



MOUNT ANNAN HIGH SCHOOL ASSESSMENT TASK NOTIFICATION

FACULTY	TAS	COURSE	Industrial Technology Timber and Furnishing	YEAR	2024
TASK NUMBER	2	TASK NAME	Major Design Project (Draft)		
TASK WEIGHT	20%	MARKS AWARDED	25		
DATE OF NOTIFICATION	Monday 18/3/24				
DUE DATE	Wednesday 3/4/23				



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TASK DESCRIPTION / INSTRUCTIONS

The aim of this assessment task is to produce a draft version of your Major design project folio.

What follows is a scaffold that represents the contents and structure of an outstanding folio.

Use the scaffold to provide a structure for everything you have already done, and are yet to do.

- **TITLE PAGE (Major Heading on a single page)**
- **CONTENTS (Major Heading)**
 - well presented and make it easy to navigate folio
 - pages should be numbered
- **DESIGN(major heading on title page)**
- **STATEMENT OF INTENT (major heading on title page)**
 - This is a specific and detailed statement of what is to be achieved, where and how it is to be done and why you have decided on this particular project.
- include
 - who will use it
 - how it will work
 - what it will be used for
- specify the limits if and of the design
 - size
 - weight
 - cost
 - transportability
 - functions
 - aesthetics
- Goals- what you expect to achieve
 - Use at home?
 - Sell for profit?
 - Market it
- What are the possibilities?
 - Can it be made from other materials?
 - Can it be used for other applications?
 - Sell for profit or eventually market it?

(the statement of intent is the foundation for subsequent research and planning. It indicates what is contained in the folio and provides information on where the project is heading.



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- **Project Diary**
 - Records of the daily or weekly progress.
 - Why?
 - provides marker with feedback on the progress of work during production
 - records ongoing evaluation and development of ideas
 - keeps you on task
 - can assist with misadventure claims
 - Should include
 - week number
 - Planned tasks
 - completed task
 - variations-document any changes to to the project concerning Statement of Intent
 - evaluation
 - variation of time-line
- **ONGOING EVALUATION (minor heading entries inserted at the time of evaluation)**
 - should be conducted throughout
 - all changes new ideas, materials, processes, and techniques should be documented, evaluated and justified concerning SOI
- **RESEARCH(major heading on title page)**
 - document all research such as
 - journal
 - books
 - catalogues magazines
 - websites
 - Experimentation and testing
 - include
 - type of research
 - where it will be done how the research will be undertaken
 - show clearly what has been gained. Evaluate research and document conclusions in relation to your **SOI**
- **DEVELOPMENT OF IDEAS(major heading on title page)**
 - A compilation of ideas gathered when researching your design
 - annotate the +/-
 - show markers in the evolution of design: sketches well labelled easily understood
 - at the end show your final design selection in relation to **SOI**



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- **SELECTION AND JUSTIFICATION OF MATERIALS, COMPONENTS, PROCESSES & OTHER RESOURCES** (major heading on title page)
 - present well-researched reasons why you have chosen materials, components, processes and other resources such as time finance assistance tools //machines, energy
 - provide options for each category so as to justify your choice
 - Reasons must be given based on research and experimentation.
 - suggested headings for each category of materials components and processes
 - **Options investigated:**
 - **Selection**
 - **Justification for selection** (based on research)
- **MANAGEMENT AND COMMUNICATION** (major heading on title page)
- **TIMELINE PLAN** (major heading on title page)
 - A list of planned steps you intend to follow to keep the project on schedule
 - it should indicate advanced planning and should provide a projected order of production and an estimate of time allocation
 - should be flexible
 - timeline plan should show
 - the action
 - estimate time of completion
 - actual time of completion
 - any variation to the planned sequence
 - a timeline can be used but a Gantt chart is recommended
- **FINANCE PLAN** (major heading on title page)
 - identifies what finance is available
 - estimates of costs
 - actual costs
 - not just the receipts totalled at the end
- document the finance plan as an ongoing exercise
 - this allows ongoing evaluation
- suggested headings
 - items
 - expected cost
 - actual cost
- budget balance



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- **USE OF APPROPRIATE INDUSTRIAL PROCESSES AND EQUIPMENT (major heading on title page)**
 - provide photographic evidence
 - explain the appropriateness of the process compared to other methods available
 -
 -
- **EVIDENCE OF SAFE WORKING PRACTICES AND WHS ISSUES (major heading on title page)**
 - provide photographic and written evidence of safe working practices you followed
 - all photos accompanied by an adequate explanation of the WHS issue or regulation
 -
- **EVIDENCE OF ONGOING EVALUATION**
 - should be conducted throughout the project
 - All changes, new ideas, materials, processes and techniques should be documented, evaluated and justified with the SOI
- **APPROPRIATENESS OF DESIGN AND /OR DESIGN MODIFICATION (major heading on title page)**
 - explain why your final design and /or modification is appropriate for the intended purpose of the projected
 - include both +'s and -'s relate explanation to the SOI
 - document all modifications
- **STUDENTS' EVALUATION OF THE MAJOR PROJECT AND ITS RELATIONSHIP TO THE STATEMENT OF INTENT (major heading on title page)**
 - explain whether your finished project achieves the goals set out in your SOI
 - evaluate each goal in the same order set out in your SOI
 - include the negatives as well as the positives
- **EVIDENCE OF A RANGE OF COMMUNICATION TECHNIQUES**
 - should be word-processed
 - pictures should be scanned
 - digital photos
 - sketches from all stages of development included -scanned
 - working drawings, both 2d and 3d, done in CAD
- **EVIDENCE OF A RANGE OF COMPUTER APPLICATIONS**
 - **Word processing**
 - **CAD**
 - **Spreadsheets -utilising formulas for easy updating budgets**



