

Examiners' Report/  
Principal Examiner Feedback

Summer 2013

Principal Learning

Engineering  
EG101 Paper 01

Introducing the Engineering World

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## **Unit EG101\_01**

### **Introducing the Engineering World**

Students performed in a similar manner to those who entered for both the January and June 2012 series; as a result, there were again clear patterns in achievement, especially when considering students around the A/A\* (at Level 1) boundary. Students must have a basic knowledge of engineering sectors, job roles, materials, processes (and their possible applications) and environmental factors/energy use, in order to gain a high mark in this unit. Aspects of such knowledge are also fundamental to the Level 1 Principal Learning as a whole, and hence centres/consortia must ensure students have assimilated such information very early in the course.

In this series, students attaining a grade B were expected to be able to answer, correctly, questions 1, 2, 4, 6, 10, 11, 14, 17, 19, 21a, 21b, 22a, 22b, 23a, 23b, 25a, 25b, 27a, and 28a. The questions that students around this boundary were expected to be able to answer primarily centred on aspects of Learning Outcomes 1 and 2, and they mainly tested students' knowledge of engineering sectors and materials.

Further, students attaining a grade A\* were expected to be able to answer, correctly, all of the questions on the paper except 3, 8, 21c, 29c and 30b. The aforementioned tested more specific knowledge, and they tended to be questions: a) centred on aspects of Learning Outcomes 2 or 3; b) associated with environmental factors/energy use; or c) where at least 2 of the incorrect [multiple choice] answers were strong distracters.

In future series, centres/consortia may again wish to focus on the application, as well as the acquisition, of knowledge, when delivering the unit teaching and learning, in order to assist students in attaining a higher grade. The more challenging questions on this paper require a competent understanding of the topic or area being addressed.

## **Grade Boundaries**

Grade boundaries for this, and all other papers, can be found on the website on this link:

<http://www.edexcel.com/iwantto/Pages/grade-boundaries.aspx>

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