



Year 13 DT Learning Journey

When?	Key Learning Objectives Key Questions (including generic skills, study skills and exam skills)	Teaching/Learning methods	Assessment
September to Easter.	<p><u>NEA</u> The pupils will be completing their NEA (Non Exam Assessment) for their A level. 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 possibilities 2) Exploring design possibilities, including social and economic impacts 3) Identification of client and investigation of client needs and wants 4) Analysis of the work of others/Product analysis 5) Design brief 6) Draft specification (with reasons) 7) Investigative work (functionality, market) 8) Initial ideas 1 9) Initial ideas 2 (including some iterative development) 10) Further investigative work (functionality, aesthetics) 11) Third party feedback on ideas 12) Revised design brief and design specification 13) Evaluation of ideas, linked to specification 14) Developing ideas / CAD modelling 15) Physical modelling of ideas – with continual evaluation 16) Further modelling of ideas. including iterative development and testing 17) Further research (materials, 	<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 pupil’s marks.</p>

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<p>Easter to exam</p>	<p> manufacturing) 18) CAD drawings 19) Materials list (with justifications) 20) Manufacturing Specification (production plan) 21) Practical Diary and Quality control record sheets 22) Comparing the final product to the design brief and design specification 23) Third party feedback and response 24) Evaluation of final product, including annotated picture </p> <p>Exam revision. The pupils will complete exam revision and finish topics that may not have been finished prior to the commencement of the NEA. Topics include:</p> <ul style="list-style-type: none"> • Major Developments in Technology • Technology & cultural Changes • Designers & their Work • Design Styles & Movements • Design Influences • New Materials • Product Life Cycle • New Methods of Manufacture • National & International Standards in Product Design • Design for Manufacture & Project Management • Appropriate Tools, Equipment & Processes • Material Testing 	<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 • End of module grading • Homework tasks • Ability to synthesise and answer own and others questions. • Engagement and ability to work with others

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		Teaching methods include the integration of: <ul style="list-style-type: none">• individual & group work• on line tasks• research & investigation• past exam papers• revision booklets• teacher lead exercises	effectively and develop key skills.