

Programme of Learning – Textiles

	Year 7	Year 8	Year 9	Year 10	Year 11	Post 16
Knowledge & Understanding	<p>Branding and Products Understand the properties of fibres cotton and polyester. Plain weave</p> <p>Using a sewing machine Simple seams hand or and machine</p> <p>Health and Safety general workshop use</p> <p>Higher level 3d elements</p> <p>Use of components to enhance a design</p> <p>Design process Basic design criteria /specification Generate design proposals against stated design criteria</p> <p>Annotating design work Developing ideas and recording processes</p> <p>Advantages and disadvantages of CAD</p> <p>Intro to designing</p> <p>be creative and innovative when designing;</p> <p>Annotating designs how to explain / clarify ideas</p> <p>CAD Designing</p> <p>Quality Control</p>	<p>Learning Products Understand the physical properties of additional materials. Textures and colours</p> <p>Computerised sewing machine – labels</p> <p>Health and safety for user based on product</p> <p>Understanding smart or modern materials</p> <p>Advantages and disadvantages of components suitable for designing products</p> <p>Design process Analysis of products ACCESS FMM</p> <p>Recording detailed specifications/design criteria's</p> <p>Pattern cutting and markings</p> <p>Quality control link to Quality Assurance</p>	<p>Fibre to fabric, construction methods Investigate woven fabrics (plain weave, twill weave and satin weave) factors that affect design</p> <p>Textile labelling, including statutory legislation;</p> <p>Design Process</p> <p>Develop and use design briefs and specifications for product development</p> <p>Industrial processes</p> <p>Methods of production</p> <p>Presentation skills</p> <p>Generate design proposals against stated design criteria, and to modify their proposals in the light of on-going analysis, evaluation and product development</p> <p>Evaluate and modifying</p>	<p>Fabrics Fabrics blends and mixes Testing fabrics Fabric finishes Sustainable/biodegradable fabrics</p> <p>Exam Production methods Moral/ Social issues in textiles Advantages and disadvantages of production systems Industrial processes Sustainable design QC & QA Just In Time, line and sub-assembly</p> <p>Manufacturing plans</p> <p>Product analysis /Factors that constitute fitness for purpose</p> <p>Presentation skills Fashion design/illustration including Smart Fabrics inc Nano technology</p> <p>Lay planning</p> <p>Controlled Assessment Analyse and evaluate existing products, including those from professional designers</p> <p>Trends</p>	<p>Controlled Assessment</p> <p>Design and Development Manufacturing and industrial practice</p> <p>Fabric specifications Product/manufacturing plans</p> <p>Evaluation of product compared with market alternatives</p> <p>Exam</p> <p>Review Fibres and fabrics inc natural fibres (cotton and wool), regenerated fibres (viscose), synthetic fibres (polyester and elastomeric.</p> <p>Smart, nano, electrical</p>	

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			<p>design ideas and proposals and improve the products throughout inception and manufacture</p> <p>Emerging technologies – electronic textiles</p> <p>Advantages and disadvantages of components</p> <p>H&S in the work place</p>	<p>H&S in the work place</p> <p>Client profile</p> <p>Create a design criteria/specifications</p>		
Skills & Application	<p>Branding – printing</p> <p>Students will use a sewing machine and transfer printing to produce a saleable product.</p> <p>CAD</p> <p>Students will be shown how to create colour ways and repeat patterns using adobe fireworks</p> <p>Quality control</p>	<p>Students will develop their ability to communicate fashion design through hand and CAD methods</p> <p>Techniques used, illustrator</p> <p>Rendering techniques</p>	<p>Lamps</p> <p>Cutting skills</p> <p>Batik</p> <p>Machine embroidery</p> <p>Lazer cutter</p> <p>Illustrator / fireworks</p> <p>Shibori</p>	<p>micro-encapsulated 'Smart' fabrics (Review)</p> <p>Overlocker use</p> <p>CAM – sewing machine create a label.</p>		

Student Support & Development

Staff team & their skills.

Inclusion:

Extra-curricular opportunities, trips &

Subject vision

It prepares pupils for life in tomorrow's world with its rapidly changing technologies. It

their creativity to improve the

Progression

(Post 16, careers)

A levels/ Btec in fashion, textiles