

GCSE Resistant Materials Revision plan 2009 – Date of exam 1<sup>st</sup> June 2009

W k	Date	Activity	Homework/Extension work to be completed to support your revision/ improve your chances of achieving target grade.	Keywords	Resources Textbooks Web links Revision Guides Engage Revision
1 D	16 <sup>th</sup> March	TCP period 3 Contents page - Title page - Bibliography Exam Questions			
1 S	20 <sup>th</sup> March	Introduce Exam prep sheet and revision programme - discuss <b>Mind map areas of revision to be covered - discuss.</b>	Find images of a wide variety of recycling bins - create an A3 moodboard with images found - required 23 <sup>rd</sup> March	Environment Recycling Mechanisms Containers	<a href="http://www.homerecycling.co.uk">www.homerecycling.co.uk</a> <a href="http://www.ware4.co.uk">www.ware4.co.uk</a> <a href="http://www.nowrecycle.co.uk">www.nowrecycle.co.uk</a> <a href="http://www.officebins.co.uk">www.officebins.co.uk</a>
2 D	23 <sup>rd</sup> March	<b>Product Analysis - What is it?</b> 1. Group task - analyse class examples 2. Select 3 different images from moodboard - thoroughly analyse each image. Discuss improvements that could be made.  <b>Materials</b> - Identifying a variety of different materials by their description and use.	Complete materials identification started in lesson - 30 <sup>th</sup> March	Purpose Function Target Market Aesthetics Manufacture Materials Environmental issues	Product Analysis ex <a href="http://www.technologystudent.co.uk">www.technologystudent.co.uk</a> Lonsdale Revision Guide: P42- 44 P46-48, P50-51
2 S	27 <sup>th</sup> March	<b>Properties of Materials</b> 1. Material properties - match property & correct description		Strength Elasticity Plasticity	GCSE D&T for AQA Resistant Materials. P44-51

		Using knowledge from previous lesson.		Ductility Malleability Hardness Toughness Durability	
3 D	30th March	<b>Design Requirements/Design Specification</b> Read through & discuss sheets. 1. What other questions should a designer ask? 2. Write own design specification points - select the five most important	Complete three different design ideas for a recycling bin. Due 20 <sup>th</sup> April.		Exam question.
3 S	3rd April	Inset Day - End of Term 4			
4	<b>Easter Hols</b>		Read through the <b>Design and Market influences</b> section & answer the quizzes to test your knowledge.	Cultural Society Health & Safety Legislation Moral Issues Product Analysis Safety for the Consumer	<a href="http://www.engagerevision.co.uk">www.engagerevision.co.uk</a>
5	<b>Easter Hols</b>		Test yourself on the <b>Woods, Metals &amp; Plastics</b> quizzes in the <b>Materials &amp; Components</b>	Manmade Hardwoods Softwoods Ferrous	<a href="http://www.engagerevision.co.uk">www.engagerevision.co.uk</a>

			section.	Non-Ferrous Thermoplastics Thermosetting	
6 D	20 <sup>th</sup> April - Start of Term 5	<b>Manufacturing Processes</b> - Steel pedal bin/HDPE recycling bin - complete the tasks on the sheets.	Evaluate & Plan Construction of your chosen design using HW set 30 <sup>th</sup> March - exam question. Due 27 <sup>th</sup> March	Strong Hard wearing Rust Pigmented Recyclable	<a href="http://www.technologystudent.co.uk">www.technologystudent.co.uk</a>
6 S	24 <sup>th</sup> April	<b>Mechanisms</b> - compare the two mechanisms, complete exam question.		Levers	<a href="http://www.technologystudent.co.uk">www.technologystudent.co.uk</a>
7 D	27 <sup>th</sup> April	<b>Ergonomic Considerations</b> - complete the tasks. <b>Vinyl cutters</b> - Demonstration. Discuss		Input Process Output	<a href="http://www.technologystudent.co.uk">www.technologystudent.co.uk</a>
7 S	1 <sup>st</sup> May	<b>CAD/CAM</b> 1. Using CAD when designing 2. What is CAM? 3. Advantages & Disadvantages of CAM	Read through the info on <b>bending metal, blow moulding &amp; injection moulding in Materials &amp; Components</b> & complete the quizzes.		<a href="http://www.engagerevision.co.uk">www.engagerevision.co.uk</a> GCSE D&T for AQA Resistant P108-113 Materials pupil task sheets
8 D	4 <sup>th</sup> May	<b>Bank Holiday</b>			
8 S	8 <sup>th</sup> May	<b>Tools &amp; Processes</b> - Correctly identify tools and the process in which they are used.	Complete quiz on <b>Selecting Materials - Mechanical Properties</b> section		<a href="http://www.engagerevision.co.uk">www.engagerevision.co.uk</a>
9 D	11 <sup>th</sup> May	<b>Awards Day</b>			

9 S	15 <sup>th</sup> May	<b>Finishing &amp; Finishes -</b> What can be applied to protect your products function & maintenance?		Abrasives Applied Finishes Self Finished	GCSE D&T for AQA Resistant Materials P104-105
10 D	18 <sup>th</sup> May	<b>NB: Mon am maths &amp; English revision sessions</b> <b>Environmental issues in Design -</b> The Environmental issues that affect the design, manufacture and disposal of products.		Disposal Responsibility Damage Sustainable Renewable Biodegradable	Exam Questions GCSE D&T for AQA Resistant Materials P36-37
10 S	22 <sup>nd</sup> May	Last check through of revision folder, read through notes. Exam prep and check - make sure you have everything you need. Last minute questions. GOOD LUCK!			