

SUBJECT: Design Technology – Timbers		Year: 11	
<p>Overview of the year: During Year 11 students will complete a contextual challenge (Coursework). This is a Design and Make task which should be completed before the last week of April. The task is split into four separate areas – Investigate, Design, Make, and Evaluate. The students will complete the task in school under supervised conditions. This will mean that students will be given general, whole class feedback in order to complete the assignment. Students will not be given individual marks until after their completed coursework is submitted. The assessment for the year will be taken from homework and tests and the mock examination which will help students to consolidate the topics covered in Year 10.</p>			
<p>Term 1a Key questions: Contextual Challenge – Investigate, what scenario sounds most interesting to you.</p>	<p>Content: a. How to identify and fully investigate a design question that you would like to solve b. How to research your users’ needs and wants with full reference to form and function c. How to use research to write a design brief and comprehensive specification</p>	<p>Assessment: i. Test on drawing techniques ii homework on isometric drawing</p>	<p>Weight: 50% 50%</p>
<p>Term 1b Key questions: Contextual Challenge – Design, how can you respond to your user and design requirements?</p>	<p>Content: a. How to use research to help come up with a range of creative design ideas b. How to address design and user requirements from the specification at all stages c. How to use a range of communication techniques to model and develop ideas into a tested and modified final concept</p>	<p>Assessment: i. Test on effects of emerging technologies. ii. Research into present day designers</p>	<p>Weight: 50% 50%</p>
<p>Term 2a Key questions: Contextual Challenge, Make, how can you manufacture a successful and working prototype that meets the user and design requirements.</p>	<p>Content: a. What materials and processes will be most suitable for the project b. How to manufacture a successful working prototype that meets the user and design requirements</p>	<p>Assessment: i. Using CAD homework ii. Test on Materials</p>	<p>Weight: 50% 50%</p>

	<ul style="list-style-type: none"> c. How to demonstrate accuracy and how to stay safe throughout the manufacturing process d. How to present final manufactured piece using photographs and annotations 		
<p>Term 2b Key questions:</p> <p>Contextual Challenge – Evaluate, how you can complete suitable tests to evaluate your product.</p>	<p>Content:</p> <ul style="list-style-type: none"> a. How to conduct suitable tests to evaluate a product b. How to evaluate a product/prototype against user and design requirements c. How to assess the impact of the final designs and prototypes on the environment 	<p>Assessment:</p> <ul style="list-style-type: none"> i. Mock Examination ii. Homework on Joining methods and tools for Timbers 	<p>Weight:</p> <ul style="list-style-type: none"> 50% 50%
<p>Term 3a Key questions:</p> <p>Revision</p>	<p>Content:</p> <ul style="list-style-type: none"> a. Use past papers to prepare for external Design and Technology GCSE examination. 	<p>Assessment:</p> <ul style="list-style-type: none"> i. Mock examination ii. Completed coursework 	<p>Weight:</p> <ul style="list-style-type: none"> 50% 50%