

Year 11 Resistant Materials 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?</p> <ul style="list-style-type: none"> • How can a designer use a specification to develop the optimum design? • What are the important considerations when manufacturing a product? • How can a designer communicate effectively for a third party to manufacture their design? • How can a manufacturer ensure quality in a practical piece? • How can a product be tested to the design specification? 	<p>Modelling and development <u>September</u></p> <p>Manufacture specification <u>October</u></p> <p>Practical work deadline <u>February</u></p> <p>Testing and evaluation <u>February</u></p> <p>Controlled Assessment final deadline <u>February</u></p>	<p>Students are expected to spend approximately 1 hour on their controlled assessment work either after school or at home.</p> <p>Students will be expected to add to design and development at home and this would provide an ideal opportunity to share this work and the learning taking place in lessons.</p> <p>Any practical work completed for a GCSE Controlled Assessment cannot leave school.</p>	<p>Students will be given the opportunity to enter national competitions (information to follow) where they will complete work after school and at home.</p>

Content covered:

Students will study the areas of materials, design criteria, manufacturing processes and quality control through the Controlled Assessment, and examination questions.

Literacy and numeracy:

The Controlled Assessment consists of a design portfolio. Written work is a key element of communication through the writing of a specification and annotation of design and development work. Strategies to assist with this will be employed.

What can I do to help my child?

- Students are working to develop designs that are aimed at specific target market. Acting as a client, discussing your child's work with them and in particular helping them to evaluate their ideas would be useful.
- Encourage your child to look at some of the supporting materials shown below.
- Discussion about what influenced you to purchase certain products would be useful this term.

Additional resources and details of core texts used:

<http://www.technologystudent.com/> provides a lot of information about materials, processes and wider engineering concepts.

Teaching group arrangements:

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.