



Design and Technology – Year 3 – Medium Term Plan

Autumn Term, Textile: Cushion



Where before:	Mechanisms: fairground wheel				
Where next:	Structures: Constructing Castles				
Outcome	Key Skills	Key Facts	Key Vocabulary	Learning Objectives	Educational visits/ Visitors
	<p><u>Design</u> Creating ideas with design criteria in mind.</p> <p>Referring to specific parts of existing products when generating ideas.</p> <p><u>Make</u> Selecting materials from a wider range of materials.</p> <p>Explaining their choices based on the properties of materials.</p> <p>Looking for ways to make cutting easier, for example, turning the material they are cutting, not fully closing the scissors, etc.</p> <p>Choosing known geometric shapes when making.</p> <p><u>Evaluate</u> Evaluating their ideas and creations against simple design criteria.</p>	<p>A structure is something that has been made and put together.</p> <p>The shape of a structure affects its strength.</p> <p>Materials can be manipulated to improve strength and stiffness.</p> <p>A strong structure is one which does not break easily.</p> <p>A stiff structure or material is one which does not bend easily.</p>	<p>design brief</p> <p>design criteria</p> <p>evaluate</p> <p>flexible</p> <p>improve</p> <p>select</p> <p>stiff</p> <p>strong</p> <p>thicker</p> <p>thinner</p> <p>weak</p>	<p>To evaluate existing structures</p> <p>To explore how shape affects the strength of a tower</p> <p>To make a strong and stable chair for a user</p> <p>To evaluate and improve a structure</p>	



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Spring Term, Structures: Constructing a castle



Where before:	Textile: cushions				
Where next:					
Outcome	Key Skills	Key Facts	Key Vocabulary	Learning Objectives	Educational visits/ Visitors
	<p><u>Design</u> Designing and making a template from an existing cushion and applying individual design criteria.</p> <p><u>Make</u> Following design criteria to create a cushion or Egyptian collar.</p> <p>Selecting and cutting fabrics with ease using fabric scissors.</p> <p>Threading needles with greater independence.</p> <p>Tying knots with greater independence.</p> <p>Sewing cross stitch to join fabric.</p> <p>Decorating fabric using appliqué.</p> <p>Completing design ideas with stuffing and sewing the edges (Cushions) or embellishing the collars based on design ideas (Egyptian collars).</p> <p><u>Evaluate</u> Evaluating an end product and thinking of other ways in which to create similar items.</p>	<p>To know that applique is a way of mending or decorating a textile by applying smaller pieces of fabric to larger pieces.</p> <p>To know that when two edges of fabric have been joined together it is called a seam.</p> <p>To know that it is important to leave space on the fabric for the seam.</p> <p>To understand that some products are turned inside out after sewing so the stitching is hidden.</p>	<p>accurate appliqué cross-stitch cushion design embellish fabric patch running stitch seam stuffing template thread</p>	<p>To learn how to sew cross-stitch and appliqué</p> <p>To design a product and its template</p> <p>To decorate fabric using appliqué and cross-stitch</p> <p>To assemble and complete a cushion</p>	