

Year	Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
EY1	<p><b>Theme: This is Me &amp; Under The Sea</b> Floating and sinking. Parent speaker visits. School maps, family history and traditions. <b>1.1, 1.2, 1.3, 2.1, 2.2, 3.1, 3.2, 3.3, 14.1, 14.2, 14.3, 15.2, 16.2, 17.1, 17.2</b></p>	<p><b>Theme: Fairytales &amp; Festivals</b> Materials - ice investigation, dissolving. Explore different materials and sort them into groups. <b>1.1, 1.2, 1.3, 2.1, 2.2, 3.1, 3.2, 3.3, 14.1, 14.2, 14.3, 15.2, 16.2, 17.1, 17.2</b></p>	<p><b>Theme: Earth &amp; Space</b> Rocket role-play. Investigating materials. Making alien slime. Star navigation. Solar system. History of Space Travel and exploration. Constellation maps. <b>1.1, 1.2, 1.3, 2.1, 2.2, 3.1, 3.2, 3.3, 14.1, 14.2, 14.3, 15.2, 16.2, 17.1, 17.2</b></p>	<p><b>Theme: Dinosaurs</b> Extinction. Fossils. Make observations of animals and plants and explain why some things occur. Talk about changes. <b>1.1, 1.2, 1.3, 2.1, 2.2, 3.1, 3.2, 3.3, 14.1, 14.2, 14.3, 15.2, 16.2, 17.1, 17.2</b></p>	<p><b>Theme: Around The Globe</b> Habitats. Northern lights. Climates around the world. Cultures and customs. <b>1.1, 1.2, 1.3, 2.1, 2.2, 3.1, 3.2, 3.3, 14.1, 14.2, 14.3, 15.2, 16.2, 17.1, 17.2</b></p>	<p><b>Theme: Insect Detectives &amp; Keeping Healthy (POND UNIT)</b> Lifecycles, parts of the body and healthy food choices (C&amp;E 1.30). Investigating the pond area and Victorian Garden <b>Physical Health &amp; Wellbeing: Healthy eating – what constitutes a healthy diet</b> <b>1.1, 1.2, 1.3, 2.1, 2.2, 3.1, 3.2, 3.3, 5.1, 14.1, 14.2, 14.3, 15.2, 16.2, 17.1, 17.2</b></p>
	<p><b>Theme Week Tech challenge: Boats (floating &amp; speed)</b> <b>Technology: Fish Stick Puppets (gluing using PVC glue, cutting using scissors, joining)</b> <b>D1.1, D2.1, D2.2, D3.2, D4.1</b> <b>Scientist Study of: Jacques Cousteau &amp; Sylvia Earle</b></p>	<p><b>Technology: Making houses from straw, sticks and bricks</b> <b>D1.1, D2.1, D2.2, D3.2, D4.1</b> <b>Looking after pet pigs for a week</b> <b>Food Tech: making gingerbread men</b> <b>C2</b></p>	<p><b>Technology: Making rockets</b> <b>D1.1, D2.1, D2.2, D3.2, D4.1</b></p>	<p><b>Food Tech: Making Dinosaur Biscuits</b> <b>C2</b></p>	<p><b>Food Tech: Making ice lollies</b> <b>C2</b></p>	<p><b>Food Tech: Making fruit kebabs (link to Healthy food choices in C&amp;E)</b> <b>C1, C2</b> <b>Technology: Making bug sweeping nets</b> <b>D1.1, D2.1, D2.2, D3.2, D4.1</b></p>
Year 1	<p><b>Animals including Humans:</b> Identifying, comparing and describing different animals. Parts of the human body <b>S1.1, S1.2, S1.3, S1.4, S1.5, S1.6, S3.1, S3.2, S3.3, S3.4,</b></p>	<p><b>Seasonal Changes:</b> Light and Shade <b>Physical Health &amp; Wellbeing: Health and Prevention - Sun safety</b> <b>S1.1, S1.2, S1.3, S1.4, S1.5, S1.6, S6.1, S6.2,</b></p>	<p><b>Everyday Materials:</b> Identify and name a variety of everyday materials and describe their properties <b>S1.1, S1.2, S1.3, S1.4, S1.5, S1.6, S5.1, S5.2, S5.3, S5.4</b></p>	<p><b>Everyday Materials:</b> Forces <b>S1.1, S1.2, S1.3, S1.4, S1.5, S1.6, S5.1, S5.2, S5.3, S5.4</b></p>	<p><b>(POND UNIT)</b> <b>Seasonal Changes:</b> Animal life cycles &amp; Seasonal Change <b>S1.1, S1.2, S1.3, S1.4, S1.5, S1.6, S6.1, S6.2</b></p>	<p><b>Plants &amp; Hygiene:</b> Green Plants How diseases are spread. <b>Physical Health &amp; Wellbeing: Health and prevention - signs of illness</b> <b>Physical Health &amp; Wellbeing: Health and prevention - bacteria and germs.</b> <b>Physical Health &amp; Wellbeing: Health and prevention - allergies, immunisation &amp; vaccination</b> <b>S1.1, S1.2, S1.3, S1.4, S1.5, S1.6, S2.1, S2.2</b></p>

