Holy Cross College
Assessment
2019
Year 11 Industrial Technology

<table>
<thead>
<tr>
<th>Assessment Task No: 1</th>
<th>Date Issued</th>
<th>Date Due:</th>
<th>Weighting %</th>
<th>Total Marks</th>
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</thead>
<tbody>
<tr>
<td>Industry Study &amp; Safety Testing</td>
<td>Week 2 Term 1</td>
<td>7 May</td>
<td>20%</td>
<td>120</td>
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**SUBMISSION INSTRUCTIONS**

1. HOW -
   a. Electronic (PDF)

2. WHEN ~ 7 May

**CONTEXT (OR PURPOSE) FOR THE TASK**

In this unit of work students are introduced to the basic WHS guidelines of the subject as well as the Industry Study component of the Preliminary HSC course.

Students have learnt about skills in relation to the construction and finishing of different timber products, where they have been provided with the opportunity to develop further knowledge, understanding and skills that relate to the timber technology.

**TASK RUBRIC**

In your response to the Industry Study task and activities you will be assessed on how well you:

- Describe the organisation and management of an individual business within the focus area industry
- Identify appropriate equipment, production and manufacturing techniques, including new and developing technologies
- Apply research and problem-solving skills
- Use communication and information processing skills
- Identify the impact of one related industry on the social and physical environment
- Identify the impact of existing, new and emerging technologies of one related industry on society and the environment
- Work as part of a team scenario, to allocate and monitor team work practises.
P1.1 describes the organisation and management of an individual business within the focus area industry
P1.2 identifies appropriate equipment, production and manufacturing techniques, including new and developing technologies
P2.1 describes and uses safe working practices and correct workshop equipment maintenance techniques
P2.2 works effectively in team situations
P3.1 sketches, produces and interprets drawings in the production of projects
P3.2 applies research and problem solving skills
P4.3 identifies and explains the properties and characteristics of materials/components through the production of projects
P5.1 uses communication and information processing skills
P5.2 uses appropriate documentation techniques related to the management of projects
P6.1 identifies the characteristics of quality manufactured products
P6.2 identifies and explains the principles of quality and quality control
P7.1 identifies the impact of one related industry on the social and physical environment
P7.2 identifies the impact of existing, new and emerging technologies of one related industry on society and the environment
THE TASK

Task 1a) Safety Testing

Students are required to complete the safety tests as outlined in On-Guard for Industrial Technology.

Task b) Industry Study (In Pairs)

- Examine, in detail, a company associated with the Timber and Furniture Industry in your local community (within NSW). A variety of questions will be posed that require the student to interact with the company to discover its management structure and position in the local and global economy.

- Fields or areas to study could include:
  - Timber forestry
  - Specialised Timber suppliers (not Bunnings, Mitre 10, Canterbury Timber)
  - Cabinet making
  - Kitchen Manufacturers
  - Builders (in the context of timber use, i.e. who use timber for framing)
  - Timber furniture producers (must be locally produced)

- Companies that produce their products overseas are not to be included in this study.

- You group is required to visit the worksite to obtain the information, and present a single, written report.

DELIVERABLES:

One industry study that addresses the following:

STRUCTURAL FACTORS

1. Company name
2. Location
3. Name of contact and position (Job description)
4. Background of Company/History/What they produce
5. The overall organisational structure (management structure and titles of employees- not individual names) of the business. Use flow-chart to describe hierarchy in workplace.
6. How is the product marketed/sold to the consumer?
7. Who is the end user of the product (Individual, company, government, etc)?

TECHNICAL FACTORS

1. List any notable pieces of machinery/equipment that the company uses to continue its day to day production/manufacture. E.g. CNC Router, jointer, etc and describe its purpose. Photos must be included.

ENVIRONMENTAL AND SOCIOLOGICAL FACTORS

1. List the materials (i.e. types of timber) utilised in the products they sell.
2. Does the company participate in any recycling programme? Describe in detail (if not implemented, suggest a recycling programme giving details of the process undertaken).

PERSONNEL ISSUES

1. What Union are the employees associated with? (Provide background information on the union and its role in the workplace). If employees are not members, suggest what Union they could be in and its role in the workplace.

ADDITIONAL QUESTIONS:

1. Define the term “Quality Control.” Does the company have a quality control process for produced products? Explain in detail. (if not implemented, suggest a quality control process that could be used within the company).
2. What is an “Environmental Impact Statement?”
3. Define the term ‘Industrial Relations’?
### MARKING CRITERIA

<table>
<thead>
<tr>
<th>Outcome</th>
<th>Criteria</th>
<th>Descriptor</th>
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<tbody>
<tr>
<td>Safety testing complete</td>
<td>Poor</td>
<td>0</td>
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<tr>
<td>P5.1 uses communication and information processing skills</td>
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<td>P7.1</td>
<td>identifies the impact of one related industry on the social and physical environment</td>
<td>Contents of an Environmental Impact Statement is outlined.</td>
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<td>P1.1</td>
<td>describes the organisation and management of an individual business within the focus area industry</td>
<td>Industrial Relations is defined and related to industry study</td>
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<td>P1.1</td>
<td>describes the organisation and management of an individual business within the focus area industry</td>
<td>Explanation of E.E.O. and its impact on the timber and furniture industry</td>
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