



# JOHN EDMONDSON HIGH SCHOOL

## Assessment Notification

Faculty: Industrial Arts Course: Industrial Technology - TIMBER Year: 12

Assessment Task: Major Project Folio - Task 1

Assessment Weighting: 15% Due: Term 4 Week 10 Date: 14/12/2023 by 8:20am

Task Type: Hand in Task  In Class Task  Practical Task

### Outcomes assessed (NESA)

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

### Task Description/Overview

MAJOR PROJECT FOLIO - TASK 1

- A. Statement of Intent
- B. Research and evaluation
- C. Design development
- D. Selection and justification of resources
- E. Material lists for timber and other resources
- F. Timeline
- G. Finance Plan
- H. Ongoing Evaluation

### Detailed Assessment Task Description

Submission MUST be uploaded to CANVAS by 8.20am to be counted as 'on time'. Even if you are absent.  
Refer to attached assessment documentation

### Assessment Criteria (refer to attached assessment documentation for more detail)

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.	90-100
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.	80-89
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.	60-79
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.	30-59
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.	0-29

### 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

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## Year 12 Industrial Technology

### Timber Products and Furniture Technologies

# **Major Project Folio – Task 1**

**Due Date: Term 4, Week 10, Thursday - (14/12/2023) by 8:20am**

Submission MUST be uploaded to CANVAS as a PDF by 8.20am to be counted as 'on time'.  
Only submit on CANVAS. No hardcopy required so is expected to be submitted even if you are away.

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### **Assessment Outcomes**

#### **Assessment Outcomes**

A student:

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

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

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## **Assessment Components**

A. Statement of Intent

B. Research and evaluation of:

- Designs/design modification
- Materials
- Tools/equipment
- Components
- Processes
- Other resources
- WHS related to: PPE, Materials and Processes

C. Design development:

- Sketching
- Idea generation
- Production of working drawings

D. Selection and justification of resources (the choices you will make based on the above)

E. Material lists for timber and other resources

F. Timeline

G. Finance Plan

H. Ongoing Evaluation

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## **Presentation**

- Your folio is to be presented as an electronic PDF uploaded to Canvas only.
- Make a title page. Each new section must have its own page and be a new page.
- Use the section headings provided.
- Include all reference material used in a bibliography (see marking criteria attached re. formatting)
- Every picture you use from the internet should have the URL link under it in small font of the image location. An example of this url is below.  
<https://timberdirect.com.au/wp-content/uploads/Parquetry-05.jpg>
- Plans and CAD drawings should be useful, clear, and have measurements in mm
- **Do not** throw away rough or damaged sketches, the presentation of these is vital to show the progression of your ideas and you will need the actual sketches when you submit it to the HSC NESA markers next year.

***"Communication Techniques" is being marked as part of your folio and as such it is important to use a broad range of creative and appropriate communication and presentation techniques to enhance your folio.***

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## **A-Statement of Intent**

Students are to write a statement of intent which incorporates the following points:

- 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.
- You should include *who* will use the project, how it will work and what it will be used for on completion.
- Specify the parameters (or limits) if any, of the design (e.g. size, weight, cost transportability, function, aesthetics) and the goals you expect to achieve on completion of the project (e.g. be able to use it for home or be able to sell it for a profit).
- What are the possibilities? (e.g. can it be made from a variety of materials, can it be used for other applications, could you possibly market it?)
- **The statement of intent provides the foundation for subsequent research and planning. Indicates what is contained in the folio and provides information on where the project is heading.**

## **B- Research, Evaluation and Selection**

*All research and information presented in this section must indicate some interaction by relating its relevance to the project – just pasting lots of websites, downloads, images etc. **does not** constitute effective research and will earn **0 marks unless you relate it to your project.** Information gathered through research **must be analysed** and based on this analysis your choices/selections must be justified.*

You need to document all research relating to:

- **Designs/design modification**
  - **Materials**
  - **Tools/equipment**
  - **Components**
  - **Processes**
  - **Other resources**
  - **WHS related to: PPE, Materials and Processes**
- Document all research such as:
    - consulting journals, books, trade catalogues, magazines, websites etc.
    - consulting experts, friends, relatives etc.
    - seeking out previous designs and solutions (e.g. shops, showrooms)
    - experimentation and testing
  - In this section you should include :
    - the type of research (e.g. investigation of previous designs, testing and/or experimentation, research of literature, consulting experts etc.)
    - where it will be done (when it will be done should appear in your timeline)
    - how the research will be undertaken

- You must clearly show what has been gained from the information and how the information will be used. Evaluate all relevant research in relation to your *statement of intent*.
- **Do not "pad-out"** this section with unrelated trade catalogues, brochures, downloads etc. as it will detract from your folio presentation.

