

TEAM NUMBER

Component PROJECT PROPOSAL & PROJECT MANAGEMENT	15 - 13	12 - 10	9 - 7	6 - 4	3 - 1
Identification and exploration of the need	Identifies and provides a detailed exploration of genuine needs and opportunities, justifying final selection for the development of the MDP	Identifies and provides an exploration of needs and opportunities, in relation to the development of the MDP	States a need with some exploration in relation to the development of the MDP	States a need with limited exploration in relation to the development of the MDP	Need stated without clarity, not explored in relation to the development of the MDP
Areas of investigation	Describes relevant areas of investigation which relate clearly to the need, and provides direction for further action	Describes some relevant areas of investigation in relation to the need and provides evidence that these were investigated	Identifies areas of investigation in relation to the need, or shows evidence of being investigated	Lists areas of investigation in relation to the need which may not relate to further action, or shows evidence of areas being investigated	Names an area of investigation
Criteria to evaluate success	Establishes and analyses appropriate criteria to evaluate the success of the PSE	Describes appropriate criteria to evaluate the success of the PSE, with little analysis of these criteria	Briefly describes criteria to evaluate the success of the PSE, with no analysis of these criteria	Briefly describes criteria, some of which may be inappropriate to evaluate the success of the PSE	Lists criteria, some of which may be inappropriate to evaluate the success of the PSE
Action, time and finance plans and their application	Formulates and evaluates well-documented action, time and finance plans with clear evidence of their application to the PSE	Formulates action, time and finance plans, and shows some evidence of their application to the PSE	Formulates and applies action and/or time and/or finance plans	Some evidence of the application of action, time or finance planning	Action, time or finance planning not evident
Component PROJECT EVALUATION	10 - 9	8 - 7	6 - 5	4 - 3	2 - 1
Recording and application of evaluation procedures throughout the design project	Critically evaluates aspects of the PSE throughout its entire development	Evaluates some aspects of the PSE throughout its entire development	Judges the success of some aspects of the PSE through stages of its development	Describes, with little justification, the success of several aspects of the PSE or exhibits evaluation in the PSE's development	Describes, without justification the success of an aspect of the PSE or provides some evidence of evaluation in the PSE's development
Analysis and evaluation of functional and aesthetic aspects of design	Analyses and critically evaluates the functional and aesthetic aspects of the PSE	Explains the functional and aesthetic aspects of the PSE	Describes some functional and/or aesthetic aspects of the PSE	Describes a functional and/or aesthetic aspect of the PSE	Names a functional or aesthetic aspect of the PSE
Final evaluation with respect to the project's impact on the individual, society and the environment	Critically evaluates the impact of the PSE on the individual, society and the environment	Explains the impact of the PSE on the individual, society and the environment	Describes the impact of the MDP on the individual and/or society and/or the environment or exhibits evidence that the impact on the environment was considered	Briefly describes the impact of the PSE on the individual and/or society and/or the environment	Minimal and/or inaccurate description of the impact of the PSE on the individual, society or the environment
Relationship of the final product, system or environment to the project proposal	Analyses the relationship of the PSE to the criteria for success identified in the project proposal	Compares the relationship of the PSE to the criteria for success identified in the project proposal	Checks the PSE against the criteria for success identified in the project proposal, with little or no explanation	Checks the PSE against some of the criteria for success identified in the project proposal, without explanation	Does not clearly relate the PSE to the criteria for success identified in the project proposal

