

Year 10– DT Resistant Materials

Subject Title	Design and Technology
Exam board	AQA
Specification code	8552
Entry Level	<i>All pupils complete NEA coursework and a written paper.</i>
Exam details	<i>NEA coursework (50%) and a single 2 hr written paper (50%)</i>
Setting arrangements	<b>Specialist mixed ability subject groups</b>
Time allowed	<i>5 Hours per fortnight</i>
Textbooks and revision guides	<i>Pocket Poster revision book published by Day Dream Education</i>
Homework information	<i>One homework each week of 1 hour duration.</i>

Term	Project	Skills	Assessment
Pre GCSE Project	Art Deco Clock	<ul style="list-style-type: none"> <li>Recognising the elements that make up Art Deco design.</li> <li>Developing a product to key specifications.</li> <li>Incorporating an analogue mechanism into a product.</li> <li>Health &amp; Safety in the workshop.</li> </ul>	An end of project test. Regular HW feedback including 2 items of Deep Marked work.
1 - 2	Storage Box	<ul style="list-style-type: none"> <li>Learning about different types of wood joint, their strengths and weaknesses.</li> <li>Using orthographic drawings to create a working drawing.</li> <li>Researching key designers and developing their styles into a decoration.</li> <li>Health and safety when using hand tools and machines.</li> </ul>	An end of project test. Regular HW feedback including 3 items of Deep Marked work.
2 – 3	Weather Vane	<ul style="list-style-type: none"> <li>Working safely to cut and shape metal.</li> <li>Researching and using a range of metal joining techniques.</li> <li>Understanding the need to finish materials.</li> <li>Health &amp; Safety in the heat treatment area.</li> </ul>	An end of project test. Regular HW feedback including 3 items of Deep Marked work.

4	MP3 Player	<ul style="list-style-type: none"> <li>• Developing an understanding of electronic components.</li> <li>• Health and safety when soldering.</li> <li>• Using flow charts to following or create instructions.</li> <li>• Learning skills to product card prototypes for casing.</li> </ul>	An end of project test. Regular HW feedback including 2 items of Deep Marked work.
5 – 6	Pewter Handle	<ul style="list-style-type: none"> <li>• Developing creative skills to design a product.</li> <li>• Using CAD / CAM to create a mould.</li> <li>• Health and safety when casting hot metal.</li> <li>• Learning to create a tap and die.</li> </ul>	An end of project test. Regular HW feedback including 3 items of Deep Marked work.
Links to websites and revision materials:		Useful websites that pupils can use are embedded into our teaching materials. Using the Pocket Poster revision guide and past papers form important parts of our thorough revision programme.	