



## CURRICULUM OVERVIEW: DESIGN AND TECHNOLOGY YEAR 11

Year	Term	Unit/s of Work	Assessment	Skills to be covered
11	1	<b>NEA (Non-Examined Assessment)</b> <ul style="list-style-type: none"><li>Developing design ideas (20 Marks)</li></ul>	<ul style="list-style-type: none"><li>Developing design ideas<ul style="list-style-type: none"><li>Development 1</li><li>Development 2</li><li>Modelling</li><li>Final Design</li><li>Manufacturing Specification</li></ul></li></ul>	<ul style="list-style-type: none"><li>Developing an initial idea by using knowledge to improve and explain manufacturing processes</li><li>Modelling using appropriate materials for the chosen design</li><li>Realisation of a final design proposal.</li></ul>
	2	<b>NEA (Non-Examined Assessment)</b> <ul style="list-style-type: none"><li>Realising design ideas (20 Marks)</li><li>Analysing &amp; evaluating (20 Marks)</li></ul>	<ul style="list-style-type: none"><li>Realising design ideas<ul style="list-style-type: none"><li>Manufacturing of final prototype</li><li>Manufacturing Log</li><li>Final Photos</li></ul></li><li>Analysing &amp; evaluating<ul style="list-style-type: none"><li>Testing</li><li>Evaluation Against Specification</li><li>Improvements</li></ul></li></ul>	<ul style="list-style-type: none"><li>Techniques and processes are selected by students depending upon the project undertaken. Common processes include:<ul style="list-style-type: none"><li>Laser cutting</li><li>CNC Processes</li><li>Electrical Components</li></ul></li><li>Skill, complexity and range of techniques displayed</li><li>Evaluative skills</li></ul>

	3	<p><b>Revision</b></p> <ul style="list-style-type: none"> <li>• Core technical principles</li> <li>• Specialist technical principles</li> <li>• Designing and making principles</li> </ul>	<ul style="list-style-type: none"> <li>• Section A – Core technical principles (20 marks) A mixture of multiple choice and short answer questions assessing a breadth of technical knowledge and understanding.</li> <li>• Section B – Specialist technical principles (30 marks) Several short answer questions (2–5 marks) and one extended response to assess a more in depth knowledge of technical principles.</li> <li>• Section C – Designing and making principles (50 marks) A mixture of short answer and extended response questions.</li> </ul>	<ul style="list-style-type: none"> <li>• New Technologies</li> <li>• The Environment</li> <li>• Mechanisms &amp; Forces</li> <li>• Materials</li> <li>• Industrial Production</li> <li>• Work of other Designers</li> </ul>
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