

Name:

Group:

R039 Communicating Designs

To be able to add:	Yes / No
Isometric sketches / 2-point drawing / 2D sketches	
Tone, shade and texture / colour	
Annotation to explain the brief	
How it meets the specification with reasons	
A final design with annotation and labelling	
A final design with shade, tone and texture	
A final design showing all points of the specification and key features	
A final design showing different options	
An engineering drawing with a title block (orthographic drawing)	
An engineering drawing showing measurements and scale	
An engineering drawing with labelled front, plan and side	
An engineering drawing showing hidden lines, centre lines and construction lines	
An assembly drawing showing multiple parts (in isometric)	
A Solidworks drawing in multiple parts	
A Solidworks drawings with rendering	
An assembled product using each part	
A powerpoint evidencing each stage	
A single Powerpoint document on Teams showing all the above (with all scanned documents)	

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R040 Design, Evaluation and Modelling

To be able to add:	Yes / No
An analysis of desk lamps using ACCESS-FM	
An analysis showing strength and weaknesses of each product	
A ranking matrices with results (graphs)	
Primary research (with own photographs)	
Photos taken during disassembly	
A risk assessment before the disassembly	
Photos of all components with annotation	
Gathered information on how the product was made	
Gathered information on the materials	
A Solidworks drawing in multiple parts	
A Solidworks drawings with rendering	
An assembled product using each part – mate tool	
A Powerpoint evidencing each stage	
Create a detailed plan for manufacture	
Include a risk assessment	
Include photos at each stage of the make	
Evidence health and safety	
Evaluate the final prototype against the specification	
Include improvements	
A single Powerpoint document on Teams showing all the above (with all scanned documents)	