



JOHN EDMONDSON HIGH SCHOOL

Assessment Notification

Faculty: Industrial Arts Course: Ind. Tech. Timber Year: 12

Assessment Task: Major Project and Folio Task - 3

Assessment Weighting: 25% Due: Term 3 Week 1 Date: 25/07/2024

Task Type: Hand in Task In Class Task Practical Task

Outcomes assessed (NESA)

H3.3 applies and justifies design principles through the production of a Major Project

H4.1 demonstrates competency in a range of practical skills appropriate to the Major Project

H5.1 selects and uses communication and information processing skills

H5.2 examines and applies appropriate documentation techniques to project management

H6.2 applies the principles of quality and quality control

Task Description/Overview

Students are to submit the third phase of their Major Project Folio and the practical component of the Major Project. Folio has to be submitted on CANVAS by 8.25am 25/07/24

Detailed Assessment Task Description

refer to detailed assessment documentation - CANVAS, email, JEHS Website and hardcopy

Assessment Criteria

Grade	Description	Mark Range
Outstanding (O)	The student has an extensive knowledge and understanding of the content and can readily apply this knowledge. In addition, the student has achieved a very high level of competence in the processes and skills and can apply these skills to new situations.	85-100
High (H)	The student has a thorough knowledge and understanding of the content and a high level of competence in the processes and skills. In addition, the student is able to apply this knowledge and these skills to most situations.	60-84
Sound (S)	The student has a sound knowledge and understanding of the content and has achieved a good level of competence in the processes and skills.	45-59
Basic (B)	The student has a basic knowledge and understanding of the content and has achieved a basic level of competence in the processes and skills.	20-44
Limited (L)	The student has an elementary knowledge and understanding in a few areas of the content and still required further work to achieve competence in the processes and skills.	0-19

Satisfactory completion of courses

A course has been satisfactorily completed, when the student has:

- Followed the course developed/endorsed by the NSW Educational Standards Authority (NESA)
- Applied himself/herself with diligence and sustained effort to the set tasks and experiences provided in the course.
- Achieved some or all of the course outcomes

John Edmondson
High School



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Year 12 Industrial Technology Assessment Task

Timber Products and Furniture Technologies

Major Project Folio Task - 3

Due Date: Term 3, Week 1 - (25 /07/2024)

Folio must be submitted on CANVAS by 8.25am on Friday 25th July 2024.

Assessment Outcomes

A student:

- H3.3 applies and justifies design principles through the production of a Major Project
 - H4.1 demonstrates competency in a range of practical skills appropriate to the Major Project
 - H5.1 selects and uses communication and information processing skills
 - H5.2 examines and applies appropriate documentation techniques to project management
 - H6.2 applies the principles of quality and quality control
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Assessment Details

For your Major Project Folio Task 3, you must build on the foundations laid down in Major Project Folio Task 1. For this task it is important to refer to the following for further information:

- **Supplied information for each section of the task**
- **Written/Verbal feedback on task 1**
- **Marking criteria for each section**

Design, Management and Communication (20 marks)

This submission of the major project should be a succinct 'documentary' of the development of the project, including the original intent, research, planning, decisions, problems and their solution, and ongoing evaluation of the major project in the light of the original intent.

Assessment criteria

Documentation of the major project from concept to completion, including:

- Statement of intent
- Research
- Prototyping, modelling and testing
- Selection and justification of appropriate materials, processes and resources
- Sketching and Idea Generation
- Final design drawings
- Production and Working drawings of each part
- Formulation of Cutting and Order lists for timber and other resources
- Timeline plan – projected order of production including estimation and evaluation of time allocation
- Finance plan – projected cost and an analysis of actual costs of materials, components and folio
- Evidence of project management including a record of the production of the project
- Evidence of WHS and safe working practices
- Appropriateness of design and/or design modification
- Ongoing evaluation of the major project and its relationship to the statement of intent, research and planning
- Evidence of a range of presentation skills, communication and techniques
- Evidence of a range of ICT skills

