

# Primary – Technology Curriculum

	Autumn		Spring		Summer	
	1 <sup>st</sup> Half Term	2 <sup>nd</sup> Half Term	1 <sup>st</sup> Half Term	2 <sup>nd</sup> Half Term	1 <sup>st</sup> Half Term	2 <sup>nd</sup> Half Term
Year 3	<b>Food</b>	<b>DT</b>	<b>DT</b>	<b>Food</b>	<b>Food</b>	<b>DT</b>
	<b>Cooking and nutrition: Soup</b>  children explore the differences between fruits and vegetables using their senses (taste, texture, smell etc.). They listen to the story 'The best pumpkin soup' and discuss the key ingredients the characters used before developing a class-based vegetable soup recipe. <ul style="list-style-type: none"> <li>Fantastic fruit and vegetables</li> <li>Pumpkin soup</li> <li>Designing packaging</li> <li>Fine motor skills</li> <li>Maing soup</li> <li>Designing soup packaging</li> </ul>	<b>Mechanisms: Wheels and axles</b>  Learn about the key parts of a wheeled vehicle, to develop an understanding of how wheels, axles and axle holders work. Design and make a moving vehicle. <ul style="list-style-type: none"> <li>How do wheels move?</li> <li>Fixing broken wheels</li> <li>Designing a vehicle</li> <li>Wacky races</li> </ul>	<b>Textiles: Puppets</b>  Explore methods of joining fabric. Design and make a character-based hand puppet using a preferred joining technique, before decorating. <ul style="list-style-type: none"> <li>Joining fabrics</li> <li>Designing my puppet</li> <li>Making and joining my puppet</li> <li>Decorating my puppet</li> </ul>	<b>Cooking and nutrition: Smoothies</b>  children to learn food preparation skills and greater emphasis on taste testing and ingredient choices. <ul style="list-style-type: none"> <li>Fruits</li> <li>Growing</li> <li>Cutting and juicing</li> <li>Testing ingredients</li> <li>Making smoothies</li> <li>Evaluating</li> </ul>	<b>Cooking and nutrition: Balanced diet</b>  children to learn about the importance of a balanced diet and use that knowledge to create a tasty wrap. <ul style="list-style-type: none"> <li>Food groups</li> <li>Balanced meals</li> <li>Preparing ingredients</li> <li>Taste testing ingredients</li> <li>Planning recipes</li> <li>Creating and evaluating wraps</li> </ul>	<b>Structures: Constructing a castle</b>  Identify and learn about the key features of a castle, before designing and making a recycled-material castle (structure). <ul style="list-style-type: none"> <li>Features of a castle</li> <li>Designing a castle</li> <li>Nets and structures</li> <li>Building a Castle</li> <li>Food</li> </ul>

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Year 4	<b>Food</b>	<b>DT</b>	<b>Food</b>	<b>DT</b>	<b>Food</b>	<b>DT</b>
	<b>Cooking and nutrition: Adapting a recipe</b> <p>opportunities for children to learn a basic biscuits recipe and adapt it to suit a target audience.</p> <ul style="list-style-type: none"> <li>Existing biscuits</li> <li>Basic biscuits</li> <li>Budgeting</li> <li>Packaging</li> <li>Market research</li> <li>Evaluating biscuits</li> </ul>	<b>Textiles: Cross-stitch and appliqué</b> <p>Learn and apply two new sewing techniques – cross-stitch and appliqué. Utilise these new skills to design and make a cushion</p> <ul style="list-style-type: none"> <li>Cross-stitch and appliqué</li> <li>Cushion design</li> <li>Decorating my cushion</li> <li>Assembling my cushion</li> </ul>	<b>Cooking and nutrition: Balanced diet</b> <p>children to recap the importance of a balanced diet and use that knowledge to create a</p> <ul style="list-style-type: none"> <li>Food groups</li> <li>Balanced meals</li> <li>Preparing ingredients</li> <li>Taste testing ingredients</li> <li>Planning recipes</li> <li>Designing and creating sandwiches/toasties</li> <li>Comparing and evaluating</li> </ul>	<b>Mechanisms : Making a slingshot car</b> <p>Using a range of materials, design and make a car with a working slingshot mechanism and house the mechanism using a range of nets.</p> <ul style="list-style-type: none"> <li>Chassis and launch mechanism</li> <li>Designing the car body</li> <li>Making the car body</li> <li>Assembly and testing</li> </ul>	<b>Cooking and nutrition: Eating seasonally</b> <p>children to learn about seasonal foods and create a seasonal food tart.</p> <ul style="list-style-type: none"> <li>Food around the world</li> <li>Seasonal food</li> <li>Cutting and peeling</li> <li>Tasting seasonal ingredients</li> <li>Making a mock-up</li> <li>Evaluating seasonal tarts</li> </ul>	<b>Textiles : Fastenings</b> <p>Analyse and evaluate a range of existing fastenings, then devise a list of design criteria to design, generate templates and make a fabric book sleeve.</p> <ul style="list-style-type: none"> <li>Evaluating fastenings</li> <li>Designing my book sleeve</li> <li>Paper mock-up and preparing fabric</li> <li>Assembling my book sleeve</li> </ul>

