



# REVISION GUIDE

## GCSE Product Design Mock.

December 2017

Mr. Hayes

# GCSE Product Design Revision Checklist 2017.

<u>Section A:</u> <u>Designing Question 1</u>	<u>Questions</u>
Question 1 is about Designing	<p>a) You will have to write some basic Design Criteria for a 'product'?</p> <p>b) You will design the product</p> <p>c) You will evaluate the product</p> <p>The theme this year will be: 'A children's day nursery is a safe and interesting place of play and learning for pre-school children.'</p>
<u>Section B</u> <u>Question 2</u>	<u>Questions</u>
Question 2 is about 'Materials and finishing'.	<p>Paper and card being a focus here.</p> <p>Pay special attention to 'Paper and Card' on p32+33 Revision Guide.</p> <p><b><u>*you must remember:</u></b> <b><u>That 'part a)' of a Question usually requires you to use recall and memory to show you know the definition of a key word. Then, 'part b)' usually requires you to apply this knowledge to an unfamiliar situation usually from a photograph*</u></b></p>
<u>Question 3</u>	<u>Questions</u>
Question 3 is about 'Safety'.  Pages 62+63 Revision Guide.	<p>What is a Risk Assessment? What does Risk Assessment mean?</p> <p><a href="http://www.technologystudent.com/prddes1/healthandsaf1.html">http://www.technologystudent.com/prddes1/healthandsaf1.html</a></p> <p>Can you explain what the following terms mean and how they relate to working in a school workshop or a factory?</p> <p>Hazard Level of Risk Control Measure</p> <p><b><u>*you must remember:</u></b> <b><u>That 'part a)' of a Question usually requires you to use recall and memory to show you know the definition of a key word. Then, 'part b)' usually requires you to apply this knowledge to an unfamiliar situation usually from a photograph*</u></b></p>
<u>Question 4</u>	<u>Questions</u>
Question 4 is about 'Environmental and sustainability issues'.	<p>You need to know:</p> <p>Key words and their definitions:</p> <p>Renewable, Recyclable, Finite, Sustainable, Biodegradable Built in obsolescence/Planned obsolescence</p>

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<p>Revision Guide: p66-69</p>	<p>Carbon footprint, Product miles The 6Rs Social responsibility – Fairtrade</p> <p>You need to demonstrate your knowledge of materials and their ‘eco-friendly’ properties <u>or non-</u>‘eco-friendly’ properties.</p> <p>You will have to apply this knowledge to unfamiliar situations – usually a photograph of a product or environment.</p> <p><b><i>*you must remember:</i></b> <b><i>That ‘part a)’ of a Question usually requires you to use recall and memory to show you know the definition of a key word. Then, ‘part b)’ usually requires you to apply this knowledge to an unfamiliar situation usually from a photograph*</i></b></p>
<b>Question 5</b>	<b>Questions</b>
<p>Question 5 is about ‘Methods of production, manufacturing and marketing’.</p>	<p><b><u>Please read this Question from start to finish before you commit.</u></b></p> <p>You need to know your ‘Scales of Production. Pages 76+77 Revision Guide. I can explain the terms: Continuous Production Batch Production One-off Production Just in Time</p> <p><a href="http://www.technologystudent.com/joints/scalep1.htm">http://www.technologystudent.com/joints/scalep1.htm</a> <a href="http://www.technologystudent.com/prddes1/prddex1.html">http://www.technologystudent.com/prddes1/prddex1.html</a> <a href="http://www.technologystudent.com/prddes1/justintime1.html">http://www.technologystudent.com/prddes1/justintime1.html</a></p> <p>Computer Aided Design - CAD. Computer Aided Manufacture - CAM.</p> <p><a href="http://www.technologystudent.com/despro_fish/revise12.html">http://www.technologystudent.com/despro_fish/revise12.html</a></p> <p>You need to be familiar with printing methods on this question: Card and Paper Manufacture: Describe how paper and card is manufactured from log to end product. What methods does a manufacturer use across the making cycle?</p> <p>Watch these clips: <a href="http://www.technologystudent.com/despro2/crdpap1.htm">http://www.technologystudent.com/despro2/crdpap1.htm</a> <a href="https://www.youtube.com/watch?v=7IP0Ch1Va44">https://www.youtube.com/watch?v=7IP0Ch1Va44</a></p> <p>Printing Techniques and Finishes: Screen printing Laminating Flexography Embossing Dye sublimation</p>

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	<p>Block Printing</p> <p><a href="http://www.technologystudent.com/designpro/prtpro4.htm">http://www.technologystudent.com/designpro/prtpro4.htm</a>  <a href="http://www.technologystudent.com/despro2/prneff3.htm">http://www.technologystudent.com/despro2/prneff3.htm</a>  <a href="http://www.technologystudent.com/despro2/prneff4.htm">http://www.technologystudent.com/despro2/prneff4.htm</a>  <a href="http://www.technologystudent.com/prddes1/printpros1.html">http://www.technologystudent.com/prddes1/printpros1.html</a>  <a href="https://www.youtube.com/watch?v=QJwUExBPkr5">https://www.youtube.com/watch?v=QJwUExBPkr5</a>  <a href="https://www.youtube.com/watch?v=-5lehK9NT4">https://www.youtube.com/watch?v=-5lehK9NT4</a></p> <p><b><i>*you must remember:</i></b>  <b><i>That 'part a)' of a Question usually requires you to use recall and memory to show you know the definition of a key word. Then, 'part b)' usually requires you to apply this knowledge to an unfamiliar situation usually from a photograph*</i></b></p>
<b><u>Question 6</u></b>	<b><u>Questions</u></b>
<p>Question 6 is about is about 'Human factors and inclusive design'.</p> <p>Revision Guide: p4-6</p>	<p>You need to know:  Key words and their definitions:</p> <p>Disabled users – inclusive Design  Anthropometrics - definitions  Ergonomics – definitions  Percentiles – what are they?</p> <p>You will have to apply this knowledge to unfamiliar situations – usually a photograph of a product or environment.</p> <p><b><i>*you must remember:</i></b>  <b><i>That 'part a)' of a Question usually requires you to use recall and memory to show you know the definition of a key word. Then, 'part b)' usually requires you to apply this knowledge to an unfamiliar situation usually from a photograph*</i></b></p>
<b><u>Revision Websites</u></b>	
<p><a href="http://www.technologystudent.com/">http://www.technologystudent.com/</a></p>	