It is also advisable to include the following as headings in your folio documentation because:

- ✓ the examiners are required to mark these aspects of the major project as they are part of the major project examination criteria
- ✓ it will direct attention to areas of which they may otherwise not be aware

- Quality of the product
- Evidence of a range of skills
- Degree of difficulty
- Links between planning and production
- Use of appropriate materials
- Evidence of solutions to problems in production

Production

(40 marks)

The major project product provides practical evidence of the student's level of achievement in Timber Technology. Of particular relevance will be the range and depth of skills and knowledge evident in choosing materials and technologies, executing processes and solving problems.

Assessment criteria

- Quality of the product
- Evidence of a range of skills and use of appropriate industrial technologies
- Degree of difficulty
- Links between planning and production
- Level of student's input into the production of practical project
- Progress of students practical project as at 25/07/2025

Refinement of Folio Parameters

NESA states "***All folios for Industrial Technology must comply with these folio requirements. Mark penalties may apply if the limits are exceeded.***" As part of your task you are asked to refine your Major Project Folio (paying particular attention to the required components) to bring your folio into line with these new parameters. Also, refer to the marking criteria for further information.

Folio parameters

- The folio must 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.
- Students who need to use a combination of A3 and A4 pages to display their work to best effect in their folios must keep to the overall page limit, using 1 × A3 page = 2 × A4 pages as a guide.
- Videos, slideshows, and other media-based, or multimedia-based materials, used in a student's folio should not exceed six minutes viewing time in total.

Folio format

- For HSC submission, the folio should be presented in an A4 or A3 folder for HSC marking, however for this assessment, ***a digital PDF version is to be submitted via CANVAS.***
- 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.

Further Information

- The format of the folio requires text that is in a 'clear and easy to read font equivalent in size to 12-point Times New Roman'. Using a smaller font is equivalent to exceeding the 80-page limit, and mark penalties may apply. Fonts other than Times New Roman and in a size larger than 12-point may be used, however the overall folio page limits still apply.
- Students are encouraged to consider the marking criteria for their task to see how presentation techniques are valued during marking.
- The requirement of 12-point Times New Roman or equivalent font size applies to all of the folio, including tables, charts or graphs.
- If drawings are included in a folio, they will be included in the folio parameters. When editing a folio, students should consider which drawings would assist markers in determining how well they have demonstrated the relevant examination criteria. Only those drawings that best communicate the nature of the project should be included.

- ↪ Very large drawings should be reduced to scale to fit an A4 or A3 page, or a photograph of a large full-scale drawing plus a small sample of the drawing to illustrate its quality may be used.
 - ↪ Photographs included in the folio should be large enough for the markers to clearly see the intended features. **Photographs should measure at least 80 mm x 50 mm to ensure clarity.**
 - ↪ Scans of sketches may be included and it is not necessary to attach the originals. It is appropriate to resize sketches to fit onto an A4 or A3 page.
 - ↪ As with all other folio elements, it is important to consider whether included sketches – or scanned sketches – will help address the marking criteria.
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Advice from NESAs on reducing a folio to meet folio requirements

Once the information in a folio shows how a project meets particular marking criteria, additional information will not gain more marks.

In preparing a folio, consider the following suggestions in relation to presenting information and research:

- Think about which parts of research best relate to the project and then present findings in a clear and concise way.
- Simply highlighting sections of pages printed directly from the internet is not recommended
- Consider referring to research when explaining a choice, decision or change in the project.
- Always make sure an appropriate referencing system and bibliography are used.
- The way research is used is more important than simply having a large number of books, websites or other references.
- The marking guidelines for the Industrial Technology Major Project refer to 'relevant research, justifying the selection of appropriate materials, processes, technologies and resources'.
- CAD drawings, video or photo story can be presented digitally but these are all considered to be part of the multimedia component of the folio and will be included in the **six-minute maximum viewing limit.**

