

**Subject: GCSE Design and Technology**

3 x lessons per week.

Approximately 1 per week Component 1 Design and Technology in the 21<sup>st</sup> Century in preparation for Written examination

Approximately 2 per week Component 2 Design and Make Task. NEA

**Year: 11**

<b><u>Autumn Term 1</u></b>	<b><u>Autumn Term 2</u></b>	<b><u>Spring Term 1</u></b>	<b><u>Spring Term 2</u></b>	<b><u>Summer term 1</u></b>	<b><u>Summer term 2</u></b>
<p>Component 2 NEA Section A Identifying and investigating design possibilities</p> <p>Component 2 NEA Section B Developing a design brief and specification</p> <p>Component 2 NEA Section C Generating and developing design ideas</p> <p><b>Component 1 Y10 Mock Exam 1 Reflection</b> Core Technical Principles:</p> <ul style="list-style-type: none"> <li>• Design and Technology in Our World</li> <li>• Mechanical devices</li> <li>• Smart, Composite and Technical Textiles</li> <li>• Materials</li> <li>• CAD/CAM</li> </ul> <p>In-depth Textiles knowledge In depth Timber knowledge</p> <p>(See Y10 SOL for breakdown of content for each component 1 topic area)</p> <p>Revision topics may vary due to targeted intervention on weaker topics</p>	<p>Component 2 NEA Section D Manufacturing of prototype</p> <p><b>Component 1 Y11 Mock Exam 1 Revision</b> Core Technical Principles:</p> <ul style="list-style-type: none"> <li>• Design and Technology in Our World - Energy</li> <li>• Smart, Composite and Technical Textiles</li> <li>• Life Cycle of Products</li> <li>• Materials</li> <li>• Product Analysis</li> </ul> <p>In-depth Textiles knowledge In depth Timber knowledge</p> <p>(See Y10 SOL for breakdown of content for each component 1 topic area)</p> <p>Revision topics may vary due to targeted intervention on weaker topics</p>	<p>Component 2 NEA Section D Manufacturing of prototype</p> <p><b>Component 1 Mock Exam 2 Revision</b> Core Technical Principles:</p> <ul style="list-style-type: none"> <li>• Design and Technology in Our World - Energy</li> <li>• Smart, Composite and Technical Textiles</li> <li>• Electronic systems, programmable components and mechanical devices</li> <li>• Materials</li> <li>• Product Analysis</li> </ul> <p>In-depth Textiles knowledge In depth Timber knowledge</p> <p>(See Y10 SOL for breakdown of content for each component 1 topic area)</p> <p>Revision topics may vary due to targeted intervention on weaker topics</p>	<p>Component 2 NEA Section E Analysing and evaluating design decisions and prototypes</p> <p>NEA deadline</p> <p><b>Component 1 Design and Technology in the 21<sup>st</sup> Century Revision and exam practise</b> Revision topics may vary due to targeted intervention on weaker topics</p>	<p><b>Component 1 Design and Technology in the 21<sup>st</sup> Century Revision and exam practise</b> In-depth Textiles knowledge In depth Timber knowledge Core Technical Principles Design and Make Principles</p> <p>(See Y10 SOL for break down of content for each component 1 topic area) Revision topics may vary due to targeted intervention on weaker topics</p>	<p><b>Component 1 Design and Technology in the 21<sup>st</sup> Century Revision and exam practise</b> In-depth Textiles knowledge In depth Timber knowledge Core Technical Principles Design and Make Principles</p> <p>(See Y10 SOL for breakdown of content for each component 1 topic area) Revision topics may vary due to targeted intervention on weaker topics</p>



*Ludus Admirandus*