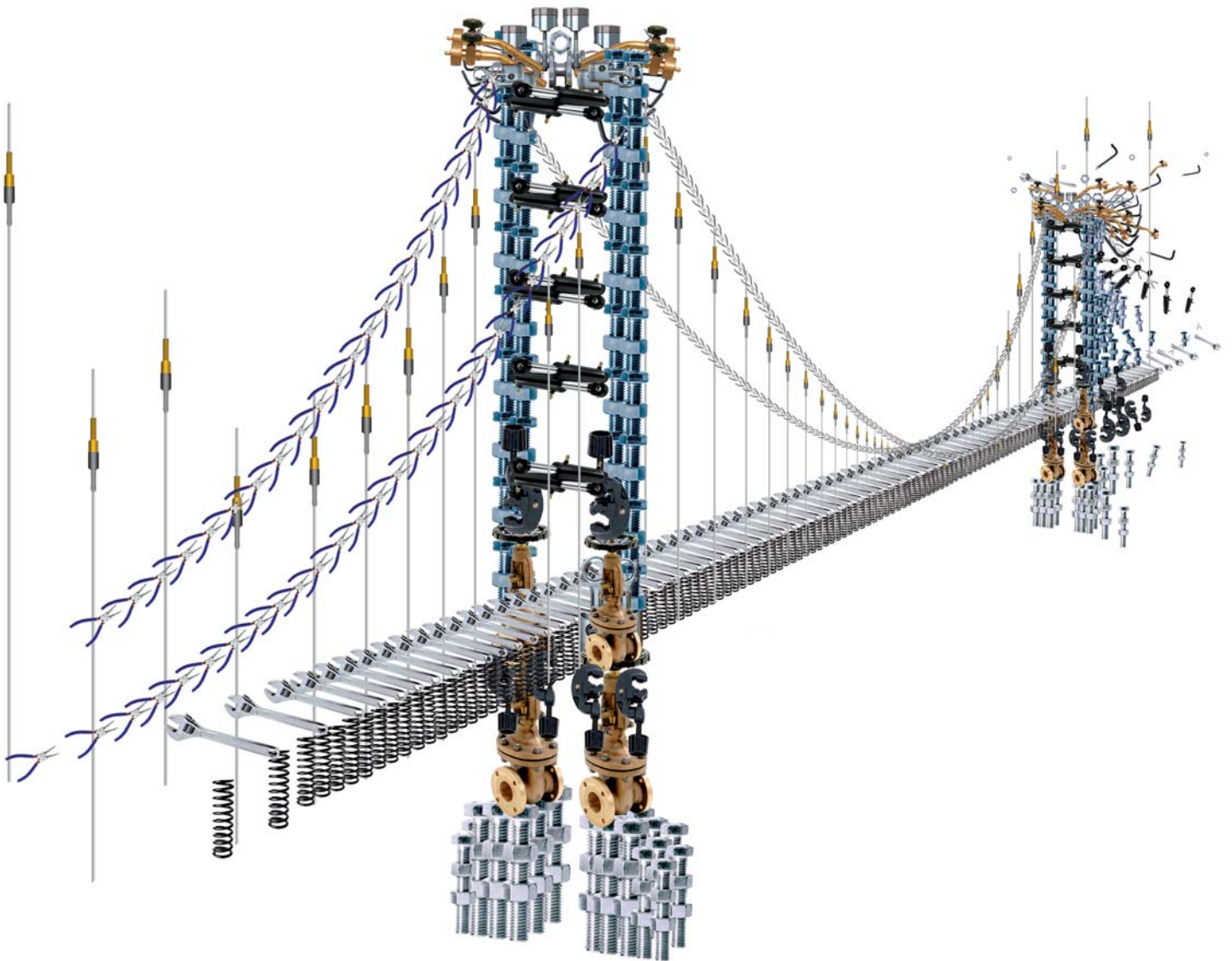


# SAMPLE INTERNALLY ASSESSED UNIT COMMENTARY

## UNIT 2 - ENGINEERING DESIGN





## **Diploma – Principal Learning Engineering**

### **Level 2 / Unit 2 Engineering design (ENG2U2)**

#### **Sample Internally Assessed Unit Commentary**

*Please note that the following internal tasks, responses and examiner commentary are provided as examples only for the purpose of assisting teachers delivering Diploma Principal Learning. A direct relationship between the marks/commentaries and a unit grade cannot be made at this stage, since grade boundaries will be determined at the award meetings at the end of each series.*

## **ENGINEERING DIPLOMA SAMPLE ASSESSMENT TASKS MODERATION ASSESSMENT EXERCISE OCTOBER 2008**

In moderation remember that we look to agree with centres as much as possible and to give credit for meeting the assessment criteria and evidence requirements at any point in the work being viewed. We have a 'Holistic best fit' approach to the assessment criteria. Judgements made must always consider the recommended times given in the specification for assessment. It is not essential to meet all bullet points in a mark band for a mark in that band to be awarded.

### **HIGHER**

**LEVEL 2 UNIT 2 Engineering Design (ENG2U2) 15 hour task.**

**Four Evidence requirements and three Assessment criteria topics.**

### **MOBILE PHONE DESIGN TASK**

The research plan consists mainly of existing product analysis and addresses EV1 and AC1. The product specification covers function, materials, aesthetics, safety, ergonomics, economics, and manufacturing method. This addresses EV1 and AC1. Three different Prodesktop designs are produced (3D modelled). Design evaluation is rather shallow caused by not using the product specification fully. However, modifications are mentioned. There are third angle drawings of the final design showing "engineering drawings to meet product specification" and "engineering designs using standards and conventions" This addresses EV2&3 and AC2&3. The final evaluation is shallow but does address EV4 and AC2.

**Assessment Criteria One:** A detailed specification is produced including dismantling phones and a mention of manufacturing methods. This meets band two and puts it just in band three.

**9 marks awarded for Plan and produce a product specification.**

**Assessment Criteria Two:** The work fits most of band two and a little of band three "several viable ideas". The work is placed towards the top of band two.

**14 marks awarded for Produce engineering drawings to a specification.**

**Assessment Criteria Three:** The work fits all band two and a little of band three "drawings that meet the quality standards" The work is placed just in band three.

**9 marks awarded for Presentation of engineering designs using drawing standards and conventions.**

**Final Total mark 32 out of 48**