	<p>Theme Week Tech challenge: cars (distance &amp; weight using a ramp) Technology: Playground structures e.g. swing and slide (gluing using glue gun, cutting using scissors &amp; Tenon saw, joining, axels, measuring) Scientist Study of: David Attenborough &amp; Rachel Carson D1.1, D1.2, D2.1, D2.2, D3.1, D3.2, D4.1, D4.2</p>	<p>Technology: Make wind socks D1.1, D1.2, D2.1, D2.2, D3.2, D4.1 D4.2</p>	<p>Food Tech: Jam sandwich using blackcurrants C1, C2</p>	<p>Technology: Build a catapult and drawbridge (levers and pulleys) Inventor Study of: The Wright Brothers (first aeroplane) Food Tech: Welsh Cakes D1.1, D1.2, D2.1, D2.2, D3.2, D4.1, D4.2, C1, C2</p>	<p>Technology: 'toad abode'/ frog hotel D1.1, D1.2, D2.1, D2.2, D3.2, D4.1</p>	<p>Food Tech: Vegetable ratatouille C1, C2</p>
Year 2	<p><b>Plants &amp; Animals:</b> Keeping a plant diary. Personal hygiene (teeth hygiene) Physical Health &amp; Wellbeing: Health and prevention - bacteria and germs Physical Health &amp; Wellbeing: Health and prevention - dental decay S1.1, S1.2, S1.3, S1.4, S1.5, S1.6, S3.1, S3.2, S4.3</p>	<p><b>Use of Everyday Materials:</b> Suitability of a variety of everyday materials S1.1, S1.2, S1.3, S1.4, S1.5, S1.6, S5.1, S5.2</p>	<p><b>Animals, including humans:</b> Healthy Living, growing old S1.1, S1.2, S1.3, S1.4, S1.5, S1.6, S4.1, S4.2, S4.3</p>	<p><b>(POND UNIT)</b> <b>Living Things &amp; Their Habitats:</b> Habitats S1.1, S1.2, S1.3, S1.4, S1.5, S1.6, S2.1, S2.2, S2.3, S2.4</p>	<p><b>Animals including Humans:</b> Life Processes (Ducks) S1.1, S1.2, S1.3, S1.4, S1.5, S1.6, S4.1, S4.2, S4.3</p>	<p><b>Use of Everyday Materials:</b> squash, bend, twist, stretch S1.1, S1.2, S1.3, S1.4, S1.5, S1.6, S5.1, S5.2</p>
	<p>Theme Week Tech challenge: Egg parachutes Technology: Building balloon cars (using wheels and axles, learning about gears) Scientist Study of: Beatrix Potter &amp; Albert Einstein D1.1, D1.2, D2.1, D2.2, D3.2, D4.1, D4.2</p>	<p>Technology: Making waterproof capes. Use of Silhouette Studio software and Silhouette Cameo to make brands. D1.1, D1.2, D2.1, D2.2, D3.2</p>	<p>Food Tech: Making smoothies Physical Health &amp; Wellbeing: Healthy Eating - healthy diet, principles of planning and preparing a range of healthy meals, characteristics of poor diet. C1, C2</p>	<p>Technology: Projects on a Page (Sliders and Levers) Inventor Study of: Steve Jobs (Invention of the mobile phone) D1.1, D1.2, D2.1, D2.2, D3.2, D4.1, D4.2</p>	<p>Food Tech: Cheese scones (duck and chick eggs compare) C1, C2</p>	<p>Technology: Projects on a Page (Textiles - Templates and joining techniques) Food Tech: Make salsa Making chocolate using Fairtrade chocolate C1, C2, D1.1, D1.2, D2.1, D2.2, D3.2, D4.1</p>
Year 3	<p><b>Animals (including humans):</b> Food and Keeping healthy Physical Health &amp; Wellbeing: Healthy Eating - healthy diet, principles of planning and preparing a</p>	<p><b>Impact of Plastic on the World</b> Looking at impact of plastic, Blue planet II, Thinking about alternatives S1.1, S1.2, S1.3, S1.4, S1.5, S1.6, S1.7, S1.8,</p>	<p><b>Forces and Magnets:</b> Attract, repel, comparisons S1.1, S1.2, S1.3, S1.4, S1.5, S1.6, S1.7, S1.8, S1.9, S6.1, S6.2, S6.3, S6.4, S6.5, S6.6</p>	<p><b>Rocks:</b> Rocks and soils S1.1, S1.2, S1.3, S1.4, S1.5, S1.6, S1.7, S1.8, S1.9, S4.1, S4.2, S4.3</p>	<p><b>Light:</b> Light and shadows. Physical Health &amp; Wellbeing: Health and Prevention - Sun safety S1.1, S1.2, S1.3, S1.4, S1.5, S1.6, S1.7, S1.8,</p>	<p><b>(POND UNIT)</b> <b>Plants:</b> Functions of different Parts of flowers, requirements for life and growth S1.1, S1.2, S1.3, S1.4, S1.5, S1.6, S1.7, S1.8,</p>