Useful Resources for this task

- ↳ **Information on each section of this task (supplied with Task 1 & 3)**
- ↳ **HSC Standards Packages 2001**
http://arc.boardofstudies.nsw.edu.au/standards-packs/SP01_15200
- ↳ **HSC Standards Packages 2002**
http://arc.boardofstudies.nsw.edu.au/standards-packs/SP02_15200
- ↳ **Sample folios (provided earlier with Task 1)**
- ↳ **Teacher's written feedback from Task 1**
- ↳ **Canvas resources**
- ↳ **Marking Criteria for Project Folio**
- ↳ **Assessment and Reporting in Industrial Technology Stage 6**
http://www.boardofstudies.nsw.edu.au/syllabus_hsc/pdf_doc/industrial-technology-assessment-reporting.pdf
- ↳ **Frequently asked questions Design and Technology and Industrial Technology project requirements**
http://www.boardofstudies.nsw.edu.au/syllabus_hsc/design-technology-industrial-technology-faq.html

Folio Marking Guidelines

Note: The folio parameters and format need to be strictly according to the NESA guidelines.

A penalty of up to 5 marks may be applied, if the folio does not meet the NESA folio parameters and format

Criteria	Marks
<ul style="list-style-type: none"> • Clarifies the intent of the major project by explaining clearly what is to be achieved and why • Conducts and explains a wide range of relevant research, justifying the selection of appropriate materials, processes, technologies and resources • Demonstrates very high level skills in sketching and idea generation, prototyping, modelling and testing, and in developing production and working drawings (as appropriate to the nature of the project) • Clearly describes the management of the project, including a succinct record of the production of the project • Develops, applies and evaluates comprehensive and appropriate timeline and finance plans • Demonstrates the use of a wide range of appropriate WHS and safe working practices through suitable documentation and evidence • Analyses and evaluates the relationships between design and modifications (if applicable), materials, components and processes in the development of the major project • Demonstrates a wide range of presentation skills and techniques, including ICT skills, appropriate to the development of the major project • Provides critical evaluation of the major project, including in relation to the statement of intent, research and planning 	17–20
<ul style="list-style-type: none"> • Clarifies the intent of the major project by explaining what is to be achieved and why • Conducts and describes a range of relevant research and describes the selection of appropriate materials, processes, technologies and resources • Demonstrates substantial skills in sketching and idea generation, prototyping, modelling and testing, and in developing production and working drawings (as appropriate to the nature of the project) • Describes the management of the project including a record of the production of the project • Develops and applies appropriate timeline and finance plans • Demonstrates the use of appropriate WHS and safe working practices through suitable documentation and evidence • Explains links between the design and modifications (if applicable), materials, components and processes in the development of the major project • Demonstrates a range of presentation skills and techniques, including ICT skills, most of which are appropriate to the development of the major project • Provides evaluation of the major project and discusses the major project in relation to the statement of intent, research and planning <p><i>Candidates may achieve 13–16 marks as indicated above OR by satisfying a combination of the criteria for other mark ranges.</i></p>	13–16

