

GCSE Engineering (Double Award) 3870/1  
*Unit 1: Design and Graphical Communication*

Centre name: .....

Centre no:

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Candidate name: .....

Candidate no:

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*This side is to be completed by the candidate*

Sources of advice and information

1. Have you received any help or information from anyone other than your subject teacher(s) in the production of this work? (Write YES or NO) .....
2. If you have answered YES, give details below. Continue on a separate sheet if necessary.  
.....
3. If you have used any books, information leaflets or other materials (e.g. videos, software packages or information from the Internet) to help you complete this work, you must list these below, unless they are clearly acknowledged in the work itself. To present material copied from books or other sources without acknowledgement will be regarded as deliberate deception.  
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**NOTICE TO CANDIDATE**

The work you submit for assessment must be your own.

If you copy from someone else or allow another candidate to copy from you, or if you cheat in any other way, you may be disqualified from at least the subject concerned.

**Declaration by candidate**

I have read and understood the Notice to Candidate (above). I have produced the attached work without assistance other than that which is acceptable under the scheme of assessment.

As part of AQA's commitment to assist students, AQA may make your coursework available on a strictly anonymous basis to teachers, examining staff and students in paper form or electronically, through the Internet or other means, for the purpose of indicating a typical mark or for other educational purposes. In the unlikely event that your coursework is made available for the purposes stated above, you may object to this at any time and we will remove the work on reasonable notice. If you have any concerns, please contact [crf@aqa.org.uk](mailto:crf@aqa.org.uk)

Candidate's Signature: .....

Date: .....

*This form should be completed on each occasion the candidate submits work for assessment.*

*It should be attached to the candidate's work and retained at the Centre or sent to the moderator as required*  
PTO

**This side is to be completed by the teacher**

Marks must be awarded in accordance with the instructions and criteria in the specification.

Supporting information to show how the marks have been awarded should be given on the Candidate Record Form.

Please complete the table opposite to show the marks awarded and add any summative comments which seem appropriate in the space below.

**Concluding Comments:**

**Details of additional assistance given (if any)**

Record here details of any assistance given to this candidate which is beyond that given to the class as a whole and beyond that described in the specification. Continue on a separate sheet if necessary.

**Declaration by teacher**

I confirm that the candidate's work was conducted under the conditions laid out by the specification.

I have authenticated the candidate's work and am satisfied that to the best of my knowledge the work produced is solely that of the candidate.

Teacher's signature: .....

Date: .....

The assessment evidence grid for the Unit is reproduced below from Section 8.3 of the specification. This gives details of what the candidate should provide as evidence. Complete page references and the mark given on the grid below.

Mark Band 1 At this level candidates have	Page Mark	Mark Band 2 At this level candidates have	Page Mark	Mark Band 3 At this level candidates have	Page Mark
(a) produced a brief analysis identifying some features of the design brief to produce a design specification.		produced a more detailed analysis identifying most of the key features and client requirements.		produced a detailed analysis explaining the client's requirements and justifying the key features.	
(b) generated and evaluated a basic design idea and developed a simple design solution. There is some sign of modification.		Generated and evaluated alternative design ideas with evidence of testing and modifications to produce a final design solution.		Generated and evaluated a range of alternative design ideas. There is detailed evidence of testing and modifications to produce a final design solution.	
(c) used a limited range of engineering drawings/diagram. They may not be drawn to sector-specific standards and conventions.		used a range of engineering drawings/diagrams. There is some evidence that they have used sector-specific standards and conventions. It is clear from the drawings that the ideas are workable.		used a range of detailed engineering drawings/diagrams that comply with sector-specific standards and conventions. The ideas are workable and the drawings/diagrams are annotated appropriately.	
(d) demonstrated limited evidence of testing against the design brief and specification.		demonstrated testing against the design brief and specification in order to select their final design.		demonstrated testing against the design brief and specification, using appropriate scientific principles and modelling, to select their final design.	
(e) shown some reasoning and have used basic or inappropriate terminology. They were unable to respond to feedback or modify their proposed solution.		explained the reasons for their choice using appropriate technical language. The final solution matches the main design criteria. Candidates have responded to client feedback and modified their proposed solution if necessary.		explained in detail the reasons for their choice using correct engineering and technical language. The final design solution matches the design criteria. Candidates have responded to client feedback and are able to propose modifications to the specification.	

Total Unit 1 Mark  
(max 45)

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