

# Candidate Style Answers

## **GCSE Design and Technology: Graphics**

OCR GCSE in Graphics: J303

Unit: A534

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

# GCSE Design and Technology: Graphics

## Unit A534 The Technical Aspects of Designing and Making

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.

<b>3c) Discuss how the production of this printed ticket could take into account environmental issues. (5)</b>	
<i>Candidate style answer</i>	<i>Examiner's commentary</i>
<p><i>The tickets for the games will be printed in a factory. You will need lots of tickets for the games so you could end up with lots of waste.</i></p> <p><i>The tickets might be thrown around the place and people need to be encouraged to put them in the bin. You could put a recycling symbol or logo on the tickets to tell people to put them in the bin.</i></p> <p><i>You could also make the tickets smaller. If you make the tickets smaller you will use less material. It will be better for the environment if you use less paper because you need to cut down trees to make paper.</i></p>	<p><b>Medium level response</b></p> <p>Adequate discussion, showing some understanding of environmental issues.</p> <p>There is some use of specialist terms, such as printed and recycling.</p> <p>The information is presented for the most part in a structured format.</p> <p>There are occasional errors in spelling, grammar and punctuation</p> <p>There is insufficient understanding of the environmental issues to justify a high mark.</p>

**3c) Discuss how the production of this printed ticket could take into account environmental issues. (5)**

Candidate style answer	Examiner's commentary
<p><i>A large number of tickets will be required for the Olympics so they will be printed by a process called lithography. The tickets will be printed on paper. The following things could be done to make the production of the tickets more environmentally friendly:</i></p> <p><b><i>Use recycled paper</i></b>  <i>It would be better to use recycled paper for the tickets. This is more environmentally friendly because the paper has been used for something before and it will save cutting down more trees. You will have to be careful to make sure the tickets still look good quality.</i></p> <p><b><i>Change the shape</i></b>  <i>The ticket shape will not fit together closely on a sheet of paper and there will be a lot of waste material. Waste will be a problem to the manufacturer as they will have to recycle it in some way. It would be better to have a rectangular ticket because this would create less waste (it can tessellate).</i></p> <p><b><i>Save energy in production</i></b>  <i>It will be better if the tickets are produced in environmentally friendly factories that are energy efficient and do not use harmful chemicals, such as CFC's. It would also be better if the factories ran on solar power.</i></p>	<p><b>High level response</b></p> <p>Thorough discussion, showing detailed understanding of the environmental issues.</p> <p>Specialist terms, such as lithography and CFC's, used appropriately and correctly.</p> <p>The information is presented in a structured format (sentences, paragraphs and sub-headings).</p> <p>The candidate has demonstrated accurate use of spelling, punctuation and grammar.</p> <p>This is a response that shows a good appreciation of environmental issues.</p>

## Mark scheme

**3c) Discuss how the production of this printed ticket could take into account environmental issues.**

### **Level 1 (0-2 marks)**

Basic discussion, showing limited understanding of environmental issues to consider. There will be little or no use of specialist terms. Answers may be ambiguous or disorganised. Errors of grammar, punctuation and spelling may be intrusive.

### **Level 2 (3-4 marks)**

Adequate discussion, showing some understanding of the environmental issues to consider and how they can take account of them. There will be some use of specialist terms, although these may not always be used appropriately. The information will be presented for the most part in a structured format. There may be occasional errors in spelling, grammar and punctuation

### **Level 3 (5 marks)**

Thorough discussion, showing detailed understanding of the environmental issues to consider and how they can take account of them. Specialist terms will be used appropriately and correctly. The information will be presented in a structured format. The candidate can demonstrate the accurate use of spelling, punctuation and grammar.

Discussion could include:

- More complex shape that creates waste material that the manufacturer has to dispose of waste
- Shapes that tessellate
- How the ticket is printed
- Nature of the chemicals used in the print process
- Material produced from
- Shape has been simplified using **only** vertical and horizontal lines