

Subject: Fashion

Year group: 8

Project intent: Develop an understanding of a range of decorative techniques and textiles processes. To use this understanding to inform a design and make task.

This project aims to cover a range of decorative techniques used in the Fashion and textiles industry. Students will also gain an understanding of sewing machine skills including safety assessments. These skills will lead in to a design and make task which will guide students not only through the design and make process, including looking at the design brief, specification and design skills but will also enable them to practise and perfect their previously learnt decorative and sewing skills and how to use them creatively.

This Unit will cover topics that are not only fundamental to progression in the Design and Technology curriculum but also the GCSE Design and Technology course. Additionally, this Unit will aim to link with subjects such as Maths and Science in order to build on students' prior knowledge). This will help students develop academic links and appreciate the wider STEM agenda.

Designing		Making		Technical Knowledge (big picture/fundamental topics)	
Designing Generating, developing, modelling and communicating ideas	D1 - You are able to explain and follow the iterative design process	Making Planning, practical skills and techniques	M1 - You are able to select appropriately from specialist tools i.e. tenon saw	Technical Knowledge (big picture/fundamental topics) Making products work	T1 - Types of materials e.g wood, metal, plastic and textiles
	D2 - Generate creative ideas using hand drawn techniques using annotated sketches: Biomimicry		M2 - You are able to select appropriately from specialist techniques and processes		T2 - Material properties
	D3 - Demonstrate the ability to present work to a high standard		M3 - You understand different materials based on their properties, such as malleability		T3 - Joining methods
	D4 - You can create an isometric drawing using basic equipment		M4 - You can explain and follow safety rules and procedures		T4 - Safety and risk assessment
	D5 - You can create an orthographic drawing using basic equipment		M5 - You demonstrate the ability to use complex materials i.e. plywood		T5 - Orthographic projection
	D6 - Compare ideas against specification to determine their success		M6 - You have demonstrated use of a broad range of processes and techniques		T6 - Isometric drawing
	D7 - Use CAD software, such as 2D design or Fusion 360, to model basic forms		M7 - You have demonstrated use of CAD/CAM to manufacture		T7 - CNC production
			M8 - You have demonstrated applying a range of finishing techniques i.e.		T8 - Scales of production
	M9 - You have demonstrated the ability to mark out accurately on different materials		T8 - Motion		
	M10 - You have demonstrated use of different joining techniques		T9 - Levers and linkages		
	M11 - You have demonstrated modifying the appearance of materials		T10 - Circuits and electronic components		
		T11 - Maths - measuring and dimensioning			
		T12 - Maths - Area and volume			

Week	Subject Topic	Key Learning points/big questions	T3 Vocab	Independent/Home learning	Linked Assessment	Resources
Sewing machine skills (3 weeks)						
4	Sewing machine practise 1	<p>Intentions:</p> <ul style="list-style-type: none"> - Gain understanding of how to set up the top thread a bobbin on a sewing machine. - Gain practical experience in using a sewing machine confidently and accurately. - Evaluate why sewing by machine might be better than sewing by hand. <p>Questions:</p> <p>Why use a sewing machine over sewing by hand?</p> <p>What are the main parts of the sewing machine? (bobbin, top thread, spool pin, presser foot, balance wheel)</p> <p>What is a seam allowance?</p> <p>What is a bobbin?</p> <p>What is the most commonly used stitch on a sewing machine?</p> <p>What is the right and wrong side of fabric?</p>		<p>Knowledge organiser self quiz:</p> <p>Produce a mind map of all the information you have learnt from the KO. Add knowledge you have gained from your lessons.</p>	<p>M1: Tools & equipment</p> <p>Teacher assessment of how student uses the sewing machine including setting up.</p>	
	Sewing machine practise 2					
5	Assessment	<p>Intentions:</p> <ul style="list-style-type: none"> - Be able to produce a high-quality plain seam - Understand what a seam is and how to neaten it. <p>Questions:</p> <p>What is a seam?</p> <p>What is a plain seam used for?</p> <p>How would you neaten a plain seam?</p> <p>What is a seam allowance on a plain seam?</p> <p>What are pinking shears used for?</p> <p>What is an over locker?</p> <p>How do you pin fabric?</p> <p>What do you do if you sew incorrectly?</p>		<p>Knowledge organiser self quiz:</p> <p>Generate 10 questions from the information on your KO. Self test yourself using these questions.</p>	<p>M10: Joining methods</p> <p>M1: Tools & equipment</p> <p>Sample of a plain seam</p> <p>Step by step instructions showing how to produce a plain seam.</p>	
	Perfecting a plain seam					
6	Patchwork samples	<p>Intentions:</p> <ul style="list-style-type: none"> - Be able to produce at least one method of patch work <p>Questions:</p> <p>What is patch work?</p> <p>What seam would be used on patchwork?</p> <p>How would you neaten the edges of patchwork?</p>		<p>Complete brain dump 1 activity. Write in the box, everything you currently know about production types, both from lessons and the KO.</p>	<p>M10: Joining methods</p> <p>M1: Tools & equipment</p> <p>Samples of patchwork</p>	
	Patchwork samples					