

Year 11: ASK Yourself!

Subject: Design and Technology - Resistant Materials

Unit: Major Project –Section 2

Development of Design Proposals [including modelling]

	Launching 4	Developing 3	Progressing 2	Mastering 1
 skills				
Learn to produce designs for a wider range of design solutions.	I have found it hard to produce a number of design ideas. I now need to try to show I can think laterally by trying to fill my pages with more design ideas.	I have pages showing a number of design solutions drawn in 3 dimensions, with notes. I need to fill up pages and add borders, colour and notes.	I have bordered pages showing a good range of innovative design solutions drawn in 3 dimensions, with notes and colour.	I have neat bordered pages showing a wide range of innovative design solutions drawn in 3 dimensions, with notes and colour.
Learn to make a range of models to explore the three dimensional nature of my design ideas and use them to develop a final prototype concept.	I have not yet produced evidence in the form of: [a] my initial model solution [b].further model developments. [c] A high quality full scale working final model prototype from which dimensions can be taken.	I have evidence photographs of [a] my initial model solution but now need to produce: [b].further model developments. [c] A high quality full scale working final model prototype from which dimensions can be taken.	I have evidence photographs of [a] my initial model solution [b].further model developments. [c] I now need a full scale working final model prototype from which dimensions can be taken.	I have evidence photographs of [a] my initial model solution [b].further model developments. [c] A high quality full scale working final model prototype from which dimensions can be taken.
Learn to use Computer Aided Design to 'model' my final design outcome.	I have not yet produced: A page or pages showing my final design solution, drawn using Computer Aided Design. And possibly pages showing some of my initial design ideas drawn using CAD.	I have in a basic way produced a page showing my final design solution, drawn using Computer Aided Design. However, it is not fully complete and now needs finishing.	I have a page or pages showing my final design solution, drawn using Computer Aided Design. And possibly pages showing some of my initial design ideas drawn using CAD.	I have excellent pages showing my final design solution, drawn using Computer Aided Design. And pages showing some of my initial design ideas drawn using CAD.
 knowledge				

<p>Learn to produce a fully detailed and justified product specification taking full account of the analysis I have undertaken.</p>	<p>I have not yet got a clear understanding of [a] The target market that my product will be aimed at. [b] A clear client outline and their situation. [c] A clear personal brief. [d] A specification with 8 to 10 points, each of which are justified and their relevance explained. I need to produce this work to gain essential marks.</p>	<p>I have a limited understanding of [a] The target market that my product will be aimed at. [b] A clear client outline and their situation. [c] A clear personal brief. [d] A specification with 8 to 10 points, each of which are justified and their relevance explained. I have a page that is started but could be better presented and made more visually interesting.</p>	<p>I have a page that states: [a] The target market that my product will be aimed at. [b] A clear client outline and their situation. [c] A clear personal brief. [d] A specification with 8 to 10 points, each of which are justified and their relevance explained. I could now make it more visually interesting.</p>	<p>I have a page that is well presented and visually interesting, that States: [a] The target market that my product will be aimed at. [b] A clear client outline and their situation. [c] A clear personal brief. [d] A specification with 8 to 10 points, each of which are justified and their relevance explained.</p>
<p>Understand and apply 'the design process' and apply its principles to produce a suitable solution to my design situation, brief and specification, that will meet my clients needs. I also undertake any necessary further research.</p>	<p>I have limited evidence of having explored: [a] social [b] moral [d] Environmental issues. [e] Form & Function. [f]I have collected any further relevant research. [g]Shown materials and joints [h] Shown that I have produced a flow diagram to show the manufacturing sequence for my product outcome. I now need to try to do this by developing a wide range of design drawings and models.</p>	<p>I have shown in a basic way on my design pages that I have explored some of the following areas: [a] social [b] moral [d] Environmental issues. [e] Form & Function. [f]I have collected any further relevant research. [g]Shown materials and joints [h] Shown that I have produced a flow diagram to show the manufacturing sequence for my product outcome.</p>	<p>I have started to generate pages that I have explored: [a] social [b] moral [d] Environmental issues. [e] Form & Function. [f]I have collected any further relevant research. [g]Shown materials and joints [h] Shown that I have produced a flow diagram to show the manufacturing sequence for my product outcome. I need to ensure I have covered all of this knowledge content in my design folio.</p>	<p>I have shown on my design pages that I have explored: [a] social [b] moral [d] Environmental issues. [e] Form & Function. [f]I have collected any further relevant research. [g]Shown materials and joints [h] Shown that I have produced a flow diagram to show the manufacturing sequence for my product outcome.</p>