

TEXTILES: D&T DEPARTMENT CURRICULUM MAP 2022-2023

Year 7 (One term)		Year 8 (One term)		Year 9 (7 weeks)	
THEORY	PRACTICAL SKILLS	THEORY	PRACTICAL SKILLS	THEORY	PRACTICAL SKILLS
<p>Knowledge & Understanding Work safely in a practical area. Work with fabric; properties & characteristics Set up a sewing machine; sew accurately & safely. Identify intended user and design for their requirements Understanding and applying technical language Analysing and evaluating final product against design specification. To understand basic textiles equipment that they will be using. To understand what fibres and fabrics are and where wool, cotton, silk and polyester come from Hand sewing and sewing on a button.</p> <p>Researching Understanding functionality Understand woven fabrics Creating & using a mood-board Cotton production & its characteristics The 6 R's & sustainability</p> <p>Design development Draw using TechSoft 2D & convert file for laser cutter Designing for a client & understanding how to apply ergonomics & anthropometrics. Pattern production/repeat patterns</p>	<p>Bag for Life Project</p> <p>Health and Safety General workshop safety Using a sewing machine (complete basic machine licence) Use of basic equipment Correct handling of fabric and thread scissors. Learn how to use pattern pieces and cut out accurately. Use an iron safely. Effective tacking Correct use of pins. Using the 15mm measuring guide on sewing machine for seam work. Accurate measuring Using fabric scissors correctly Following simple instructions to make a draw-string bag Learn how to use 2D design to create a laser cut.</p>	<p>Knowledge & Understanding Identify a client, establish want/need and write a profile. Identify appropriate CAM to be used for CAD work. Understanding how to choose the correct material for a specific technique Analysing and evaluating samples from development work & final product Working with fabrics – properties and characteristics Project planning</p> <p>Researching Natural V synthetic fabrics 3D drawing techniques Writing Design briefs Writing Design specifications</p> <p>Design development Techsoft 2D design to create CAD embroidery Annotation and development of CAD work Isometric drawing Annotating a range of design ideas that meet the brief Using help cards to create and develop ideas Creating a final design from developed ideas to include dimensions.</p>	<p>Design and make a zipped container for a client.</p> <p>Health and Safety General workshop safety Using a sewing machine (complete intermediate machine licence) Correct handling of fabric and thread scissors Develop pattern pieces and cut out accurately. Use an iron safely. Effective tacking Correct use of pins. Using the 15mm measuring guide on sewing machine for seam work. Accurate measuring CAD/CAM embroidery</p> <p>Inserting a zip into material Development work/testing to include a range of chosen techniques; Sublimation printing CAD/CAM embroidery, laser cutting Tie dye Heat transfer and use of the heat press</p>	<p>Knowledge & Understanding Identify a client, establish want/need and write a profile. Characteristics and properties of materials and components Analysing and evaluating materials fit for purpose Independent problem solving Evaluating against a design specification</p> <p>Researching Independently find out how to make chosen product Independent choice of #Thinkdo thinking & doing activity card Developing a design brief Developing a design specification Alternative materials or Smart materials for use in project Designer or theme of choice</p> <p>Design development Creating a range of annotated initial ideas for products that meet client needs Using help sheets to create and develop ideas Creating a final design from developed ideas to include dimensions CAD as appropriate for product</p>	<p>Create a cushion using a range of techniques that would be suitable for a chosen client.</p> <p>Health and Safety General workshop safety Using a sewing machine (complete refresher for using the sewing machine) Correct handling of fabric and thread scissors Develop pattern pieces and cut out accurately. Use an iron safely. Correct use of pins. Using the 15mm measuring guide Accurate measuring</p> <p>Independent application of practical skills taught in Y7&8 including CAD/CAM embroidery</p> <p>Selecting and incorporating materials and components that may include;</p> <p>Selecting the techniques for own design Development work/testing to include a range of chosen techniques; Batik, tie dye, block printing, Sublimation printing CAD/CAM embroidery Laser cutting fabric Applique Machine embroidery Screenprinting</p>
<p>Link to GCSE: Responsibilities of designers – conserving resources & protection of our natural environment. Introducing the work of others Technical language Writing a design specification Analysing & evaluating.</p>	<p>Link to GCSE: Developing pattern pieces Knowledge of technical terms Cutting & finishing fabrics Characteristics of materials Quality control Knowledge of fibres and fabrics.</p>	<p>Link to GCSE: Choosing and using the appropriate materials for a given task. Developing specifications Test and evaluate The work of others Annotated sketches Planning Designing for a client</p>	<p>Link to GCSE: Select and use specialist techniques Developing pattern pieces Cutting and finishing fabrics Characteristics of materials Quality control Knowledge of technical terms</p>	<p>Link to GCSE: Designing, solving design problems and making design decisions (working on own design problem) Understanding properties of materials Developing design briefs Developing & testing against specifications Test and evaluate Designing for a client</p>	<p>Link to GCSE: Using a wide range of techniques to create decorative effects To understand more about materials and how they behave. To be confident with use of various materials in the classroom</p>
<p>ASSESSMENT Assessed on the cover of the booklets – 8 common assessment criteria</p>	<p>ASSESSMENT Verbal feedback to correct technique. Overall assessment on the cover of the booklets (planning and making)</p>	<p>ASSESSMENT Assessed on the cover of the booklets – 8 common assessment criteria</p>	<p>ASSESSMENT Verbal feedback to correct technique. Overall assessment on the cover of the booklets (planning and making)</p>	<p>ASSESSMENT Assessed on the cover of the booklets – 8 common assessment criteria</p>	<p>ASSESSMENT Verbal feedback to correct technique. Overall assessment on the cover of the booklets (planning and making)</p>