



Subject Overview | Design Technology
Zetland Primary School

Year Group: 5/6

Year 5&6	Autumn	Spring	Summer
<p>Design</p> <ul style="list-style-type: none"> use research and develop design criteria to inform the design of innovative, functional, appealing products that are fit for purpose, aimed at particular individuals or groups generate, develop, model and communicate their ideas through discussion, annotated sketches, cross-sectional and exploded diagrams, prototypes <p>Make</p> <ul style="list-style-type: none"> select from and use a wider range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing], accurately select from and use a wider range of materials and components, including construction materials, textiles and ingredients, according to their functional properties and aesthetic qualities 	<p>Cycle A</p> <p>Tea caddies Children will explore a range of historical artefacts/ sources to investigate why tea caddies were so expensive and why they became so elaborate in their design. Children to design their own tea caddy deciding what material the tea caddy should be made out of and how it is decorated. The children will decorate their caddy using chinoiserie styles seen from China and India and lacquer their boxes. Children to evaluate their design, the making process and the final result. The boxes will then be filled with home made sweets / fudge for Christmas and the children will follow recipes and design their own flavour of fudge.</p>	<p>Felt rainforest animals Children to create a jungle of rainforest felt animals. Children to develop technical skills including template work, cutting, stencils, fastening and strengthening. The Children to applique with sewing and ensure their animal is unique. Work to be evaluated.</p>	<p>Gas mask boxes and war time food Children are to design and recreate a gas mask box to the specific dimensions of world war 2 . They are to evaluate them and say how improvements can be made. Looking at a WW2 diet Children to identify a healthy meal based on nutritional requirements and a balanced diet. Children to identify which ingredients are needed for their recipe and to complete and order form for the office. Food to be prepared carefully with reference to food hygiene, children to develop a range of skills linked to food preparation i.e. cutting, grating, spreading Evaluation through taste test, and appealing appearance.</p>
	<p>Cycle B</p>		
	<p>Mixed media bottles Children will design, make and evaluate an Alice in wonderland mixed media bottle. The bottle decouped and children need to cut, glue stick and manipulate pliers in order to hang charms on the bottles. The children to evaluate their work.</p>	<p>Book of the dead Children will plan, design and make their own book of the dead. The book needs to house amulets and a scroll so children have to fulfil their design brief. The children evaluate their work.</p>	<p>Kites Children will explore a range of different kites; structures, shapes and key features. Children to experiment with different shapes, analysing which is most effective for wind resistance. Children to develop technical skills including</p>



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<p>Evaluate</p> <ul style="list-style-type: none">investigate and analyse a range of existing productsevaluate their ideas and products against their own design criteria and consider the views of others to improve their work <p>Technical knowledge</p> <ul style="list-style-type: none">apply their understanding of how to strengthen, stiffen and reinforce more complex structuresunderstand and use electrical systems in their products [for example, series circuits incorporating switches, bulbs, buzzers and motors] <p>Cooking and Nutrition</p> <ul style="list-style-type: none">Understand and apply the principles of a healthy and varied diet			<p>template work, cutting, stencils, fastening and strengthening. Children to design their own kite and decide upon appropriate materials to use. Kites to be made and tested as part of the evaluation process.</p>
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