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PRODUCTION(major heading on title page)

- **NOT SPECIFICALLY REQUIRED BUT:**
 - directs the examiner's attention to areas they may not be aware of
 - ensures you won't forget to include these aspects
- **QUALITY OF PRODUCTION** (minor heading new page)
 - quality should relate to all aspects of design and planning
 - direct the examiners to areas of the project recognised by professionals as being of high quality
- **EVIDENCE OF A RANGE OF SKILLS** (minor heading new page)
 - briefly outline the range of skills you used in your project
 - explain any hidden complexity
 - if you have learnt a new skill externally, i.e. TAFE include a statement
- **DEGREE OF DIFFICULTY**(minor heading new page)
 - direct the examiner's attention to areas that you consider entailed a degree of difficulty
- **LINKS BETWEEN PLANNING AND PRODUCTION**(minor heading new page)
 - demonstrate to the examiner that your SOI, research, ongoing evaluation timeline plans, finance plan and working drawing are all reflected in your completed major project
 - e.g. if you made a change in a joint, show that this change is reflected in the ongoing evaluation, timeline plan and modified working drawings
- **EVIDENCE OF INDUSTRIAL PROCESSES**(minor heading new page)
 - direct the examiner to parts of your project done by processes used in industry
- **USE OF APPROPRIATE MATERIALS**(minor heading new page)
 - direct the examiner's attention to how good a choice you made concerning materials used in the project
- **USE OF INDUSTRIAL TECHNOLOGIES**(minor heading new page)
 - direct examiner attention to parts of your project which have been done by use of industrial technologies
 - this refers to tools, machines and equipment
- **EVIDENCE OF SOLUTIONS TO PROBLEMS IN PRODUCTION**(minor heading new page)
 - the only means of showing the examiner what practical problem-solving took place
 - explain how you dealt with problems that arose. Not just how you fixed mistakes
 - jigs templates mockups and prototypes are ideal for this



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This task is to be submitted in digital form to the allotted area in Google Classroom on or before the due date

The task is vital to the production of the Major Design Project as it provides a comprehensive scaffold for the student to build onto in order to maximise their result when they submit the Major Design Project



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- H1.2** identifies appropriate equipment, production and manufacturing techniques and describes the
- H3.1** demonstrates skills in sketching, producing and interpreting drawings
- H3.2** selects and applies appropriate research and problem-solving skills
- H3.3** applies and justifies design principles through the production of a Major Project
- H5.1** selects and uses communication and information processing skills

FAILURE TO COMPLETE OR SUBMIT AN ASSESSMENT TASK

If you do not attend school on the Due Date of an Assessment Task to submit or complete the task in person you will be given a zero mark unless you comply with the following Assessment Guidelines:

- For Assessment Task completed at home - you must submit the assessment task before school on the next day you attend.
- For Assessment Tasks completed at school - you must report to the relevant Head Teacher before school the next day you attend and discuss when you will complete task missed or a substitute task.
- Complete a 'Misadventure Form' and provide relevant information and evidence to appeal the **zero mark** awarded. Other circumstances are outlined in the MAHS Assessment Booklet for the particular year. Evidence may include an in person medical certificate for illness or a letter outlining extenuating circumstances or other deemed reasonable reasons. An outcome of your 'Misadventure Form' will be provided by the Deputy Principal.

Students found guilty of **malpractice** which includes plagiarism will be awarded a **zero mark**. If a piece of work is incomplete at the time of submission, it should be submitted as is, and you will be given a mark on what has been completed.

As per our school Assessment Procedures outlined in the MAHS Assessment Booklet for the particular year, you must see your teacher and Head Teacher on the **first day you return** back to school. Please access our school website to access our assessment procedures for each year group and a 'misadventure form' - <https://mountannan-h.schools.nsw.gov.au/community/assessment-schedules.html>



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1.

MARKING CRITERIA	
Performance Descriptors	Marks/Grade
<ul style="list-style-type: none"> • applies a comprehensive understanding of both written and graphical communication, and information processing skills • utilises a design process to critically evaluate and develop solutions to practical problems • demonstrates expertise in the management of time and other resources in the development of a practical project • solves specific problems through in-depth knowledge and understanding of the implications and impact of technology on society 	21-25 A (Extensive -
<ul style="list-style-type: none"> • demonstrates a thorough understanding in the use of written and graphical communication and information processing skills • justifies solutions to practical problems through the application of design techniques • utilises a range of appropriate management strategies in the development of a practical project • Applies knowledge and understanding of the implication and impact of technology on society 	16-20 B (High)
<ul style="list-style-type: none"> • displays information processing skills and a sound knowledge in the use of both written and graphical communication • uses design or design modification techniques to solve practical problems • applies appropriate management strategies to the development of a practical project • demonstrates an understanding of the implications and impact of technology on society 	11-15 C (Sound)
<ul style="list-style-type: none"> • uses appropriate information processing skills and written and graphical communication forms • attempts to use design or design modification techniques to solve practical problems • recognises the importance of management to complete a practical project • Demonstrates an awareness of the implications and impact of technology on society 	6-10 D (Basic)
<ul style="list-style-type: none"> • uses a narrow range of written and graphical communication forms, and information processing skills • demonstrates an adequate awareness of design • displays minimal management skills in the development of a practical project • demonstrates a limited awareness of the implications and impact of technology on society 	1-5 E (Elementary)
Non Attempt – Non Submission – Non Serious Attempt	0



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I FEEL MY STRENGTHS WITHIN THIS TASK WERE

I FEEL MY WEAKNESSES WITHIN THIS TASK WERE

FROM THE MARKING CRITERIA I WOULD MOST LIKE FEEDBACK ON

A large empty rectangular box for writing responses to the assessment task notification questions.