

Curriculum Information for Parents

<b><i>Design and Technology: Year 10 Product Design 3D</i></b>		
<b>Term</b>	<b>Units of Study/Scheme of work</b>	<b>Key homework and assessments</b>
<b>Term 1</b>	Eggtastic design challenges Thermoforming an acrylic smart device stand Storage caddy - an introduction to wood	Research and project work tasks Written theory tasks covering core materials, specialist materials (polymers) and designing and making principles.
<b>Term 2</b>	Introduction to more complex manufacturing, designing and making a zoomorphic desk lamp. Mock NEA - Shipping container architecture project	Theory tasks Research and project work tasks Written theory tasks covering core materials, specialist materials (polymers) and designing and making principles.
<b>Term 3</b>	3D printed soap dish Start NEA - Non Examined Assessment task (50% GCSE grade). Major design and make context set by AQA Written paper theory	Investigating activities to inform their NEA Written theory tasks covering core materials, specialist materials (polymers) and designing and making principles.
<b>Recommended resources/textbook</b>	Use of DT revision book. It would be useful if all pupils had basic drawing equipment, including colour pencils. Other stationary items such as scissors and glue are also recommended. Onshape Revision guide	
<b>How can we help at home?</b>	Use of design websites (see links) Technology student website Onshape 3D design Support with NEA	

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<b>Design and Technology: Year 10 Textile Products</b>		
<b>Term</b>	<b>Units of Study/Scheme of work</b>	<b>Key homework and assessments</b>
<b>Term 1</b>	<p>Technical skills folder</p> <p>Design and make an artisan apron - "Cool cover-up"</p> <p>Embroidery in wood including CAD design skills and colour theory</p>	<p>Research and project work tasks</p> <p>Written theory tasks covering core materials, specialist materials (textiles) and designing and making principles.</p>
<b>Term 2</b>	<p>Wool for Schools Design competition</p> <p>Investigating the work of other designers and design movements to inspire a cushion</p> <p>Mock NEA - hands free cross-body bag</p>	<p>Theory tasks</p> <p>Research and project work tasks</p> <p>Written theory tasks covering core materials, specialist materials (textiles) and designing and making principles.</p>
<b>Term 3</b>	<p>Complete mock NEA - hands free cross-body bag</p> <p>Start NEA - Non Examined Assessment task (50% GCSE grade). Major design and make context set by AQA</p> <p>Written paper theory</p>	<p>Investigating activities to inform their NEA</p> <p>Written theory tasks covering core materials, specialist materials (textiles) and designing and making principles.</p>
<b>Recommended resources/text book</b>	<p>Use of DT revision book.</p> <p>It would be useful if all pupils had basic drawing equipment, including colour pencils. Other stationary items such as scissors and glue are also recommended. Onshape</p> <p>Revision guide</p>	
<b>How can we help at home?</b>	<p>Use of design websites (see links)</p> <p>Technology student</p> <p>Onshape</p>	