	<p>range of healthy meals, characteristics of poor diet <b>S1.1, S1.2, S1.3, S1.4, S1.5, S1.6, S1.7, S1.8, S1.9, S3.1, S3.2</b></p>	<b>S1.9</b>			<b>S1.9, S5.1, S5.2, S5.3, S5.4, S5.5</b>	<b>S1.9, S2.1, S2.2, S2.3, S2.4</b>
	<p>Theme Week Tech challenge: cars powered by elastic band (distance &amp; time) Technology: Moving Skeletons / Monsters (pneumatic systems, simple levers) Study of: Jane Goodall &amp; Charles Darwin <b>D1.1, D1.2, D2.1, D2.2, D3.2, D4.1, D4.2</b></p>	<p>Technology: Projects on a Page (Levers and Linkages) Food Tech: Stained Glass Biscuits <b>D1.1, D1.2, D2.1, D2.2, D3.2, D4.1, D4.2, C1, C2, C3</b></p>	<p>Food Tech: Vegetable soup <b>C1, C2, C3</b></p>	<p>Technology: Design and make an eco-friendly container Study of: Henry Ford (Evolution of motor cars) <b>D1.1, D1.2, D2.1, D2.2, D3.1, D3.2, D3.3, D4.1, D4.2</b></p>	<p>Technology: Design and make a shadow puppetry theatre Food Tech: Projects on a Page (Healthy and Varied Diet) <b>D1.1, D1.2, D2.1, D2.2, D3.2, D4.1, D4.2, C1, C2, C3</b></p>	<p>Technology: Projects on a Page (Textiles – 2D shape to 3D project) <b>D1.1, D1.2, D2.1, D2.2, D3.1, D3.2, D3.3, D4.1, D4.2</b></p>
Year 4	<p><b>(POND UNIT)</b> <b>Living Things &amp; Their Habitats:</b> Looking at local wildlife. (kite story. Urban fox and squirrel) Environmental impact of panda's habitat, effect of climate change and impact of man <b>S1.1, S1.2, S1.3, S1.4, S1.5, S1.6, S1.7, S1.8, S1.9, S2.1, S2.2, S2.3</b></p>	<p><b>States of Matter:</b> Changing states, types of gas, grouping materials and water cycle. <b>S1.1, S1.2, S1.3, S1.4, S1.5, S1.6, S1.7, S1.8, S1.9, S4.1, S4.2, S4.3</b></p>	<p><b>Electricity:</b> Building circuits, circuit symbols, potato/lemon batteries <b>S1.1, S1.2, S1.3, S1.4, S1.5, S1.6, S1.7, S1.8, S1.9, S6.1, S6.2, S6.3, S6.4, S6.5</b></p>	<p><b>Sound:</b> Anatomy of the ear, investigation in to sound proofing, linked to materials, how sound travels <b>S1.1, S1.2, S1.3, S1.4, S1.5, S1.6, S1.7, S1.8, S1.9, S5.1, S5.2, S5.3, S5.4, S5.5</b></p>	<p><b>Animals including Humans:</b> Teeth and the digestive system, tooth decay – egg investigation, digestion through excretion <b>Physical Health &amp; Wellbeing: Health and prevention – dental decay</b> <b>S1.1, S1.2, S1.3, S1.4, S1.5, S1.6, S1.7, S1.8, S1.9, S3.1, S3.2, S3.3</b></p>	<p><b>Animals including Humans:</b> Growth, nutrition for different sportspeople e.g. ballerina opposed to an Olympic rower, looking at relation to height and distance of jumping, effect of sport on our body – heart rate, perspiration etc. <b>Being safe: Appropriate touch</b> <b>Physical Health &amp; Wellbeing: Health and prevention - signs of illness</b> <b>S1.1, S1.2, S1.3, S1.4, S1.5, S1.6, S1.7, S1.8, S1.9, S3.1, S3.2, S3.3</b></p>
	<p>Theme week tech challenge: paper aeroplane (value of money &amp; distance) Technology: A motorised car (frame structure, using glue gun, Tenon saw, axles, cam belt, simple electrical circuit) Scientist Study of: Stephen</p>	<p>Technology: Building a Tudor Bridge (strength, freestanding structures) Food Tech: Tudor biscuits <b>D1.1, D1.2, D2.1, D2.2, D3.2, D4.1, C1, C2, C3</b></p>	<p>Technology: Making an electrical board game Food Tech: Making a sandwich using salad leaves planted <b>D1.1, D1.2, D2.1, D2.2, D3.1, D3.2, D4.1, D4.2, D4.3, C1, C2, C3</b></p>	<p>Technology: Making ear defenders Inventor Study of: Alexander Graham Bell (Invention of The Telephone) <b>D1.1, D1.2, D2.1, D2.2, D3.1, D3.2, D3.3, D4.1</b></p>	<p>Food Tech: Stuffed Vegetables <b>Physical Health &amp; Wellbeing: Healthy Eating - healthy diet, principles of planning and preparing a range of healthy meals, characteristics of poor diet</b> <b>C1, C2, C3</b></p>	<p>Technology: Textiles Design a team badge, use fabrics, sequins, beads, buttons., different stitches Silhouette Cameo Printer and Silhouette Studio to create a t-shirt transfer <b>D1.1, D1.2, D2.1, D2.2, D3.1, D3.2, D3.3</b></p>

