

Design Technology

Key stage 3 : food, materials and textiles

Assessment Opportunities	Literacy/Reading opportunities	CEIAG Links
<p>Assessment is every 5 weeks looking at the end product made in materials and textiles. Week 6 is to reflect and feedback to peers and discuss ways to improve our product as part of our design, make evaluation curriculum. In food there is a written paper that covers key themes taught in the rotation in week 6. Topics include key temperatures and recall of definitions.</p>	<ul style="list-style-type: none"> - Reading recipes - Reading and matching key tools and definitions - Reading methods and key terminology - Reading rules of the room and being able to write about the importance of safety rules in dt - verbally and written. - Production plans 	<p>There are many industrial links in all areas of DT that are not only just referred to in lessons but also brought to life with interactive workshops, visiting guest speakers and linking in with extra curricula clubs. For example - pattern cutting workshop with Q and A with head of costumes from TV dramas, Students making benches with Screwfix. Food reference to environmental health officer, interactive workshop from the Royal Marines and local chefs. Nutritionist and roles within hospitality and catering as well as the health care sector.</p> <p>Careers are a big part of the DT curriculum and we actively encourage job role discussion as part of our everyday teaching. We discuss roles that are not always thought of for example - types of engineering, food taster, textiles and fashion designer and food buyer.</p>

Curriculum vision:

“Our aim is to deliver a curriculum that is inclusive, relevant and progressive for all learners.”

Lesson 1	Fashion and textiles			Lesson Breakdown
Objectives	Design - to design, make and evaluate a wall hanging pennant			Design, make evaluate - to design, make and evaluate a wall hanging pennant, designing for yourself.
Outcomes	<ul style="list-style-type: none"> - Introduction into textiles - Pattern cutting - Cutting of fabric 			Key questions -
Time frame	1 hour	Assessment	End of unit	<ol style="list-style-type: none"> 1. Wall hanging pennant - what could you theme be ? existing designs to help with design 2. Product analysis <p><i>Product analysis</i> - what existing design are there ? shape, colours, trim, fabrics</p> <p>Mood board of existing cushion design - price and design</p> <p>Demonstration on how to make a pattern and cut out felt, explanation on what felt is and how and why its used.</p>
Prior learning	Design brief, design, make and evaluate			
Key vocabulary	Personalised , design, shape, felt, fabric, textiles			<ul style="list-style-type: none"> - Demonstration on how to cut out a pattern - Students cut out the pattern using the fabric selected - Talk on the fabrics to be used and why its 100% cotton is the best fabric to it
Character and cultural development	Embed excellence in Design technology Continued development with literacy skills, Project management in design Research strategies, Existing products			
Skills Coverage	Textiles skills, fabric manipulation, felt, cutting , making a template			
Extension / challenge	Research the cushion you have at home – look at what they are made from, do they have zip attached why ? what is the filling made from...			Homework – presentation on who you are making the cushion for.

Lesson 2	Make - marking and making a pattern ready for assembling			Lesson Breakdown <ul style="list-style-type: none"> • Recap what we are doing and why • Prepare a pattern for the cushion • Select the fabric and cut the fabric after securing with pins • Iron fabric <p>Once secure the fabric on the pattern, using fabric scissors cut out the fabric and secure your name on the fabric. 2 pieces of fabric the same size and shape are needed</p> <p>Demonstration on marking and making and the need to be accurate when cutting the pattern and the fabric.</p>
Objectives	To start to prepare you cushion for assembly			
Outcomes	Make - pattern from own design to cut fabric			
Time frame	1 hour	Assessment	Practical skills	
Prior learning	Designers and their influence			
Key vocabulary	Design, influence, shape, texture, fabrics			
Character and cultural development	Personalised cushion, character development			
Skills Coverage	Pattern marking, correct selection of fabrics, use of cutting scissors and how to cut fabric			
Extension / challenge	- Look at adding a pocket to the cushion and for the cushion to have a function to store for example.			
				Homework – research applique design on cushions

Lesson 3	Make - sewing machine		Lesson Breakdown	
Objectives	To be able to thread a sewing machine and be bale to test out the stitches and use of the machine as well as threading the bobbin			
Outcomes	Make - start to crochet a remembrance poppy			
Time frame	1 hour	Assessment		Practical skills
Prior learning	Designers and their influence			
Key vocabulary	Bobbin, thread, tension			
Character and cultural development	Designing for others			
Skills Coverage	Threading a sewing machine and bobbin			
Extension / challenge	- Secure 4 sides of a remnant of fabric using different stitches			Homework –

Lesson 4	Make - assemble the cushion			Lesson Breakdown <ul style="list-style-type: none"> • Recap what we are doing and why • Spot demonstration on assembling the cushion and filling the cushion • How to secure the cushion using a running stitch to secure the sides of the cushion • Adding personalised detail for example – initial picture (transfer print) • Students to assemble the cushion
Objectives	To start to crochet a poppy and leaf for display			
Outcomes	Make - start to crochet a remembrance poppy			
Time frame	1 hour	Assessment	Practical skills	
Prior learning	Designers and their influence			
Key vocabulary	Design, influence, shape, texture, manipulation, crochet			
Character and cultural development	society, community initiative , mental health, remembrance, strawberry fields and the salvation army			
Skills Coverage	Crochet, crochet materials and use of fabrics and thread			
Extension / challenge	- Add detail to the centre of the poppy			

Lesson 5	Finishing, assembly – applying finishing techniques of your cushion			Lesson Breakdown <ul style="list-style-type: none"> • Recap what we are doing and why • Spot demonstration on assembling the cushion and filling the cushion • How to secure the cushion using a running stitch to secure the sides of the cushion • Adding personalised detail for example – initial picture (transfer print) <p>Students to assemble the cushion</p>
Objectives	To apply finishing techniques to the cushion			
Outcomes	Finished cushion with to be given as a gift			
Time frame	1 hour	Assessment	Assessment of final outcome.	
Prior learning	Sewing machine and threads, research, design for others			
Key vocabulary	Finish, shaping, embellishment , assembling.			
Character and cultural development	Making something for someone else as a gift			
Skills Coverage	Design, make and assemble of personalised cushion			
Extension / challenge	<ul style="list-style-type: none"> - Use the sewing machine to use hand embroidery to make a personalised gift tag - 			

Lesson 6	Evaluation student voice	Lesson Breakdown <ul style="list-style-type: none"> • Students to test their work using the assessment criteria. • Students to describe their evaluation points on worksheets • Peer assessment: Students to peer assess their work using the grading criteria and worksheet • Practical: Student's to use findings to improve quality of outcome. • End of unit review • Student voice
Objectives	To evaluate the finish product and justify the decisions made through the design process	
Outcomes	Evaluate All aspects of products evaluated and fully finished product	
Time frame	1 hour	
Key vocabulary	Evaluation, testing, finishing, techniques shaping	
Character and cultural development	Review, testing, quality control checking.	
Skills Coverage	Testing and evaluating	
Extension / challenge		End of unit