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Year 5	DT	Food	DT	DT	Textiles	
	<p><b>Electrical systems: Torches</b></p> <p>Identify the difference between electrical and electronic products. Evaluate a range of existing torches and their features, then develop a new functional torch design.</p> <ul style="list-style-type: none"> <li>Electrical products</li> <li>Evaluating torches</li> <li>Torch design</li> <li>Torch assembly</li> </ul>	<p><b>Cooking and nutrition: following and adapting a recipe</b></p> <p>Children have opportunities to develop a chosen recipe and adapt it with seasonal adaptations to present as a gift, taking into account nutritional content</p> <ul style="list-style-type: none"> <li>Budgeting</li> <li>Packaging</li> <li>Market research</li> <li>Cutting and peeling</li> <li>Tasting seasonal ingredients</li> <li>Evaluating seasonal</li> </ul>	<p><b>Mechanical systems: Pop-up book</b></p> <p>Create a functional four-page pop-up storybook design, using lever, sliders, layers and spacers to create paper-based mechanisms.</p> <ul style="list-style-type: none"> <li>Pop-up book page design</li> <li>Making my pop-up book</li> <li>Using layers and spacers</li> <li>Writing and illustrating</li> </ul>	<p><b>Structure: Bridges</b></p> <p>Test and analyse various types of bridge to determine their strength and stability. Explore material properties and sources, before marking, sawing and assembling a wooden truss bridge.</p> <ul style="list-style-type: none"> <li>Arch and beam bridges</li> <li>Spaghetti truss bridges</li> <li>Building bridges</li> <li>Finalising bridges</li> </ul>	<p><b>Textiles: Stuffed toys</b></p> <p>Design a stuffed toy and make decisions on materials, decorations and attachments (appendages), after learning how to sew a blanket stitch.</p> <ul style="list-style-type: none"> <li>Designing a stuffed toy</li> <li>Blanket stitch</li> <li>Details and appendages</li> <li>Stuffed toy assembly</li> </ul>	<p><b>Digital world: Mindful moments timer</b></p> <p>Explore what is meant by mindfulness and write design criteria to fulfil a brief to develop a programmed product for timing a mindful moment.</p> <ul style="list-style-type: none"> <li>Analysing timers</li> <li>Designing for the user</li> <li>Programming the timer</li> <li>Prototypes</li> <li>Brand identity</li> </ul>

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Year 6	<b>Food</b>	<b>DT</b>	<b>Food</b>	<b>DT</b>	<b>Food</b>	<b>DT</b>
	<b>Cooking and nutrition: Developing a recipe</b> <p>Children have opportunities for children to learn a simple Bolognese recipe and adapt it to improve nutritional content.</p> <ul style="list-style-type: none"> <li>• From farm to fork</li> <li>• Different choices</li> <li>• Nutritional value</li> <li>• Preparing ingredients</li> <li>• Designing labels</li> <li>• Making bolognese</li> </ul>	<b>Textiles: Waistcoats</b> <p>Using a combination of textiles skills such as attaching fastenings, appliqué and decorative stitches, children design, assemble and decorate a waistcoat for a chosen purpose</p> <ul style="list-style-type: none"> <li>• Waistcoat design</li> <li>• Preparing fabric</li> <li>• Assembling my waistcoat</li> <li>• Decorating my waistcoat</li> </ul>	<b>Cooking and nutrition: Come dine with me</b> <p>Children have opportunities to supplement the 'Come dine with me' project with learning about the basic tastes and complementary flavours.</p> <ul style="list-style-type: none"> <li>• Complementary</li> <li>• flavours (optional)</li> <li>• ingredients; three</li> <li>• courses</li> <li>• Ingredients</li> <li>• and skills</li> <li>• (optional)</li> <li>• The Starter</li> <li>• The main course</li> <li>• Dessert</li> </ul>	<b>Structures: Playgrounds</b> <p>Research existing playground equipment and their different forms, before designing and developing a range of apparatus to meet a list of specified design criteria.</p> <ul style="list-style-type: none"> <li>• Design a new playground</li> <li>• Building structures</li> <li>• Perfecting structures</li> <li>• Playground landscapes</li> </ul>	<b>Cooking and nutrition Summer BBQ</b> <p>Pupils take prior learning and design dishes for the school summer BBQ to present to parents</p> <ul style="list-style-type: none"> <li>• Different choices</li> <li>• Nutritional value</li> <li>• Preparing ingredients</li> <li>• Food hygiene</li> <li>• Lables and allergies</li> </ul>	<b>Electrical systems: Steady hand game</b> <p>Understand what is meant by fit for purpose design and form follows function. Design and develop a steady hand game using a series circuit, including housing and backboard.</p> <ul style="list-style-type: none"> <li>• Developing through play</li> <li>• Game plan</li> <li>• Base building</li> <li>• Electronics and assembly</li> </ul>