	Hawking & Helen Sharman <i>D1.1, D1.2, D2.1, D2.2, D3.2, D3.3, D4.1, D4.2, D4.3</i>					
Year 5	<b>(POND UNIT)</b> <b>Living Things and their Habitats:</b> Life cycles of amphibians, birds and mammals. Reproduction of plants. <b>S1.1, S1.2, S1.3, S1.4, S1.5, S1.6, S1.7, S1.8, S1.9, S2.1, S2.2</b>	<b>Earth and Space:</b> The planets of the solar system, the sun <b>Physical Health &amp; Wellbeing: Health and Prevention - Sun safety</b> <b>S1.1, S1.2, S1.3, S1.4, S1.5, S1.6, S1.7, S1.8, S1.9, S5.1, S5.2, S5.3, S5.4</b>	<b>Properties of materials:</b> Properties of materials <b>S1.1, S1.2, S1.3, S1.4, S1.5, S1.6, S1.7, S1.8, S1.9, S4.1, S4.2, S4.3, S4.4, S4.5, S4.6</b>	<b>Changing Materials:</b> Changing states (Irreversible & reversible) <b>S1.1, S1.2, S1.3, S1.4, S1.5, S1.6, S1.7, S1.8, S1.9, S4.1, S4.2, S4.3, S4.4, S4.5, S4.6</b>	<b>Forces:</b> Types of Force. <b>S1.1, S1.2, S1.3, S1.4, S1.5, S1.6, S1.7, S1.8, S1.9, S6.1, S6.2, S6.3</b>	<b>Animals Including Humans:</b> Life Explorers - Human lifecycle, growth, development, puberty and old age, bacteria (link to C&E 2.19) <b>Physical Health &amp; Wellbeing: Health and prevention -allergies, immunisation and vaccination.</b> <b>Health and Wellbeing: Changing adolescent body - changes 9-11</b> <b>S1.1, S1.2, S1.3, S1.4, S1.5, S1.6, S1.7, S1.8, S1.9, S3.1</b>
	Theme week tech challenge: marble run (gravity & time) <b>Technology: Moving Toys</b> (cams and pulleys, using glue gun, Tenon saw for cutting, joining, cutting with scissors) <b>Scientist Study of: Marianne North &amp; Sir Isaac Newton</b> <b>D1.1, D1.2, D2.1, D2.2, D3.1, D3.2, D4.1, D4.2</b>	<b>Technology: Design Sundials</b> <b>Food Tech: Cracking potato cake</b> <b>D1.1, D1.2, D2.1, D2.2, D3.1, D3.2, D4.1, D4.2, C1, C2, C3</b>	<b>Technology: Projects on a Page (Mechanical systems – pulleys or gears)</b> <b>D1.1, D1.2, D2.1, D2.2, D3.2, D4.1, D4.2</b>	<b>Food Tech: Spanish tortilla</b> <b>Inventor Study of: Galileo Galilei (study of the sky with telescope)</b> <b>D3.3, C1, C2, C3</b>	<b>Technology: 2D shell structures to make moving boats</b> <b>D1.1, D1.2, D2.1, D2.2, D3.2, D4.1, D4.2</b>	<b>Technology: Making Parachutes and Planes. 3D printing</b> <b>Food Tech: Chicken Tikka</b> <b>D1.1, D1.2, D2.1, D2.2, D3.2, D4.1, D4.2, C1, C2, C3</b>
Year 6	<b>(POND UNIT)</b> <b>Living Things and their habitats:</b> Classifying plants and animals <b>S1.1, S1.2, S1.3, S1.4, S1.5, S1.6, S1.7, S1.8, S1.9, S2.2, S2.3</b>	<b>Animals Including Humans:</b> Human circulatory system and impact of exercise, drugs and diet <b>Physical Health &amp; Wellbeing: Healthy Eating - healthy diet, principles of planning and preparing a range of healthy meals.</b>	<b>Electricity:</b> circuits and components <b>S1.1, S1.2, S1.3, S1.4, S1.5, S1.6, S1.7, S1.8, S1.9, S6.1, S6.2, S6.3</b>	<b>Light:</b> Light and Sight <b>S1.1, S1.2, S1.3, S1.4, S1.5, S1.6, S1.7, S1.8, S1.9, S5.1, S5.2, S5.3, S5.4</b>	<b>WeDo Lego:</b> Unit 5 Plants and Pollinators Unit 4 Frog metamorphosis Unit 8 Sort to recycle <b>S1.1, S1.5, S1.6, S1.7, S1.8, S1.9, S2.2, S2.3, S4.2, S4.3</b>	<b>Animals Including Humans:</b> Evolution, inheritance and reproduction, viruses (link to C&E 2.19) <b>Being safe: Appropriate touch</b> <b>Physical Health and Wellbeing: Health &amp; Prevention – hygiene,</b>