Criteria	Marks
<ul style="list-style-type: none"> • Describes what the intent of the major project is and why • Conducts and outlines research, identifying some appropriate materials, processes, technologies and resources • Demonstrates moderate skills in sketching & idea generation, prototyping, modelling & testing, and in developing production and working drawings (as appropriate to the nature of the project) • Outlines the management of the project including some records of the project production • Proposes timeline and finance plans • Demonstrates the use of some WHS or safe working practices • Lists some details of the design and modifications (if applicable), materials, components and processes in the development of the major project • Demonstrates some presentation skills and techniques, including ICT skills, most of which are appropriate to the development of the major project • Provides ongoing documentation of the major project, including some reference to the statement of intent, research and planning <p><i>Candidates may achieve 9–12 marks as indicated above OR by satisfying a combination of the criteria for other mark ranges.</i></p>	9–12
<ul style="list-style-type: none"> • Provides an outline of what is to be achieved • Minimal reference to research conducted, with some appropriate materials, processes and resources listed and little reference to consideration of technologies • Demonstrates basic skills in limited areas of sketching and idea generation, prototyping, modelling and testing, and in developing production and working drawings (as appropriate to the nature of the project) • Outlines the management of the project including some records of the project production • Timeline and finance plans are without sufficient detail • Refers to the use of basic WHS or safe working practices • Provides basic details of the design, materials, components and processes in the development of the major project • Demonstrates limited presentation skills and techniques appropriate to the development of the major project • Provides minimal ongoing documentation of the major project, with basic reference to the statement of intent, research and planning <p><i>Candidates may achieve 5–8 marks as indicated above OR by satisfying a combination of the criteria for other mark ranges.</i></p>	5–8
<ul style="list-style-type: none"> • Identifies what is to be achieved • Appropriate research not evident, with minimal reference to materials, processes, technologies and resources • Sketching, idea generation, prototyping, modelling and testing, production and working drawings either not present or in elementary form • Provides an elementary or incomplete record of the production of the major project • Timelines and finance plans are either not appropriate or not evident • Minimal or no reference to WHS or safe working practices • Little detail of the design, materials, components or processes in the development of the project • Little evidence of presentation skills and techniques appropriate to the development of the major project • Provides little or no ongoing documentation of the major project, no reference to the statement of intent, research or planning <p><i>Candidates may achieve 1–4 marks as indicated above OR by satisfying a subset of the criteria for other mark ranges.</i></p>	1–4

Production Marking Criteria

Production	10-9	8-7	6-5	4-3	2-1	
Evidence of a range of skills and use of appropriate industrial technologies	A highly demanding project, with evidence of high quality in the application of a wide range of skills and techniques in the planning and production of the major project	A project of substantial difficulty, with evidence of high quality in the application of a range of skills and techniques in the planning and production of the major project	A project of moderate difficulty, with evidence of high but inconsistent quality in the application of skills and techniques in the planning and production of the major project	A project of minimal difficulty, with evidence of basic quality in the application of skills and techniques in the planning and production of the major project	A project of limited difficulty, with little or no evidence of quality in the application of skills and techniques in the planning and development of the major project	/10
Level of student's input into the production of practical project	Teachers input throughout the practical project was minimal	Teachers input throughout the practical project was small but significant in either the progression or quality of the product	Teachers input throughout the practical project was significant in the both the progression and quality of product	Teachers input throughout the practical project was very significant in both the progression & quality of product, student input was non-committal	Students input throughout the practical project was very small and non-committal	/10
	5	4	3	2	1	
Links between planning and production	Completed project relates closely to what was intended. Close links between actual construction processes, management and thorough research and planning are evident & clearly articulated	Completed project relates to what was intended. Some links between actual construction processes, management and thorough research and planning are evident	Completed project relates loosely to what was intended. Minimal links between actual construction processes, management and thorough research & planning are evident	Links between planning and production are not clear	Links between planning and production are inappropriate or not evident	/5
Quality of the Product	Demonstrates very high quality in all aspects of the major project production	Demonstrates high quality in most aspects of the major project production	Demonstrates substantial quality in most aspects of the major project production	Demonstrates basic quality in most aspects of the major project production	Demonstrates poor quality in all aspects of the major project production	/5
Degree of difficulty	A highly demanding project	A project of substantial difficulty	A project of moderate difficulty	A project of minimal difficulty	An undemanding project	/5
Progress of students practical project	Progression of project is at such a stage that the project will be completed to a high standard with all initially intended features	Progression of project is at such a stage that the project will be completed to a high standard but without all initially intended features	Progression of project is at such a stage that the project will be completed but not to the standard initially intended and without all initially intended features	Progression of project is at such a stage that the project is at risk of being not completed or completed to a poor standard and without many initially intended features	Progression of project is at such a stage that the project is at risk of being not completed	/5
TOTAL						/40