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## A-Level D&T: Fashion and Textiles (7562)

### Theory Folder Index and Assessment Yr. 12

Term	Description	✓	Assessment /Feedback
1	<b>Unit 1: Performance fabrics</b> <b>AO1:A</b> 20 max marks Investigation into performance fabrics Product analysis Shop survey Comparative shop survey First concept.		
1	<b>3.1.2</b> Paper 1: Performance Fabrics		
1	<b>3.1.1 Materials &amp; their applications</b> <i>(See separate sheet on fibres)</i> Natural Fibres Regenerated Fibres Synthetic Fibres Smart Materials Modern Materials		
1	Fabric Testing notes and BSi Sheet		
1	<b>3.1.4</b> Paper 2: Finishes		
1	<b>Unit 2: Communication and influences</b> Information Drawing Socioeconomic Influences; background Own research Designers and their work (iconic)		
2	<b>3.2.2</b> Paper 3: Iconic design		
2	<b>3.2.2</b> Unit 3: Prototype Development <b>AO1:A</b> 20 max marks Design Movement Influence on current trends Product analysis or Disassembly <ul style="list-style-type: none"><li>• First concept</li></ul>		

Term	Description	✓	Assessment /Feedback
2 & 3	<b>AO2:C</b> 25 max marks Development of a design proposal		
3 & 4	<b>AO2:D</b> 25 Max marks Development of design prototype		
3	<b>3.1.2 Hand &amp; Machine Knitting:</b> Warp knitting Weft knitting Panel knitting Fully fashioned panels Whole garment knitting		
3	Mock; Paper 1 Technical principles		
4	<b>Non-woven Fabrics:</b> Felts, adhesive and heat bonded Needle-felt		
4	<b>Special woven effects:</b> Checks & stripes (gingham, tartan, madras)		
4	<b>Surface effects</b> Boucle and crepe Crinkle and permanent creasing Metallic fibres Dyes Use of thermoplastics		
4	Paper 4		
5	<b>Performance characteristics of woven fabrics:</b> Plain variations Twill variations Satin variations Brocades and jacquards Three yarn system weaves		
5	<b>Smart materials and their applications:</b> Temperature changes Changes in light levels Changes in pressure		
5	<b>Technical Textiles:</b> Phosphorescent Micro-encapsulated Ceramic & Carbon fibres used in Nano-fibres Ceramic fibres in UV protection properties		

Term	Description	✓	Assessment /Feedback
<p><b>3.1 Technical principles: Materials and their applications – Termly Fibre Focus:</b>  <b>You need to produce a fact sheet for each fibre listed below;</b>            Make sure you include the source, properties, longitudinal and cross-section views, performance characteristics, uses and fibre formation wherever possible.</p>			
1	Natural: Plant/cellulosic Cotton Linen Ramie		
2	Natural: Animal/protein Wool Silk		
2	Natural: Hair Cashmere Mohair Angora		
4	Man-made: Regenerated Viscose Acetate		
4	Man-made: Regenerated Modal Tencel Lyocell		
5	Man-made: Synthetic Polyamide Polyester Acrylic Elastomeric		
6	Man-made: Synthetic fabrics: Chlorofibres Flurofibres Aramid (Kevlar and Aramid) Inorganic		
<p align="center"><b>3.2.2 Designer Directory</b>  <b>Produce a directory of key designers and the influence of their work:</b></p>			