

## GCSE Textiles Personalised Learning Checklist

**Exam Board:**

**My target grade is:**

**Topic/Module:**

**Year Group: 11**

**My predicted grade is:**

Use this checklist before your assessment to focus your revision, and after to check the effectiveness of your revision

<b>G</b>	I am confident about this topic and I know what I need to do to revise it
<b>A</b>	I am not too sure about this topic, I may need to check with my teacher and spend more time revising this topic
<b>R</b>	I am not confident I could answer a question on this topic. I need to check with my teacher and ensure I have what I need to revise it.

Revision Resources	Topic / Unit Focus	R	A	G
<b>MATERIALS AND COMPONENTS</b>				
<b>Fibres and Fabrics</b>				
	Characteristics of natural fibres (cotton and wool).			
	Characteristics of regenerated fibres (viscose).			
	Characteristics of synthetic fibres (polyester and elastomeric).			
	Fabric Construction.			
	Fibre Combinations.			
	Modern Microfibers.			
	Technological advances in textiles materials.			
	Working Properties of Fibres and Fabrics.			
	Impact on Fabric Choices for Products.			
	Manufacturers' Fabric Specifications.			
	How Manufacturing Techniques and Processes can Influence Fabric Choices.			

**Product Maintenance, Suitability and Fitness  
for Purpose**

	Textile Labelling, Including Statutory Legislation.			
	Factors which Constitute Suitability/ Fitness for Purpose.			
	Maintenance Needs of Textile Product.			
	Typical/Popular Fabric.			

**Finishing Processes and Components**

	Dyeing and Printing.			
	Decoration and Enhancement.			
	Emerging Technologies: Nano Materials and Integrated Electronics.			
	Finishes.			
	Smart Finishes; Thermochromatic.			
	Technological Advances in Component Design.			
	Manufactured Components.			

**DESIGN AND MARKET INFLUENCES**

**Product Analysis**

	Product Design.			
	Trend Forecasting.			
	Analyse Past and Present Textile Designs and Products.			
	Evaluation Techniques.			
	Evaluation of Quality of Own Product Compared with Market Alternatives. Social, Cultural, Moral, Health & Safety and Environmental Issues.			
	Social and Cultural Influences on the Consumer Market.			
	Consumer Choice and Ethical Issues.			
	Moral and Environmental Issues.			

### Environmental Effects

	Disposal of Chemicals Used to Manufacture Products.			
	Disposing of Waste in a Safe and Environmentally Friendly Way.			
	Health & Safety Issues as Designers.			
	Health & Safety Issues as Consumers.			
	Health & Safety Issues as Manufacturers.			

### PROCESSES AND MANUFACTURE

#### Techniques and Processes

	Production Processes.			
	JiT, Line and Sub-assembly.			
	Ability to Use Specialist Machinery to Produce a Quality Product.			

#### Production Planning

	Flow Chart to Show Logical and Efficient Sequences of Work.			
	Detailed Working Drawing.			
	Manufacturing Specification.			
	Costs of Production, Including the Constraints of Budget and Time Scale.			

#### Quality Assurance

	Produce Prototypes of Own Design(s) and Test Against the Design and Manufacturing Specification.			
	Modify the Prototype/Product, Where Appropriate, to Ensure that it Meets the Specifications.			
	Incorporate Modifications as Necessary During Manufacture to Ensure Quality Products.			
	Consequences: increased & reduced use of product packaging;			
	Advantages & disadvantages of re-cycling & re-using materials.			

#### Information and Communication Technology

	Use ICT as appropriate to research, collect, sort and present information.			
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	CAD and CAM to design, develop, modify, enhance, model and communicate ideas.			
	Importance and benefits of using CAD/CAM in textile production in a global industry.			
	Know and understand that CAD/CAM can be used to aid planning, to enhance accuracy and efficiency of production and assure aesthetic quality.			
	Know and understand that CAD/CAM can be important in the reduction of manufacturing costs.			

Additional Support/ Guidance:

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