### **C- Design Development**

You need to document and provide evidence of the development of ideas through the following process:

- **Sketching**
- **Idea generation**
- **Production of working drawings**

- Compile a list of ideas gathered when researching your design – these should be in the form of labelled sketches but can also include a list of written ideas or examples cut from magazines or the internet as well.
- Each design must be annotated with your thoughts making sure that you are relating your comments to the *statement of intent*.
- It is important to show the evolution of your design solution so make sure that all sketches are well labelled and easily understood.

***Markers look to see there is an appropriate sequence of ideas relevant to the project. These ideas should explain how the major project is to be thought out and constructed.***

- At the conclusion of this section you should indicate clearly your final design selection for your major project and give reasons in relation to your *statement of intent*.
- You must create detailed working drawings of your final design.
- **Do not just submit purchased/pre-made plans.**

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### **D- Selection and Justification of Resources**

You are to provide a list of your final selections and justify your choices in relation to the following areas.

- **Designs/design modification**
- **Materials**
- **Tools/equipment**
- **Components**
- **Processes**
- **Other resources**
- **WHS related to: PPE, Materials and Processes**

- This section should be presented with the above subheadings, in the form of tables.
- You are required to present well researched reasons why you have chosen the design, materials, tools/equipment, components, processes, WHS and other resources.
- Reasons (justification) must be given for your choices and these must be based on the research already documented in the *research* section.
- You must list the other options that you researched.

***While many decisions are made on the basis of cost, availability and/or convenience, you should try to include justifications that relate to quality, functionality and/or ease of use.***

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#### **E- Materials List for Timber and other resources**

- The materials list or the cutting list should be made for each part in a table format. The sections to be used in the table should be part description, size (length, width and thickness), quantity and type of material.
  - A timber order sent to the timber mill should also be put in this section.
  - A timber mill order can be different to the actual cutting list. This could be due to the size and thickness of available raw material. It could also be due to the combination of different parts from same timber length. Make sure it is properly explained in this section.
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#### **F- Timeline**

Develop a comprehensive and detailed time plan to ensure that your project is completed on time. Include Term 4 2022 and Terms 1- 3 in 2023, even though it all ends in August.

- Prepare an outline of critical dates or deadlines for the completion of various stages of your project.
  - Construct a detailed Gantt chart or other diagram showing both the planned timing of each part of the project. It should include management tasks but more importantly the detailed steps of the production.
  - You should include a column to later record the actual timing of the project and leave space to include notes and comments.
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#### **G- Finance Plan**

The finance plan is a projection of the cost of materials and other resources.

- You must identify what finance is available (i.e. your budget), estimates of costs (leave space to later include: actual costs and progressive balances) and demonstrate a genuine effort to develop a budget based on available finances.
- Your finance plan should be presented in a table with the following headings:
  - Item
  - Expected Cost
  - Actual Cost
  - Date of Purchase
  - Budget Balance
  - Comments (a space to make notes)

***Your finance plan should be updated regularly and provide you with the opportunity to demonstrate ongoing evaluation.***

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## **H- Ongoing Evaluation**

Ongoing evaluation is best included at the **end of each section** of the folio as you go. It should be conducted throughout the development of the project. All changes, new ideas, materials, processes and techniques should be documented, evaluated and justified in relation to the *statement of intent*. Documentation of ongoing evaluation may be done by:

- Providing separate pages in the folio (inserted at the time of evaluation) providing a title, what was done, when, why and how it was done and conclusion/s in relation to the *statement of intent*.
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## **Notes**

Available for you to use are sample folios from past students at JEHS, important facts that you need to know about these resources are:

- These sample folios should not be plagiarised in anyway.
- Some folios may be incomplete or not at a very high standard.
- For the most part, the original formats were colour on A4 paper mounted and presented in an A3 folder on black backgrounds.

