OCR
Oxford Cambridge and RSA

Diploma in Engineering Level 2

OCR Diploma H810 Level 2 Principal Learning in Engineering Unit F552

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.

Unit Title	**Construct electronic and electrical systems**	**Unit Code**	**F552**	**Session**	Jan / June	**Year**	**2**	**0**		
Centre Name					**Centre Number**					
Candidate Name					**Candidate Number**					

Marking Criteria – total marks for this unit is 30				**Teacher Comment**	**Page**
Ref	**Band 1**	**Band 2**	**Band 3**		
1.1 1.2	Stated the basic electronic and electrical principles; worked in a safe manner **[0 1 2]**	Described the basic electronic and electrical principles; considered the safety of others **[3 4]**	Accurately applied electronic and electric principles; has demonstrated a good understanding of safe working procedures **[5 6]**	**Mark**	
2.1 2.2 2.3	Outlined the operating principles of a range of electronic and electrical components **[0 1 2]**	Described the operating principles of a range of electronic and electrical components **[3 4]**	Successfully applied the operating principles of a range of electronic and electrical components **[5 6]**	**Mark**	
3.1	Considered and suggested different electronic and electrical circuit arrangements **[0 1 2 3 4]**	Explained the reasons for selection of electronic and electrical circuit arrangements **[5 6 7 8]**	Designed and successfully prototyped electronic and electric circuits **[9 10 11 12]**	**Mark**	

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4.1	Identified appropriate testing method for testing electronic and electric circuits; used simple calculations to predict circuit test data **[0 1 2]**	Carried out testing of electronic and electrical circuits and recorded data findings; used complex calculations to predict circuit test data – voltage current **[3 4]**	Used test results to prove operation or identify circuit modifications to enable correct operation; used and tested complex calculations to prove the use of alternative components or circuit change based on the data findings **[5 6]**	**Mark**	
				Total/30	

If this work is a re-sit, please tick		Session and Year of previous submission	Jan / June	2	0			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).

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 30. Enter this total in the relevant box.