Stage 2	Year 3 (Cycle A)	<p><b>Animals including Humans</b> nutrition &amp; the musculoskeletal system</p>		<p><b>Magnets &amp; Forces</b> how things move on a material, different forces, friction, sorting materials, magnets (attract &amp; repel)</p>	<p><b>Light</b> light/dark, shadows &amp; reflections, dangers of the sun</p>	<p><b>Rocks</b> properties of rock, formation of fossils &amp; soils</p>	<p><b>Plants</b> life, growth, functions &amp; life cycles, water transports, pollination &amp; seed dispersal</p>
	Year 4 (Cycle B)	<p><b>Animals including Humans (a)</b> teeth &amp; the digestive system</p>	<p><b>Sound</b> fainter sounds, further away, vibrations, pitch and volume</p>	<p><b>Electricity</b> simple circuits, switches, conductors and insulators, safety</p>	<p><b>States of Matter</b> group materials, state changes, evaporation/condensation, solids, liquids and gases</p>	<p><b>Animals including Humans (b)</b> producers, prey, predators, food chains</p>	<p><b>Living Things and Their Habitats</b> classifications in local area, wider environment and environmental change</p>
Upper Key Stage 2	Year 5	<p><b>Animals including Humans</b> changes in humans as they grow</p>	<p><b>Forces</b> gravity, air resistance, friction, levers, pulleys and gears</p>	<p><b>Earth and Space</b> Sun, Earth &amp; Moon, the planets</p>	<p><b>Properties &amp; Changes to materials</b> dissolving &amp; evaporating</p>	<p><b>Properties &amp; Changes to materials</b> reversible and irreversible</p>	<p><b>Living Things &amp; Their Habitats</b> lifecycles &amp; reproduction</p>
	Year 6	<p><b>Animals including Humans</b> circulatory system, functions of the heart, blood vessels and blood</p>	<p><b>Light</b> travel in straight lines, how we see</p>	<p><b>Electricity</b> changes in components, circuit functions, voltage, what affects bulb brightness?</p>	<p><b>Evolution and Inheritance</b> fossils, changes to living things &amp; adaption</p>		<p><b>Living Things &amp; Their Habitats</b> classifying &amp; micro-organisms</p>