



Year 11 D&T Curriculum Summary

**YEAR GROUP:** 11**SUBJECT:** Product design

When?	Key Questions	Teaching/Learning methods	Assessment
September to Easter.	<p><u>NEA</u> The pupils will be completing their NEA. This is a practical orientated project. This may include or incorporate the following:</p> <ol style="list-style-type: none">1) Analysis of context – identifying design possibilities2) Exploring design possibilities, including social and economic impacts3) Identification of client and investigation of client needs and wants4) Analysis of the work of others/Product analysis5) Design brief6) Draft specification (with reasons)7) Investigative work (functionality, market)8) Initial ideas 19) Initial ideas 2 (including some iterative development)10) Further investigative work (functionality, aesthetics)11) Third party feedback on ideas12) Revised design brief and design specification13) Evaluation of ideas, linked to specification	<p>This work is not teacher led and as a teacher, we cannot give individual feedback to the student. The pupils will complete separate group tasks throughout the project that are not directly related to their NEA. For example the pupils will be shown how to complete an Analysis of context but it will be on a completely different context when working pairs or individually.</p>	<p>This is assessed after the student deadline through moderation and then an examiner will clarify whether it is marked accurately and fairly. If necessary, they will adjust the pupils marks.</p>



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	<p>14) Developing ideas / CAD modelling</p> <p>15) Physical modelling of ideas – with continual evaluation</p> <p>16) Further modelling of ideas. including iterative development and testing</p> <p>17) Further research (materials, manufacturing)</p> <p>18) CAD drawings</p> <p>19) Materials list (with justifications)</p> <p>20) Manufacturing Specification (production plan)</p> <p>21) Practical Diary and Quality control record sheets</p> <p>22) Comparing the final product to the design brief and design specification</p> <p>23) Third party feedback and response</p> <p>24) Evaluation of final product, including annotated picture</p> <p>The pupils will complete exam revision and finish topics that may not have been finished prior to the commencement of the NEA.</p>	<p>The pupils complete peer discussion, class discussion and independent work during these weeks.</p> <p>At the end of the module the pupils complete an evaluation. This is to promote metacognition and embed the learning through reflection. Pupils self- assess and peer assess using the rubric after completing exam style questions. The questions are differentiated over the weeks of the module using bloom’s taxonomy with the higher ordered and more difficult questions being in the create or synthesise section of blooms.</p>	<p>The pupils are assessed using the following mediums:</p> <ul style="list-style-type: none"> • Higher order questioning • Peer discussion • Self-assessment • Peer assessment • Engagement in the lesson



When?	Key Questions	Teaching/Learning methods	Assessment
			<ul style="list-style-type: none">• End of module grading• Homework tasks• Ability to synthesise and answer own and others questions.• Engagement and ability to work with others effectively and develop key skills.