

Candidate Style Answers

GCSE Design & Technology: Resistant Materials

OCR GCSE in Resistant Materials: J306

Unit: A562

These candidate style answers are designed to accompany the OCR GCSE Resistant Materials specification for teaching from September 2009.

GCSE Design & Technology:

Resistant Materials

Unit A562 Sustainable Design

OCR has produced these candidate style answers to support teachers in interpreting the assessment criteria for the new GCSE specifications and to bridge the gap between new specification release and availability of exemplar candidate work.

This content has been produced by senior OCR examiners, with the support of the Qualification Manager, to illustrate how the sample assessment questions might be answered and provide some commentary on what factors contribute to an overall grading. The candidate style answers are not written in a way that is intended to replicate student work but to demonstrate what a “good” or “excellent” response might include, supported by examiner commentary and conclusions.

As these responses have not been through full moderation and do not replicate student work, they have not been graded and are instead, banded “medium” or “high” to give an indication of the level of each response.

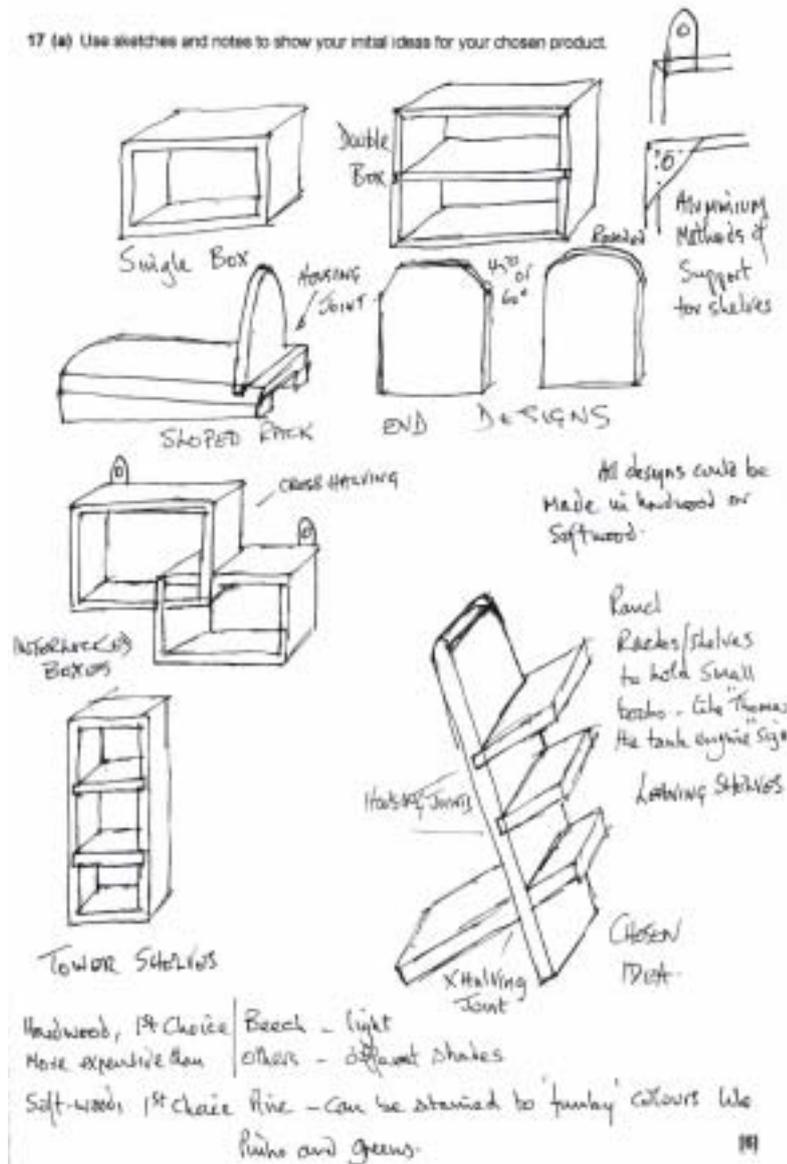
Please note that this resource is provided for advice and guidance only and does not in any way constitute an indication of grade boundaries or endorsed answers.

17a) Use sketches and notes to show your initial ideas for your chosen product. (6)

Candidate style answer

Examiner's commentary

17 (a) Use sketches and notes to show your initial ideas for your chosen product.



High level answer

The candidate has produced a range of different solutions based on the development of the shelf. The various drawings/sketches have been identified and the material (wood-hard or soft) indicated with some description of the material. Most of the sketches have been annotated. Some ideas are traditional; but the chosen idea is somewhat more creative and the reference to the colour stains in the annotation is modern.

17b) Use notes and sketches to develop one of your initial ideas.

(5)

Candidate style answer	Examiner's commentary
<p>(b) Use notes and sketches to develop one of your initial ideas</p>	<p>High level answer</p> <p>The ideas and annotation refers to at least three specifications. The candidate has given both a front and rear view. The correct technique for construction has been given and appropriate tools for the construction of the two types of joints have been indicated. The candidate has indicated possible colours for softwood stains and suitable finishes got both wood possibilities. An indication of the cost of producing the artefact has been shown. Reference has also been made to the product focus and design need.</p>

17c) With reference to the 6Rs select and describe two ways in which your product could address two of these issues.

(4)

Candidate style answer	Examiner's commentary
<ol style="list-style-type: none"> 1) When the unit is no longer used by the child it could be <u>re-used</u> by given to a younger brother/sister or given to a jumble sale or shop (second hand). 2) The material (wood) should come from sustainable forests and as it is natural material the construction will not cause as much <u>wastage</u> of raw materials as making it in plastic mould - it will reduce the carbon footprint for the product as well as the amount of material used. 	<p>High level answer</p> <p>The candidate has chosen two of the six "R's" as required by the question.</p> <p>RE-USE Reference is made to tow appropriate ways in which this issue might be addressed. By giving to someone else to use and by donating to outlets for second hand use.</p> <p>REDUCE A number of ways of reduction are given. Reference to sustainable forests for the supply of timber; the reduction in the waste of raw materials is compared. The candidate also makes reference to the present issue of the carbon footprint.</p>