***Additionally, please refer to the feedback given to students that completed the same task in past years, this is distributed to you in class.***

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Design, Management and Communication	20 - 17	16 - 13	12 - 9	8 - 5	4 - 1	
<b>Statement of Intent</b>	Clarifies the intent of the major project by explaining clearly what is to be achieved and why	Clarifies the intent of the major project by explaining what is to be achieved and why	Gives a brief description of what is to be achieved and why	Gives a brief or incomplete description of what is to be achieved	Gives an incomplete description of what is to be achieved	<b>/20</b>
<b>Research, Evaluation and Selection of:</b>						
<b>- Designs/Design Modification</b>	Assesses the relationship between the design, and modifications if applicable, materials, components and processes in the development of the major project	Includes details of the design, and modifications if applicable, materials, components and processes in the development of the major project	Lists details of the design, and modifications if applicable, materials, components and processes in the development of the major project	Lists some details of the design, materials, components and processes in the development of the major project	Minimal details of the design, materials, components and processes in the development of the major project	
<b>- Materials</b>	Describes a wide range of research conducted, which is relevant to the intent of the major project. Describes and justifies the selection of appropriate materials, components, processes, equipment, and other resources in the development of the major project	Describes research conducted, most of which is relevant to the intent of the major project. Describes the selection and use of appropriate materials, components, processes and equipment, and other resources in the development of the major project	Describes research conducted, some of which is relevant to the intent of the major project. Lists materials, components, processes, and other resources in the development of the major project	Minimal reference to appropriate research conducted. Lists some of the materials, components, processes and other resources in the development of the major project, with little evidence of consideration of industrial processes and equipment	Appropriate research not evident. Lists some of the materials, components, simple processes and other resources in the development of the major project, with no evidence of consideration of industrial processes and equipment	<b>/20</b>
<b>- Tools/Equipment</b>						
<b>- Components</b>						
<b>- Processes</b>						
<b>- Other Resources</b>						
<b>- WHS related to:</b>						
<b>- PPE</b>	Describes the use of a wide range of appropriate safe working practices through photographic or written evidence	Describes the use of some appropriate safe working practices through photographic or written evidence	Describes the use of one or two appropriate safe working practices through photographic or written evidence	Refers to the use of basic safe working practices without photographic evidence	Minimal reference to safe working practices	
<b>- Materials</b>						
<b>- Processes</b>						
<b>Design Development:</b>						
<b>- Sketching</b>	Analyses and evaluates the development and modification of the major project design ideas. Demonstrates a wide range of communication techniques, appropriate to the development of the major project	Describes the development and modification of the major project design ideas. Demonstrates a range of communication techniques, most of which are appropriate to the development of the major project	Describes some aspects of the development and modification of the major project design ideas. Demonstrates some communication techniques, appropriate to the development of the major project	Briefly describes some aspect of the development and modification of the major project design ideas. Demonstrates few communication techniques, which are appropriate to the development of the major project	Minimal description of the development and modification of the major project design ideas. Minimal evidence of communication techniques, to the development of the major project	<b>/20</b>
<b>- Idea Generation</b>						
<b>- Working Drawings</b>						
<b>Material Lists for Timber and Other Resources</b>	Formulates comprehensive and appropriate material lists for all materials. Material (Timber) List and Timber Mill order list are formulated separately and properly explained	Formulates appropriate material lists. Material (Timber) List and Timber Mill order list are formulated separately	Proposes basic material lists for all aspects of project production	Proposes basic material lists for aspects of project production	Material Lists are without significant detail	<b>/10</b>
<b>Timeline</b>	Formulates a comprehensive and appropriate timeline	Formulates an appropriate timeline plan	Proposes a basic timeline for aspects of project production	Timelines are without sufficient detail	Timelines are either not appropriate or not evident	<b>/20</b>
<b>Finance Plan</b>	Formulates a comprehensive and appropriate finance plan	Formulates an appropriate finance plan	Proposes a finance plan for aspects of project production	Finance plans are without sufficient detail	Finance plans are either not appropriate or not evident	
<b>Ongoing Evaluation of the Major Project relating to:</b>						
<b>- Statement of Intent</b>	Undertakes ongoing critical evaluation throughout the development of the major project.	Undertakes regular evaluation during the development of the major project	Undertakes some evaluation during the development of the major project	Undertakes minimal evaluation during the development of the major project	Undertakes some elementary evaluation during the development of the major project	<b>/10</b>
<b>- Research</b>						
<b>- Design Development</b>						
<b>- Timeline</b>						
<b>- Finance Plan</b>						
<b>Total:</b>						<b>/100</b>

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