

Subject	Year	Specialism
Design and Technology	Year 13	Product Design
Project		
A Level NEA Project		
Content (Intent)		
<p>Prior Learning: GCSE NEA and Y12 Mock NEA project</p> <p>In the last section of the NEA project, time is given to completing the final making stages of the students products and the evaluation section. A large amount of marks are given to the analysis and evaluation assessment objective (20 marks) so a range of strategies are used to ensure this is completed thoroughly. Analysis should be evident throughout the entire NEA project through the use of summary boxes and analysis of client data and feedback. The final evaluation consists of user testing, comparison to the specification and performance testing. Suggestions for improvements and mass production considerations are also included in this section.</p> <p>Future Learning – D&T theory for exam prep. Degree courses in Engineering and Design/Apprenticeships</p>		
How will knowledge and skills be taught (Implementation)		How will your understanding be assessed & recorded (Impact)
<ul style="list-style-type: none">Client feedback – detailed written feedback given from the user. Photographs of the client using the product.Product in location – images of the product in it's context with annotation to evaluate it's success.Comparison to specification – evaluating the final product against the criteria set out in the original design specification. Both measurable and qualitative data to be used.Product improvements – based on client feedback a range of improvements to the final concept are suggested. These are communicated through sketches and CAD.Commercial production – information on how the product would be manufactured in industry.		<p>Assessment</p> <p>Student work is marked at key intervals to ensure good progress. Verbal feedback as well as self/peer assessment is used during lessons. A more formal assessment is carried out at the end of this project section. Detailed general feedback is given so that students understand the level at which they are working and how to improve.</p> <p>Main areas of assessment:</p> <ul style="list-style-type: none">Development of design prototypes (AO2 – 25 marks)Analysing and evaluating (AO3 – 20 marks)
How can parents help at home?		
<p>Parents and carers can ask to view their child's work and offer feedback on their design ideas. Students will need client feedback throughout the project so it is great to get parents involved.</p>		
Helpful further reading/discussion (including Reading and Vocabulary Lists)		
<p>Reading</p> <p>A Level AQA Revision Notes Text Book Balcarras Product Design Pages https://www.technologystudent.com/ We have many product design books available in the department so please encourage your child to come and have a look!</p>	<p>Vocabulary</p> <p>Manufacturing specification Orthographic drawing Tolerance Quality control Quality assurance Quantitative Qualitative</p>	<p>Careers Links</p> <p>Product Design Graphic Design Furniture Design Careers in Engineering (Design Engineering, Mechanical Engineering Project Management Art and Design careers</p>