Component PROJECT DEVELOPMENT & REALISATION	Design & Technology ~ 2009				
	TEAM NUMBER 35 - 29	28 - 22	21 - 15	14 - 8	7 - 1
Evidence of creativity – ideas generation, degree of difference and exploration of existing ideas	Demonstrates the substantial application of creativity in the development of the MDP	Demonstrates application of creativity in the development of the MDP	Demonstrates some creativity in the development of the MDP	Provides some evidence of ideas generation and / or exploration of existing ideas	Provides limited evidence of ideas generation and/or exploration of existing ideas
Consideration of design factors relevant to the Major Design Project	Analyses a range of design factors relevant to the PSE and applies them	Describes a range of design factors relevant to the PSE and applies them	Describes some design factors relevant to the PSE and applies them	Provides some evidence of design factors, most of which are relevant to the PSE and applies them	Provides limited evidence of design factors, few of which are relevant to the PSE
Appropriate Research and Experimentation of; materials, tools, techniques and testing of design solutions.	Undertakes, evaluates and applies a range of appropriate research, experimentation and design solution testing in the development of the MDP	Undertakes, evaluates and applies appropriate research, experimentation and design solution testing in the development of the MDP	Undertakes, evaluates and applies some appropriate research, experimentation and/or design solution testing in the development of the MDP	Evaluates and/or applies limited appropriate research and/or experimentation and/or design solution testing	Minimal evidence of appropriate research and/or experimentation and/or design solution testing
Application of conclusions	Applies conclusions drawn from research and experimentation and design solution testing to the MDP	Demonstrates some application of conclusions drawn from the research and experimentation and/or design solution testing to the MDP	Demonstrates some selective application of conclusions drawn from research and/or experimentation and/or design solution testing	Demonstrates limited application of conclusions drawn from research and/or experimentation and/or design solution testing	Demonstrates minimal application of conclusions drawn from research and/or experimentation and/or design solution testing
Identification and justification of ideas and resources used	Justifies the selection and use of ideas and resources used for the PSE	Explains the selection and use of ideas and resources used for the PSE	Describes the selection and use of ideas and/or resources used for the PSE	Describes some ideas and/or resources used in the PSE	Lists few ideas and/or resources used in the PSE
Use of communication and presentation techniques	Succinctly demonstrates a range of appropriate quality communication and presentation techniques	Demonstrates varied and appropriate communication and presentation techniques in a concise manner	Demonstrates appropriate communication and presentation techniques	Demonstrates a limited range of communication and presentation techniques	Demonstrates minimal communication and presentation techniques
Evidence and application of practical skills to produce a quality project	Applies a range of high-quality practical skills in the development of the PSE	Applies a range of sound practical skills in the development of the PSE	Applies sound practical skills in the development of the PSE	Applies basic practical skills in the development of the PSE	Applies minimal practical skills in the development of the PSE

Design & Technology CHECKLIST (to aid the application of the Marking Guidelines)

TEAM NUMBER <input type="text"/>	Candidate #									
Marker's name										
Partner's name										
	INDICATORS		INDICATORS		INDICATORS		INDICATORS		INDICATORS	
Component - PROJECT PROPOSAL & PROJECT MANAGEMENT /15	13-15	10-12	7-9	4-6	1-3	13-15	10-12	7-9	4-6	1-3
Identification and exploration of the need										
Areas of investigation										
Criteria to evaluate success										
Action, time & finance plans & their application										
Management / 15										
Partner										
Component PROJECT DEVEL. & REALISATION /35	29-35	22-28	15-21	8-14	1-7	29-35	22-28	15-21	8-14	1-7
Evidence of creativity – ideas generation, degree of difference & exploration of existing ideas										
Consideration of design factors relevant to the Major Design Project										
Appropriate Research and Experimentation of: materials, tools, techniques and testing of design solutions.										
Application of conclusions										
Identification and justification of ideas and resources used										
Use of communication & presentation techniq.										
Evidence and application of practical skills to produce a quality project										
Development & Realisation / 35										
Partner										
Component PROJECT EVALUATION /10	9-10	7-8	5-6	3-4	1-2	9-10	7-8	5-6	3-4	1-2
Recording and application of evaluation procedures throughout the design project										
Analysis and evaluation of functional and aesthetic aspects of design										
Final evaluation with respect to the project's impact on the individual, society & the environ.										
Relationship of the final product, system or environment to the project proposal										
Evaluation / 10										
Partner										

Please add additional comments on the reverse side of this sheet

Design TECH INFORMATION	Tick for DesignTECH suitability	YES <input type="checkbox"/>	YES <input type="checkbox"/>	YES <input type="checkbox"/>	YES <input type="checkbox"/>	YES <input type="checkbox"/>
	Creative Design	L M H	L M H	L M H	L M H	L M H
	Innovative Concept	L M H	L M H	L M H	L M H	L M H
	Demonstration of useful purpose	L M H	L M H	L M H	L M H	L M H
	High Quality construction techniques	L M H	L M H	L M H	L M H	L M H