



Design and Technology, Assessment Task 1

Subject	Year 12 Design and Technology
Name of task	MDP first progress mark
Type of task	HSC assessment
Notification date	1 November 2011
Submission date	5 December 2011
Submission instructions	<p>You are required to submit:</p> <ul style="list-style-type: none"> • Completed Project Management Portfolio showing project proposal and project management • Clearly demonstrated identification of design need, an appropriate design brief, criteria for evaluating success, factors affecting design, areas of investigation, an exploration of target market, management plans of action, time and finance. • Indication and application of how you will make it easier for markers to assess the essential parts of your project using clear communication and demonstrating creativity • Clearly show on-going evaluation and justification for decisions
Feedback date	7 December 2011
Task description	Design your presentation for the Major Design Project.
Format	Design Portfolio A4 design portfolio is recommended but A3 is also possible, but refer to BoS requirements for page numbers that include posters, etc.
Weighting	15% of course mark
Resources on oxleylearning.org	Past MDP portfolio slideshows at: http://oxleylearning.org/tas/mdp/
Syllabus component	Designing and Producing
Outcomes assessed	H1.1, H3.2, H4.1, H4.2, H4.3, H5.1, H5.2

Planning sheet

First up, you need to consider holistically the direction of your project in terms of what you will be marked on by the Board of Studies (BoS) and here are their definitions and marking criteria.

The Major Design Project will include the submission of:

- (i) a folio documenting the project proposal and project management, project development and realisation, and project evaluation
- (ii) a product or a system or an environment (PSE).

Component: Project Proposal and Project Management (15 marks)

This section requires candidates to provide detail in their portfolio about the intended direction of their Major Design Project (MDP) and how they plan to proceed with and manage the project to completion. This section should provide a constant reference point as students progress through the Project Development and Realisation, and Evaluation.

Assessment criteria

- Identification and exploration of the need
- Areas of investigation
- Criteria to evaluate success
- Action, time and finance plans and their application

Outcomes assessed: H1.2, H4.1, H5.1, H5.2

Component: Project Development and 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.

Assessment criteria

- Evidence of creativity – ideas generation, degree of difference and exploration of existing ideas
- Consideration of design factors relevant to the Major Design Project (as defined in the *Design and Technology Stage 6 Syllabus*)
- 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 and presentation techniques
- Evidence and application of practical skills to produce a quality project

Outcomes assessed: H1.2, H2.1, H3.2, H4.2, H5.1, H5.2

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.

Assessment criteria

- 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

Outcomes assessed: H1.2, H4.2, H4.3, H5.1

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To get into the highest mark band, the Board of Studies marking criteria for the Project Proposal and Management section states:

- Identifies and provides a detailed exploration of genuine needs and opportunities, justifying final selection for the development of the MDP
- Describes relevant areas of investigation which relate clearly to the need, and provides direction for further action
- Establishes and analyses appropriate criteria to evaluate the success of the PSE
- Formulates and evaluates well-documented action, time and finance plans with clear evidence of their application to the PSE

As well, note that the evaluation section of the project will also need to be considered at this point as some of your evaluation will relate to planning and evidence of this is required.

Again, the highest band mark range for Evaluation states:

- 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

You must include reference to the first dot point and you will be establishing the direction, through the Criteria for Evaluating Success, to the last point now as well.

Presentation

Note the BoS requirements for portfolio presentation

Folio parameters

The folio will be limited to 80 written A4 pages OR 40 written A3 pages printed on ONE side only. Note that the page limit includes the title page, index, bibliography, design ideas, concept sketches and detailed drawings, as well as information presented on displays or noticeboards.

Students who need to use a combination of A3 and A4 pages in their folios to display their work to best effect must keep to the overall page limit, using $1 \times \text{A3 page} = 2 \times \text{A4 pages}$ as a guide.

Other media-based or multimedia-based materials in a student's folio should not exceed six minutes viewing time in total.

Folio format

The folio should be presented in an A4 or A3 folder.

A clear and easily read font equivalent in size to 12-point Times New Roman should be used for text. Folio pages should be numbered.

Advice regarding project size

The physical size of the Major Design Project needs to be carefully considered. Teachers and students should be mindful of:

the cost of materials

the complexity and physical size of projects.

High marks are regularly achieved by students who have projects that are of modest cost, use minimal materials and do not require an excessive student time commitment.

