

Year 9 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? This specification has been designed to encourage candidates to be able to design and make high quality products using a range of materials and techniques. Candidates will be enthused and challenged by the range of practical activities possible. A working knowledge of woods, metals, plastics and composite materials will be required. The use of new technologies is encouraged.</p> <p><u>Key questions:</u></p> <ul style="list-style-type: none">• What are the most suitable tools and processes available to manufacture a product?• What are the working properties of different materials?• What methods of communication are available to the designer?	<p>Concept Car design and development work</p> <p>Concept Car model</p> <p>Dog Tags practical</p>	<p>Students will be set homework every week (approximately 1 hour). These will take the form of design-based tasks or completion of tasks started in lessons.</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>Students will be given the opportunity to enter national competitions (information to follow) where they will complete work after school and at home.</p>
<p>Content covered: Students will be expected to make a range of products, prototypes and samples, applying technical and practical expertise to ensure that the product is fit for purpose. They will have the opportunity to use traditional skills and modern technologies</p>			
<p>Literacy and numeracy: Students will undertake a number of skills-based units, and must provide a description of each process covered, demonstrating knowledge and understanding of the skill. Strategies to assist with this will be employed.</p>			
<p>What can I do to help my child?</p> <ul style="list-style-type: none">• Students are working to produce items that are fit for purpose. 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.			
<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.</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>			