DCG 2013 Student Assignment Check List

Output	Description	Tick
1	**Design Research** Examine the brief *Graphically* under the following areas; • Physical form; *general sizes and shapes: link to geometric shapes* • Physical features; *features that involve the user, design, materials, ergonomics etc* • Additional Features; *environmentally friendly, promotion themes* • Are images referenced	☐
2	**Compare and contrast** • Design features of **2 existing objects** using images, primary research and sketches, • Physical form • Physical features • Main Dimensions	☐
3	**Freehand Graphical Representation** • Select one of the artefacts from previous output • Must include rendered freehand sketch/ sketches of the artefact, • Show off the main design features • Must be presentation quality • Must have a 3D sketch • Must submit the original sketches *cannot be scanned or traced*	☐
4	**Solidworks model of artefact *on CD*** • Correct file Structure and files saved to correct location • Part files; *(3 at Ordinary Level, 5 at Higher level)* Sketches Defined, Features of part files renamed • An assembly file; *Open without errors, Assembly file with suitable mating of components* • A Drawing File • An E-Drawing of the Assembly File • Model parts efficiently; *economy of design, design intent*	☐
5	**Working Drawings** • Orthographic Views • Rendered Pictorial • Exploded view of assembly • Presentation; *Any other relevant views, Dimensions, Annotations , Suitable scale, Borders, Tables Etc.*	☐
6	**Photorealistic Representation** • Collage of photorealistic images of the artefact; *Photoview 360 or Photoworks* • Presentation of artefact must be neat	☐
7	**Graphical exploration of design solutions** • Must be Graphical • Must look at the following areas aesthetics, functionality and environmental sustainability. • Include Sketches and images *(referenced)* • Must look at the reasoning for the idea and justify it **Modification** **Concept** • Research the problem • Show where the inspiration came from • Development of modification • Development of concept idea	☐
8	**Presentation of Modification/ Concept Design** • Sketches of Modification or Concept Design • Must include rendered freehand sketch/ sketches of the artefact, • Show off the Modification or the Concept design • Must be presentation quality • Must have a 3D sketch • Must submit the original sketches *cannot be scanned or traced*	☐

9	**Cad Model of Concept or Modification *on CD*** **Drawings**
	• Part, assembly and drawing files • Orthographic Views
	• E- Drawing of Concept or Modification • Rendered Pictorial
	• Files Saved to Correct Location as per File • Photorealistic Presentation of Chosen Design (not
	    Structure. Required at Ordinary Level
	                                                      • Presentation; *Any other relevant views, Dimensions, Annotations , Suitable scale, Borders, Tables Etc.*
		☐