

# Year 13 DT – Product



## Year 13 Product Design Curriculum Information

	<b>Key Question:</b>	<b>Specification:</b>	<b>Skill Focus:</b>
<b>Term 1:</b>	What modern manufacturing methodologies are used in industry today?	<ul style="list-style-type: none"> <li>• <i>EDXEXCEL PEARSON – Design and Technology</i></li> <li>• <i>Topic 8: Features of manufacturing industries</i></li> <li>• <i>Topic 12: Further processes and technique</i></li> </ul>	<ul style="list-style-type: none"> <li>• <i>Be able to explain and justify the range on modern manufacturing methods used in the production of everyday products.</i></li> <li>• <i>Be able to justify why companies adopt different strategies to improve performance within their sector.</i></li> <li>• <i>Have a clear understanding of new methodologies such as SCRUM, Critical Path Analysis and Six Sigma</i></li> </ul>
<b>Term 2:</b>	How are products manufactured to meet the needs of Society?	<ul style="list-style-type: none"> <li>• <i>EDXEXCEL PEARSON – Design and Technology</i></li> <li>• <i>Topic 11: Information handling, modelling and forward planning</i></li> <li>• <i>Topic 1-3: Recap of Materials and Processes</i></li> </ul>	<ul style="list-style-type: none"> <li>• <i>Be able to explain how companies use data and market research to ensure products are fit for purpose.</i></li> <li>• <i>Be able to explain how user centered design helps to keep the user happy</i></li> <li>• <i>Have a clear understanding of how legislation drives change when designing products.</i></li> <li>• <i>Be clear in your understanding of the range of materials and processes used in designing everyday products.</i></li> </ul>
<b>Term 3:</b>	How best do we revise for our A Level exams?	<ul style="list-style-type: none"> <li>• <i>EDXEXCEL PEARSON – Design and Technology</i></li> <li>• <i>Clear focus on how to revise and how to answer 8 mark questions</i></li> </ul>	<ul style="list-style-type: none"> <li>• <i>Revision techniques and use of A3 revision sheets.</i></li> <li>• <i>Typical exam question answer recall.</i></li> </ul>

## Year 13 Subject Assessment Information

<b>Assessment</b>	<b>Time/Venue</b>	<b>What will be assessed?</b>
Design Methodologies	<ul style="list-style-type: none"> <li>• <b>In Class</b></li> </ul>	Range of methodologies covered in Topics 8 and 12.
Mock Exam	<ul style="list-style-type: none"> <li>• <b>TBC - Formal</b></li> </ul>	All Units covered so far in course – Workbooks 1-5 including drawing techniques.
Practice Exam questions	<ul style="list-style-type: none"> <li>• <b>In Class</b></li> </ul>	Common examination questions used on all topics. Long type answers – Topics 8 / 12.

