

KS4 Textiles Curriculum Plan 2014-15

Exam board: AQA

<http://www.aqa.org.uk/subjects/design-and-technology/gcse/design-and-technology-textiles-technology-4570/>

Full details of the units:

Topic	Content & Skills
Designing Skills	<ul style="list-style-type: none">▪ be creative and innovative when designing;▪ design products to meet the needs of clients and consumers;▪ understand the design principles of form, function and fitness for purpose;▪ understand the role that designers and product developers have, and the impact and responsibility they have on and to society;▪ analyse and evaluate existing products, including those from professional designers;▪ develop and use design briefs and specifications for product development;▪ consider the conflicting demands that moral, cultural, economic, and social values and needs can make in the planning and in the designing of products;▪ consider environmental and sustainability issues in designing products;▪ consider health and safety in all its aspects;▪ anticipate and design for product maintenance where appropriate;▪ design for manufacturing in quantity and to be aware of current commercial/industrial processes;▪ generate design proposals against stated design criteria, and to modify their proposals in the light of on-going analysis, evaluation and product development;▪ reflect critically when evaluating and modifying their design ideas and proposals in order to improve the products throughout inception and manufacture;▪ use, where appropriate, a range of graphic techniques and ICT (including digital media), including CAD, to generate, develop, model and communicate design proposals;▪ investigate and select appropriate materials and components;▪ plan and organise activities which involve the use of materials and components when developing or manufacturing;▪ devise and apply test procedures;▪ check the quality of their work at critical/key points during development, and to indicate ways of modifying and improving it when necessary;▪ communicate the design proposal in an appropriate manner;▪ be flexible and adaptable when designing;▪ test and evaluate the final design proposal against the design specification;▪ evaluate the work of other designers to inform their own practice;▪ the advantages of working collaboratively as a member of a design team;▪ understand the need to protect design ideas.
Making Skills	<ul style="list-style-type: none">▪ select and use tools/equipment and processes to produce quality products;▪ consider the solution to technical problems in the design and manufacture process;▪ use tools and equipment safely with regard to themselves and others;▪ work accurately and efficiently in terms of time, materials and components;

	<ul style="list-style-type: none">▪ manufacture products applying quality control procedures;▪ have knowledge of Computer Aided Manufacture (CAM) and to use as appropriate;▪ ensure, through testing, modification and evaluation, that the quality of their products is suitable for intended users and devise modifications where necessary that would improve the outcome(s);▪ the advantages of working as part of a team when designing and making products.
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