

Year 13 Product Design Curriculum

Autumn Term 2018-19



Curriculum Content	Assessment	What homework will they have?	I'm not an expert, so how can I help?
<p>What will my child be studying this term? Year 13 Product Design leads on from the Year 12 AS course. Students will carry out another design-and-create project, however during this project students respond to design briefs set by the examination board. Although the design process is similar to that of the AS course, marks are awarded for different areas.</p> <p><u>Key questions:</u></p> <ul style="list-style-type: none">• How is ICT incorporated into manufacture?• What different ways can manufacturing be organised and how can this effect the planning and control of a company?• How can sustainability be incorporated into a design?	<p>Students are set weekly exam style questions. Coursework deadlines:</p> <p>Research and specification <u>September</u></p> <p>Design Ideas <u>October</u></p> <p>Detail Designing <u>October</u></p>	<p>Students will be set homework every week (approximately 3 hours). These will take the form of either examination type questions of further research around topics taught.</p> <p>Students will also be expected to continue with coursework at home.</p>	<p>Students can use the Technology department facilities in their private study periods to continue with work (other lessons permitting).</p>
<p>Content covered:</p> <ul style="list-style-type: none">• Human responsibility• Lean manufacturing• Sustainability• Material testing• Forms of energy• Innovation in the market• Quality control and quality assurance			
<p>Literacy and numeracy: Students will need to develop essay writing techniques that display their knowledge – this is used extensively as an assessment technique in the examination.</p>			
<p>What can I do to help my child?</p> <ul style="list-style-type: none">• Discuss the coursework being carried out, especially as deadlines mentioned above approach.• Discuss what decisions designers will have made when designing products.			
<p>Additional resources and details of core texts used: http://www.technologystudent.com/ provides a lot of information about materials, processes and wider engineering concepts. There are extensive notes, case studies and further research areas on documents saved on the school common drive that all students have access to.</p>			
<p>Teaching group arrangements:</p>			
<p>Where can I get more advice? Mr D Bartlett (Technology Curriculum Leader) – dbartlett@stratfordschool.co.uk. Please include the name of your child's teacher so the message can be forwarded appropriately.</p>			