



# Diploma in Engineering Level 2

OCR Diploma H810 Level 2 Principal Learning in Engineering Unit F549  
Unit Recording Sheet

Please read the instructions printed at the end of this form. **One** of these sheets, suitably completed, should be attached to the assessed work of **each** candidate.

<b>Unit Title</b>	<b>Engineering design</b>	<b>Unit Code</b>	<b>F549</b>	<b>Session</b>	Jan / June	<b>Year</b>	<b>2</b>	<b>0</b>		
<b>Centre Name</b>						<b>Centre Number</b>				
<b>Candidate Name</b>						<b>Candidate Number</b>				

Marking Criteria – total marks for this unit is 60						Teacher Comment	Page
Ref	Band 1	Band 2	Band 3			Mark	
1.1 1.2	Gives a description of the function of the engineered product, how it is used and manufactured          <b>[0 1 2 3]</b>	Gives a description of the function of the engineered product, presents an analysis of the strengths and weaknesses of the product and similar products Has considered the needs of the user and how the product is manufactured          <b>[4 5 6]</b>	Gives a detailed description of the function of the engineered product, presents an analysis of the strengths and weaknesses of the product in comparison to a range of similar products and identifies key criteria used in its design Has considered the needs of the user and how the product is manufactured          <b>[7 8 9]</b>				
2.1	Demonstrates a basic understanding of legislation relevant to the selected product          <b>[0 1 2]</b>	Demonstrates limited understanding of standards and legislation relevant to the selected product          <b>[3 4]</b>	Demonstrates detailed understanding of the implications of standards and legislation relevant to the selected product          <b>[5 6]</b>				
3.1	Presents a basic brief with little reference to possible improvements          <b>[0 1 2]</b>	Identifies a possible improvement and produces a design brief for the improved product          <b>[3 4]</b>	Clearly identifies an improvement and produces a detailed design brief for the improved product          <b>[5 6]</b>				
3.1	Produces a basic specification showing little objective analysis of the original product          <b>[0 1 2]</b>	Produces a limited specification covering a range of issues, justification is based on an objective analysis of the original product          <b>[3 4]</b>	Produces a detailed and justified specification from the objective analysis of the original product          <b>[5 6]</b>				

Marking Criteria – total marks for this unit is 60					Teacher Comment	Page
Ref	Band 1	Band 2	Band 3			
4.1	Uses an appropriate form of communication          <b>[0 1 2]</b>	Selects the most appropriate forms of communication          <b>[3 4]</b>	Independently selects the most appropriate forms of communication          <b>[5 6]</b>		Mark	
4.1	Uses basic presentation styles and techniques to communicate the improvements          <b>[0 1 2 3]</b>	Uses a limited range of presentation styles and techniques to communicate the design alternatives and improvements          <b>[4 5 6]</b>	Uses a wide range of presentation styles and techniques to communicate the design alternatives and improvements          <b>[7 8 9]</b>		Mark	
4.1	Communication is clear          <b>[0 1 2 3]</b>	Communication is clear and accurate          <b>[4 5 6]</b>	Communication consistently exhibits clarity and accuracy          <b>[7 8 9]</b>		Mark	
5.1	Gives basic details of tests undertaken to prove the design with little evidence of measurement Little attempt to provide basic conclusions          <b>[0 1 2 3]</b>	Sets limited success criteria Gives simple details of tests undertaken to prove the design including limited evidence of measurement and mathematical calculation Simple conclusions are drawn          <b>[4 5 6]</b>	Sets success criteria Gives clear details of tests undertaken to prove the design including evidence of accurate measurement, mathematical calculation and calibration Clear conclusions are drawn          <b>[7 8 9]</b>		Mark	
<b>Total/60</b>						
If this work is a re-sit, please tick		Session and Year of previous submission	Jan / June	<b>2 0</b>	Please tick to indicate this work has been standardised internally	

Please note: This form may be updated on an annual basis. The current version of this form will be available on the OCR website ([www.ocr.org.uk](http://www.ocr.org.uk)). Please complete one *Centre Authentication Form* (CCS160) for each unit and forward to the moderator with your sample.

### Guidance on Completion of this Form

- 1 **One** sheet should be used for each candidate.
- 2 Please ensure that the appropriate boxes at the top of the form are completed.
- 3 Please enter *specific* page numbers where evidence can be found in the portfolio, and where possible, indicate to which part of the text in the mark band the evidence relates.
- 4 Circle the mark awarded for each strand of the marking criteria in the appropriate box and enter the circled mark in the final column.
- 5 Add the marks for the strands together to give a total out of 60. Enter this total in the relevant box.