You will find it easier to work with A4 (which can be double sided if you wish ie. 80 pages = 40 x A4 sheets of paper). Avoid unnecessary or 'frilly' decoration. It is better to aim for a professional look with concise and clear communication.

Helpful resources

Start with the Board of Studies own website and read all the course documentation, particularly the documents at:

http://www.boardofstudies.nsw.edu.au/syllabus_hsc/design-technology.html#support

Charles Sturt University has a useful site to guide you, including some examples:

http://hsc.csu.edu.au/design_technology/

Examples by previous Oxley students can be found at:

<http://oxleylearning.org/tas/mdp/>

We will soon be adding photographs of selected 2011 portfolios.

Knowledge of page layouts using **Microsoft Word** will be very helpful and more adventurous/graphic-designer-types may even want to explore **Adobe InDesign** as a platform for page design.

DesignTECH: Some information on previous shows can be found at:

http://www.boardofstudies.nsw.edu.au/exhibitions/pdf_doc/designtech-2010-guide-phm.pdf

and keep an eye on the Powerhouse Museum site: <http://www.powerhousemuseum.com/>

Refer to Section 3 of the Noel Glover text for more information on the Major Design Project.

You may also benefit from joining forums on the student community website:

<http://community.boredofstudies.org/>

What else could you source for your particular project?

Could you share resources with other students in your class?

Do you need to learn any new skills (welding, printmaking, knitting, etc? Should you do a course?

Marking scheme

	Out-comes	18–20	13–17	8–12	0–7
Identification and exploration of the need	H4.1	Need or opportunity is clearly identified with documented research using appropriate methods to prove the need	Need is identified and explained, supported with documented research	Need is identified and is supported with some documented research	Need is identified
Design brief	H4.1	Design brief is clearly stated and states the problem or area of need	Design brief is clearly stated and implies a problem or area of need	Design brief is stated provides some direction to the project	Design brief is stated but it is difficult to see how it provides adequate direction for the project
Criteria for evaluating success	H4.3	Clearly identifies functional and aesthetic criteria of the major design project showing valid justification	Identifies functional and aesthetic criteria of the major design project with some justification	Identifies some functional and aesthetic criteria of the major design project	Identifies some criteria of the major design project but fails to show clear links in the projects direction or purpose
Factors affecting design	H1.1	Identifies and applies factors affecting design to the major design project and describes and justifies parameters to the design	Identifies and applies factors affecting design to the major design project and describes parameters to the design	Identifies factors affecting design to the major design project and describes parameters to the design	Identifies some factors affecting design with limited attempt to show parameters of the design
Areas of investigation	H4.1	Areas of investigation are clearly outlined and justified. They focus on the design problems and provide direction for further action. Explanation of the sources and places of information is provided	Areas of investigation are identified and provide direction for further action	Areas for investigation are identified	Areas for investigation are listed
Target market	H4.1	Thoroughly investigates the target market for the design and analyses the results to show direction in the major design project	Investigates the target market for the design and analyses the results	Investigates the target market for the design	Identifies the target market with little attempt to show its impact on the direction of the major design project
Management plans	H5.1	Formulates functional management plans for action, time and finance. Applies management plans to the project and evaluates	Formulates management plans for action, time and finance. Some application of the management plans to the project and some evaluation	Formulates management plans for action, time and finance. Limited application of the management plans to the project	Formulates management plans for action, time and finance

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	Out-comes	9–10	7–8	4–6	0–3
Portfolio design and the look and feel of Project Development and Realisation Portfolio	H3.2	Clearly demonstrates creativity in the development of the MDP	Demonstrates creativity in the development of the MDP	Demonstrates some creativity in the development of the MDP	Has limited or no evidence of creativity in the MDP
Communication of important elements	H5.2	Clearly selects and uses appropriate communication techniques for the development of the MDP.	Selects and uses appropriate communication techniques for the development of the MDP	Selects and uses some appropriate communication techniques for the development of the MDP	Uses limited or no appropriate communication techniques for the development of the MDP
On-going evaluation and justification for decisions	H4.2 and H5.2	Clearly identifies, selects, uses and justifies the use of resources and justifies decisions based on the results of the analysis of research	Mostly identifies, selects, uses and justifies the use of resources and justifies decisions based on the results of the analysis of research	Identifies, selects and uses the use of resources and mostly justifies decisions based on the results of the analysis of research	Makes little or no attempt to identify, select, use and justify the use of resources or justify decisions based on the results of the analysis of research

Comments:

Name:

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