		<p>characteristics of poor diet  <b>S1.1, S1.2, S1.3, S1.4, S1.5, S1.6, S1.7, S1.8, S1.9, S3.1, S3.2, S3.3</b></p>				<p>bacteria and viruses, allergies, immunisation and vaccination.            Health and Wellbeing: Changing adolescent body - changes 9-11, menstrual cycle  <b>S1.1, S1.2, S1.3, S1.4, S1.5, S1.6, S1.7, S1.8, S1.9, S4.1, S4.2, S4.3</b></p>
	<p>Theme week tech challenge: boats (floating &amp; weight)            Technology: Fairground rides (simple electrical circuits, cam belts, pulleys, glue guns, Tenon saw, joining, strengthening)            Scientist Study of: Marie Curie &amp; Alessandro Volta  <b>D1.1, D1.2, D2.1, D2.2, D3.1, D3.2, D3.3, D4.1, D4.2, D4.3</b></p>	<p>Technology: Making own template for biscuits            Food Tech: Christmas biscuits  <b>D1.1, D1.2, D2.2, D3.1, D3.2, D4.4, C1, C2, C3</b></p>	<p>Technology: Making an electric powered car using a Crumble Board and Crumble software to program)  <b>D1.1, D1.2, D2.1, D2.2, D3.1, D3.2, D3.3, D4.1, D4.2, D4.3, D4.4</b></p>	<p>Food Tech: Making bread, linked to methods used across the world (including yeast)            Inventor Study of: Bill Gates (Invention of the computer)  <b>D2.2, D3.3, C1, C2, C3</b></p>	<p>Technology: WeDo Lego (pulleys, levers, cams, WeDo control to solve real life problems)  <b>D1.1, D1.2, D3.2, D3.3, D4.4</b></p>	<p>Food Tech: Making pizza (fresh tomato sauce using home-grown tomatoes and a homemade scone base)  <b>D2.2, D3.2, C1, C2, C3</b></p>

**Colour Key:**

Education, Relationships & Sex Education and Health Education

Theme Week Technology Challenge

Technology Project

Food Technology

Scientist / Inventor Study