John Edmondson High School
Assessment Notification

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

Assessment Task: Major Project and Folio Task - 4

Assessment Weighting: 25%  Due: Term 3  Week 3  Date: Period 2/3 on 6/08/2019

Task Type: Hand in Task ✓  In Class Task □  Practical Task ✓

<table>
<thead>
<tr>
<th>Outcomes assessed (NESA)</th>
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</thead>
<tbody>
<tr>
<td>H3.3 applies and justifies design principles through the production of a Major Project</td>
</tr>
<tr>
<td>H4.1 demonstrates competency in a range of practical skills appropriate to the Major Project</td>
</tr>
<tr>
<td>H5.1 selects and uses communication and information processing skills</td>
</tr>
<tr>
<td>H5.2 examines and applies appropriate documentation techniques to project management</td>
</tr>
<tr>
<td>H6.2 applies the principles of quality and quality control</td>
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Task Description/Overview
Students are to submit their third phase of their Major Project Folio and their final practical Major Project for marking.

Detailed Assessment Task Description
(refer to detailed assessment documentation - in Canvas and distributed in class)

<table>
<thead>
<tr>
<th>Assessment Criteria</th>
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<tbody>
<tr>
<td>Grade</td>
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<tr>
<td>--------</td>
</tr>
<tr>
<td>Outstanding (O)</td>
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<tr>
<td>High (H)</td>
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<tr>
<td>Sound (S)</td>
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<tr>
<td>Basic (B)</td>
</tr>
<tr>
<td>Limited (L)</td>
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</tbody>
</table>

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

Industrial Arts Faculty

Assessment Cover Sheet
(This MUST be attached to the front of your Assessment Task)

Name ____________________________ Class 12 TTS Faculty Industrial Arts

Title of Assessment ____________ Major Project and Folio Task - 4

Date of Task distributed 23/07/2019

Date to submit Task 06/08/2019

I certify that this is my own work ______________________________________________________

(Signature of student)

Component Value 25%

Result

_________60_________

Comment ____________________________________________________________

__________________________________________________________________________

RECEIPT OF ASSESSMENT

(This section is to be retained by you as a record of submission of your assessment task)

Name ____________________________ Class 12 TTS Faculty Industrial Arts

Title of Assessment ____________ Major Project and Folio Assessment Task - 4

Submission Date 06/08/2019 Teacher ____________________________

(Signature)
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Year 12 Industrial Technology Assessment Task 4

Timber Products and Furniture Technologies

Major Project Folio Task 4

Due Date: Term 3, Week 3 - (06/08/2019)

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
Assessment Details

For your Major Project Folio Task 3, you must build on the foundations laid down in Major Project Folio Tasks 1 & 2. 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 and 2
- 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 OHS 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 06/08/2019

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**Refinement of Folio Parameters**

Effective from 2011 HSC the Board of Studies have established new parameters for Major Project Folio submissions. The Board of Studies 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.

- Other media-based or multimedia-based materials used 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**.

**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 BOS 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 that 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 2 & 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 and Task 2

Tips from Experienced Markers (supplied with Task 2)

Marking Criteria for Project Folio (Task 2 &3)

Assessment and Reporting in Industrial Technology Stage 6
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
Outcomes assessed: H3.3, H4.2, H4.3, H5.1, H5.2, H6.2

Folio Marking Guidelines

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

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

| Criteria                                                                                                                                                                                                 | Marks |
| ---                                                                                                                                                                                                     |       |
| • Clarifies the intent of the major project by explaining clearly what is to be achieved and why<br>• Conducts and explains a wide range of relevant research, justifying the selection of appropriate materials, processes, technologies and resources<br>• 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)<br>• Clearly describes the management of the project, including a succinct record of the production of the project<br>• Develops, applies and evaluates comprehensive and appropriate timeline and finance plans<br>• Demonstrates the use of a wide range of appropriate WHS and safe working practices through suitable documentation and evidence<br>• Analyses and evaluates the relationships between design and modifications (if applicable), materials, components and processes in the development of the major project<br>• Demonstrates a wide range of presentation skills and techniques, including ICT skills, appropriate to the development of the major project<br>• Provides critical evaluation of the major project, including in relation to the statement of intent, research and planning | 17–20 |

| Criteria                                                                                                                                                                                                 | Marks |
| ---                                                                                                                                                                                                     |       |
| • Clarifies the intent of the major project by explaining what is to be achieved and why<br>• Conducts and describes a range of relevant research and describes the selection of appropriate materials, processes, technologies and resources<br>• 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)<br>• Describes the management of the project including a record of the production of the project<br>• Develops and applies appropriate timeline and finance plans<br>• Demonstrates the use of appropriate WHS and safe working practices through suitable documentation and evidence<br>• Explains links between the design and modifications (if applicable), materials, components and processes in the development of the major project<br>• Demonstrates a range of presentation skills and techniques, including ICT skills, most of which are appropriate to the development of the major project<br>• Provides evaluation of the major project and discusses the major project in relation to the statement of intent, research and planning | 13–16 |

*Candidates may achieve 13–16 marks as indicated above OR by satisfying a combination of the criteria for other mark ranges.*
### Criteria

- 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

**Candidates may achieve 9–12 marks as indicated above OR by satisfying a combination of the criteria for other mark ranges.**

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<td>9–12</td>
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</table>

- 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

**Candidates may achieve 5–8 marks as indicated above OR by satisfying a combination of the criteria for other mark ranges.**

<table>
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<td>5–8</td>
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- 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

**Candidates may achieve 1–4 marks as indicated above OR by satisfying a subset of the criteria for other mark ranges.**

<table>
<thead>
<tr>
<th>Marks</th>
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<tbody>
<tr>
<td>1–4</td>
</tr>
<tr>
<td>Production</td>
</tr>
<tr>
<td>---------------------------------------------------------------------------</td>
</tr>
<tr>
<td><strong>Evidence of a range of skills and use of appropriate industrial</strong></td>
</tr>
<tr>
<td><strong>Level of student's input into the production of practical project</strong></td>
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<tr>
<td><strong>Links between planning and production</strong></td>
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<tr>
<td><strong>Quality of the Product</strong></td>
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<tr>
<td><strong>Degree of difficulty</strong></td>
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<tr>
<td><strong>Progress of students practical project</strong></td>
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**TOTAL**