

TECHNOLOGY FACULTY – TEXTILES
EDEXCEL TEXTILES (Component1 Written Paper Code 1DTO/1E)

YEAR 10 CORE CONTENT

<i>Topic(s) covered</i>	<i>Resources available e.g. Website</i>
<p>Section A – Core</p> <ul style="list-style-type: none">• The impact of new and emerging technologies.• Energy storage and generation.• Modern and smart technologies.• Systems approach to designing.• Mechanical devices.• Materials and their working properties. <p>Section B - Material Categories</p> <ul style="list-style-type: none">• Selection of materials and components.• Forces and stresses.• Ecological and social footprint.• Scales of production.• Sources of origins.• Using and working with materials.• Stock form, types and sizes.• Specialist techniques.• Surface treatment and finishes.	<p>Textiles based materials.</p> <p>CAD CAM programmes on school network.</p> <p>The textile department has its own intranet site on the student network which links to useful sites for student research.</p> <p>Create – Textiles CD ROM.</p> <p>The LRC has a range of books covering topics related to textiles e.g. Era's and Designers.</p>

TECHNOLOGY FACULTY – TEXTILES (Edexcel Component 2/NEA Paper Code 1DT0/02)
YEAR 11

<i>Topic(s) covered</i>	<i>Resources available e.g. Website</i>
<p>During this year the students focus on producing their non-exam assessment project. This will require them to complete a design and make activity based on a contextual challenge which is released by Edexcel on 1st June each year.</p> <p>There are four parts to the assessment –</p> <ol style="list-style-type: none"> 1. Investigate (16 marks) Investigation of needs and research as well as a product specification. 2. Design (42 marks) Producing different design ideas, review of initial ideas, development of design ideas into a chosen design, communication of design ideas and review of the chosen design. 3. Make (36 marks) This involves manufacture and accuracy. 4. Evaluate (6 marks) Students are required to test and evaluate their final product. <p>Non-examined assessment (paper code 1DT0/02)</p> <ul style="list-style-type: none"> • 50% of qualification • 20 – 30 A3 pages • 100 marks <p>After the NEA deadline, attention is focused on preparation for the written examination</p> <ul style="list-style-type: none"> • Written examination – 1 hour and 45 minutes • 100 marks • 50% of GCSE course 	<p>Textile based materials</p> <p>CAD CAM programme on school network</p> <p>The Textile Department has its own intranet site on the student network which links to useful sites for student research</p> <p>Create – Textiles CD ROM</p> <p>The LRC has a range of books covering topics related to textiles e.g. Era's and Designers.</p>

