

Year 8

Timing	Unit title	Key question	Knowledge	Assessing understanding
1X term on rotation	Iconic Lamp	<i>What does it take to be 'Iconic' ?</i> 1. Investigations into culturally significant designs 2. Design strategies -Isometric/ CAD/CAM 3. Incorporating electronics & wood	*Investigating design and culture and its impact on society *Mathematical drawing skills & isometric projection *Use of 2D drawing software *Use of CAM vinyl cutter and understanding the role of computer aided manufacturing *Introduction to basic electronics and circuits including inputs and outputs *Safety and soldering of electronic circuits *Investigation and evaluation of plywood, products and methods of manufacture	*Case study and analysis of iconic products *Isometric presentation drawings of design ideas Skillful use of 2D design software *Completed, working prototype *Objective evaluation of outcome *Communication with subject specific language *Cohesive project that evidences stages of learning
1X term on rotation	Surface Decoration on a designer Inspired Cushion	<i>How can designers inspire our ideas?</i> 1. Work of others 2. Sewing machine competence for decoration & construction 3. Fabric selection and aesthetic qualities	*Exploring shape, form and colour in the work of contemporary designers *Range of design ideas for a cushion *Planning final design to scale and creating paper templates and a pattern *Learning free machine and hand embroidery skills *Learning how to apply applique *Using sewing machine to produce a decorative cushion	*Showcasing selected details from designers in original design work *Production of a cushion that uses sophisticated surface decoration techniques *Objective evaluation of outcome *Communication with subject specific language *Cohesive project that evidences stages of learning

			<ul style="list-style-type: none"> *Understanding the properties of natural fabrics *Construction of the cushion 	
1X term on rotation	Modern lifestyles and their impact on the food industry	<p><i>What are the impacts of our food choices?</i></p> <ol style="list-style-type: none"> 1. Impact of food production on the planet- reducing meat/air miles 2. Cultural foods and links with eatwell guide 3. Fair trade 	<ul style="list-style-type: none"> *Selection and combining of ingredients using nutritional guidelines *Understanding the impact of food consumption on Co2 emissions *Benefits of eating seasonably. *British values and food provenance *Fair Trade *Investigating cuisines from around the globe and creating dishes based on the principles of a Bento Box. 	<ul style="list-style-type: none"> *Project promoting the benefits of seasonal eating *Practical dish utilising seasonal produce *Project using the concept of a Bento box that applies the <i>Healthy Eating Guidelines</i>. *Project investigating a global cuisine *Practical dishes reflecting the cuisine of choice *Communication with subject specific language