Name				Date				Su 2	Au 1	Au 2	Sp 1	Sp 2	Deadlines
		0	1-2	3-5	6-8	9-10	Mark						
Identifying and investigating design possibilities (AO1)	Identifying opportunities	produced no work that is worthy of a mark.	identified one opportunity for the possible develoment of designs within the prescribed context.	identified some opportunities for the development of designs within the prescribed context.	undertaken a generally effective identification of opportunities for development of designs within the prescribed context.	undertaken a comprehensive and effective identification of opportunities for the development of designs within the prescribed context.							
	Relevant research		undertaken little research and investigation, which is only partially linked to the context.	undertaken research and investigation, generally linked to the context and, where appropriate, the work of past/present professionals and companies.	undertaken relevant research and investigation, linked to the context and, where appropriate, the work of past/present professionals and companies.	undertaken comprehensive, relevant research and investigation, clearly linked to the context and, where appropriate, the work of past/present professionals and companies.							
	User wants/needs and analysis		undertaken a superficial analysis of information, with little or no consideration of the needs, wants and values of potential users.	undertaken a partially effective analysis of information, though the needs, wants and values of potential users may not have not been fully considered.	undertaken a mostly effective analysis of information, reflecting the needs, wants and values of potential users.	undertaken an effective analysis of information, reflecting the needs, wants and values of clients or potential users.							
	Explored possibilities to develop briefs		identified few problems/opportunities which are of little use in the development of possible design briefs.	identified some problems/opportunities which partially inform the development of possible design briefs.	identified a range of problems/opportunities to inform the development of possible design briefs.	identified a range of problems/opportunities to clearly inform the development of possible design briefs.							
						Mark/10							
		0	1-2	3-5	6-8	9-10							
Developing a design brief and specification(AO1)	Considered range of design problems	produced no work that is worthy of a mark.	focussed on a single opportunity to produce a basic design brief.	considered some problems/opportunities before deciding on a final design brief.	considered a range of problems/opportunities before deciding upon a final design brief.	thoroughly considered a range of problems/opportunities in detail before deciding upon a final design brief.							Hand in 21st July 2023
	Understanding of the design task		demonstrated a limited understanding of the task ahead, with little or no consideration of the needs, wants and interests of potential users.	demonstrated a general understanding of the task ahead and one or two requirements have been identified to satisfy some of the needs, wants and interests of potential users.	demonstrated a good understanding of the task ahead and most of the requirements which have to be met, to satisfy most of the needs, wants and interests of potential users.	demonstrated a very good understanding of the task ahead and the requirements which have to be met, to satisfy fully the needs, wants and interests of potential users.							
	Design brief		written a design brief with little or no reference to their research and investigation.	written a satisfactory design brief, based upon some aspects of the analysis of their research and investigation.	written a good design brief, linked to the context, based upon a general analysis of their research and investigation.	written a comprehensive design brief, directly relevant to the context, based upon a thorough analysis of their research and investigation.							
	Design specification		produced a small range of partially appropriate specification points.	written a satisfactory specification, including some key points, to partially inform the design and manufacture of a prototype.	written a relevant specification, including a range of objective and measurable criteria, to inform the design and manufacture of a prototype.	written a comprehensive, relevant specification, including a range of objective and measurable criteria, to direct and inform the design and manufacture of a prototype.							
						Mark/10							
		0	1-7	8-15	16-23	24-30							
Generating and developing design ideas (AO2)	Use of design strategies and iterative design	produced no work that is worthy of a mark.	generated and communicated a limited range of undeveloped initial ideas.	considered some design strategies and techniques and applied an iterative design process to generate and communicate a range of basic initial ideas.	considered a range of design strategies, techniques and approaches and applied an iterative design process to generate and communicate a range of initial ideas which generally reflect requirements.	considered a range of design strategies, techniques and approaches and applied an iterative design process to generate and communicate a range of initial ideas which fully reflect all requirements.							Hand in 3rd November 2023
	Social, Moral, Economic Factors		identified aspects of social, moral or economic factors, though these are not closely related to the context and or potential user(s).	identified social, moral and/or economic factors with some attempt to relate these to the context and potential user(s).	identified and considered social, moral and economic factors which are generally relevant to the context and potential user(s).	identified and considered social, moral and economic factors which are fully relevant to the context and potential user(s).							
	Testing to develop designs		made little or no use of testing to evolve ideas.	made some use of testing to evolve ideas and to refine their design decisions.	clear and generally effective use of testing to evolve ideas and to refine their design decisions.	clear, effective and detailed use of testing to evolve ideas and to refine their design decisions.							
