



HSC ASSESSMENT TASK NOTIFICATION

SUBJECT:	Design & Technology
TEACHER:	M. Smith
UNIT:	Project Development & Realisation
VALUE:	40% weighting
DATE NOTIFIED:	07/05/2019 Wk 2 T2
DATE DUE:	02/08/2019 Wk2 T3
Outcomes:	H1.1, H3.2, H4.2, H4.3, H5.2, H6.1

Your folio must include the following:

Component: Project Development & Realisation (35 marks)

In this section, the development and realisation of the Major Design Project (both the folio and product, system or environment) is clearly evidenced, documented and explained.

Project Development & Realisation

- Evidence of creativity
 - Exploration of existing ideas (at least 5 and evaluation PMI)
 - Ideas generation (sketches with evaluation)
 - Degree of difference (statement outlining how your PSE is different from what is already available on the market)
- Consideration of design factors relevant to the MDP and a SWOT analysis
- Appropriate research (materials, tools, techniques and safety)
- Appropriate experimentation of materials, tools, techniques and testing of design solutions (may be a prototype)
- Application of conclusions
- Identification and justification of ideas and resources used

- Evidence and application of practical skills to produce a quality project (including your final design, technical drawings and order of construction)
- Your project should
 - Meet the brief as outlined in your folio
 - Be manufactured to a good quality
 - Demonstrate selection and appropriate use of materials, tools and techniques in the production of MDP
 - Demonstrate good time management to produce an outstanding design project
 - Meet the criteria for success as outlined in your folio
- Use of communication and presentation techniques

Component: Evaluation (10 marks)

In this section, candidates are requested to provide evidence of continual evaluation throughout the development and realisation of the Major Design Project. This also includes linking back to the original criteria developed in the Project Proposal and Project Management section to evaluate the success of the project.

Evaluation

- 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 and the environment
- Relationship of the final product, system or environment to the project proposal

Marking Criteria for Project Development & Realisation

Criteria	Marks
<ul style="list-style-type: none"> • Demonstrates the substantial application of creativity in the development of the MDP • Analyses a range of design factors relevant to the PSE and applies them • Undertakes, evaluates and applies a range of appropriate research experimentation and design solution testing in the development of the MDP • Applies conclusions drawn from research and experimentation and design solution testing to the MDP • Justifies the selection and use of ideas and resources used for the PSE • Applies conclusions drawn from research and experimentation and design solution testing 	29–35

Criteria	Marks
<p>to the MDP</p> <ul style="list-style-type: none"> • Applies a range of high-quality practical skills in the development of the PSE • Succinctly demonstrates a range of appropriate quality communication and presentation techniques 	
<ul style="list-style-type: none"> • Demonstrates application of creativity in the development of the MDP • Describes a range of design factors relevant to the PSE and applies them • Undertakes, evaluates and applies appropriate research, experimentation and design solution testing in the development of the MDP • Demonstrates some application of conclusions drawn from the research and experimentation and/or design solution testing to the MDP • Explains the selection and use of ideas and resources used for the PSE • Demonstrates some application of conclusions drawn from the research and experimentation and/or design solution testing to the MDP • Applies a range of sound practical skills in the development of the PSE • Demonstrates varied and appropriate communication and presentation techniques in a concise manner 	22–28
<ul style="list-style-type: none"> • Demonstrates some creativity in the development of the MDP • Describes some design factors relevant to the PSE and applies them • Undertakes, evaluates and applies some appropriate research, experimentation and/or design solution testing in the development of the MDP • Demonstrates some selective application of conclusions drawn from research and/or experimentation and/or design solution testing • Describes the selection and use of ideas and/or resources used for the PSE • Demonstrates some selective application of conclusions drawn from research and/or experimentation and/or design solution testing • Applies sound practical skills in the development of the PSE • Demonstrates appropriate communication and presentation techniques 	15–21
<ul style="list-style-type: none"> • Provides some evidence of ideas generation and/or exploration of existing ideas • Provides some evidence of design factors, most of which are relevant to the PSE and applies them • Evaluates and/or applies limited appropriate research and/or experimentation and/or design solution testing • Demonstrates limited application of conclusions drawn from research and/or 	

Criteria	Marks
<p>experimentation and/or design solution testing</p> <ul style="list-style-type: none"> • Describes some ideas and/or resources used in the PSE • Demonstrates limited application of conclusions drawn from research and/or experimentation and/or design solution testing • Applies basic practical skills in the development of the PSE • Demonstrates a limited range of communication and presentation techniques 	8–14
<ul style="list-style-type: none"> • Provides limited evidence of ideas generation and/or exploration of existing ideas • Provides limited evidence of design factors, few of which are relevant to the PSE • Minimal evidence of appropriate 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 • Lists few ideas and/or resources used in the PSE • Demonstrates minimal application of conclusions drawn from research and/or experimentation and/or design solution testing • Applies minimal practical skills in the development of the PSE • Demonstrates minimal communication and presentation techniques 	1–7

Marking Criteria for Evaluation

Criteria	Marks
<ul style="list-style-type: none"> • Critically evaluates aspects of the PSE throughout its entire development • Analyses and critically evaluates the functional and aesthetic aspects of the PSE • Critically evaluates the impact of the PSE on the individual, society and the environment • Analyses the relationship of the PSE to the criteria for success identified in the project proposal 	9-10
<ul style="list-style-type: none"> • Evaluates some aspects of the PSE throughout its entire development • Explains the functional and aesthetic aspects of the PSE • Explains the impact of the PSE on the individual, society and the environment • Compares the relationship of the PSE to the criteria for success identified in the project proposal 	7-8
<ul style="list-style-type: none"> • Judges the success of some aspects of the PSE through stages of its development • Describes some functional and/or aesthetic aspects of the PSE 	

Criteria	Marks
<ul style="list-style-type: none"> • 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 • Checks the PSE against the criteria for success identified in the project proposal, with little or no explanation 	5-6
<ul style="list-style-type: none"> • Describes, with little justification, the success of several aspects of the PSE or exhibits evaluation in the PSE's development • Describes a functional and/or aesthetic aspect of the PSE • Briefly describes the impact of the PSE on the individual and/or society and/or the environment • Checks the PSE against some of the criteria for success identified in the project proposal, without explanation 	3-4
<ul style="list-style-type: none"> • Describes, without justification, the success of an aspect of the PSE or provides some evidence of evaluation in the PSE's development • Names a functional or aesthetic aspect of the PSE • Minimal and/or inaccurate description of the impact of the PSE on the individual, society or the environment • Does not clearly relate the PSE to the criteria for success identified in the project proposal 	1-2