	Fully developed design proposal		developed a proposal, with superficial details of materials, dimensions, finishes and/or production techniques which addresses few requirements of the design brief and/or specification.	developed a proposal, including satisfactory details of materials, dimensions, finishes and/or production techniques, which address the main requirements of the design brief and specification.	developed a proposal, including relevant details of materials, dimensions, finishes and production techniques, which address most requirements of the design brief and specification.	developed a proposal, including comprehensive and relevant details of materials, dimensions, finishes and production techniques, which clearly address all requirements of the design brief and specification.							
	Communication techniques		demonstrated limited ability to communicate their idea(s) to a third party.	demonstrated satisfactory use of skills/techniques to communicate ideas and proposals to a third party.	demonstrated good use of skills/techniques to communicate ideas and proposals to a third party.	demonstrated sophisticated use of skills/techniques to clearly communicate ideas and proposals to a third party.							
						Mark/30							
		0	1-7	8-15	16-23	24-30							
Manufacturing a prototype (AO2)	Planning for manufacture	produced no work that is worthy of a mark.	communicated superficial or no details of a sequence for manufacture and/or testing of their final prototype.	communicated details of a sequence for manufacture and testing of their final prototype.	communicated relevant details of a logical sequence and achievable timeline for the stages of production and testing of their final prototype.	clearly communicated comprehensive and relevant details of a logical sequence and achievable timeline for the stages of production and testing of their final prototype.							Hand in 20th January 2024
	Worked with materials and components		worked with materials and components to partly complete the manufacture of their prototype, generally to a defined schedule.	worked with materials and components to partly complete the manufacture of their prototype, generally to a defined schedule.	worked with appropriate materials and components to complete most aspects of the manufacture their prototype, generally to a defined schedule.	worked with appropriate materials and components to complete all aspects of the manufacture of their prototype to a defined schedule.							
	Produce a high quality prototype		implemented making skills and processes to produce a partially functioning prototype, some aspects of which meet elements of the design specification.	used making skills and processes to produce a satisfactory, functioning prototype that partially meets the requirements of the design specification and is generally fit for purpose.	used appropriate making skills and processes to produce a good quality functioning prototype that generally meets most of the requirements of the design specification and is fit for purpose.	used appropriate making skills and processes to produce a high quality functioning prototype that fully meets all requirements of the design specification and is fit for purpose.							
	Understanding of materials (properties and finishes)		a limited understanding of the working properties and/or performance characteristics of the specified materials.	a satisfactory understanding of the main working properties and performance characteristics of the specified materials and, where appropriate, demonstrated basic consideration of surface treatments/finishes.	a good understanding of the working properties and performance characteristics of the specified materials and, where appropriate, demonstrated consideration of surface treatments/finishes.	an excellent understanding of the working properties and performance characteristics of the specified materials and, where appropriate, demonstrated consideration of surface treatments/finishes.							
	Using tools/ techniques/ processes/ equipment		selected and safely used specialist tools, techniques, processes, equipment and machinery with a limited degree of accuracy, the prototype only just performs or is unable to perform as intended, and meets few aspects of the needs, wants and values of the user.	selected and safely used specialist tools, techniques, processes, equipment and machinery with a fair degree of accuracy and precision, the prototype partially performs as intended and meets some aspects of the user's requirements.	selected and safely used specialist tools, appropriate techniques, processes, equipment and machinery with good accuracy and precision to enable the prototype to perform as intended and generally meet the user's requirements.	selected and safely used specialist tools, appropriate techniques, processes, equipment and machinery with excellent accuracy and precision to enable the prototype to perform as intended and fully meet the user's requirements.							
						Mark/30							
		0	1-5	6-10	11-15	16-20							
Analysing and evaluating design decisions and prototypes (AO3)	Evaluation and testing of ideas	produced no work that is worthy of a mark.	produced a superficial evaluation of their ideas and decisions.	undertaken a satisfactory analysis, evaluation and/or testing of their ideas and decisions whilst applying iterative design processes.	undertaken an objective analysis, evaluation and testing of their ideas and decisions whilst applying iterative design processes.	undertaken a critical, objective analysis, evaluation and testing of their ideas and decisions whilst applying iterative design processes.							Hand in 9th February 2024
	Evaluation and testing of prototype		produced a superficial evaluation of their final prototype.	undertaken a satisfactory analysis, evaluation and/or testing of their final prototype, with partial consideration of the views of potential users.	undertaken an objective analysis, evaluation and testing of the final prototype, with some consideration of the views of potential users.	undertaken a critical and objective evaluation and testing of their final prototype, taking into account the views of potential users.							
	Further development		partially identified how their prototype could be modified.	identified the potential for some further development of their prototype, including suggestions of how modifications could be made.	responded to feedback and identified the potential for further development of their prototype, suggesting how modifications could be made.	responded to feedback and clearly identified the potential for further development of their prototype, with detailed suggestions for how modifications could be made.							
						Mark/20							
						TOTAL MARK/100							