THOMAS HASSALL ANGLICAN COLLEGE

Technology & Applied Studies

**Year 10 Industrial Technology Timber**

**Research Task**

**Task:** Manufactured Timber Products

**Topic:** Materials, Tools and Techniques

**Weighting:** 25%

**Issue Date:** Term 1 Week 3

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| Due Date: Thursday 30th March 2017 (Term 1, Week 9) |

**Areas of Assessment**

Properties and applications of materials – Question 3, 5 and 6
Industrial Technology and society – Question 7, 8 and 10
Designing, communicating and evaluating – Question 1, 2, 4, 9 and 11

**Outcomes:**

**5.3.1** justifies the use of a range of relevant and associated materials

**5.3.2** selects and uses appropriate materials for specific applications

**5.4.1**  selects, applies and interprets a range of suitable communication techniques in the development, planning, production and presentation of ideas and projects

**5.5.1** applies and transfers acquired knowledge and skills to subsequent learning experiences in a variety of contexts and projects

**5.7.2** describes, analyses and evaluates the impact of technology on society, the environment and cultural issues locally and globally

**Glossary of Key Terms**

**Describe** Provide characteristics and features

**Discuss** Identify issues and provide points for and/or against

**Explain** Relate cause and effect; make the relationships between things evident; provide why and/or how

**Identify** Recognise and name

**Outline** Sketch in general terms; indicate the main features of

These key terms will be in **BOLD** text in each question

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| Assessment Guidelines  |  |
| * Hand in your finished Assessment Task to your teacher on or before 8:15am on the due date.
* Plagiarism (directly copying work from an internet or book source or another student) is not acceptable and will receive a deduction of between 10% and 100% of the final mark depending on the nature of the malpractice.
* Late submission (tasks submitted after the submission time indicated above) will result in the deduction of 20% per day from the final mark.”
* Computer problems are not an acceptable excuse for the late submission of tasks. It is your responsibility to ensure that your work is ready to be presented/submitted (Save your work regularly on Google Drive or similar).
* Extensions will only be granted in exceptional circumstances by Mr. Stoker and must be requested by completing and submitting an *Application for Assessment Task Extension* form which can be found in the IRC.
* Please refer to the College Assessment Policy for further information.
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# Assessment Task Description

Manufactured timber products.

Choose **one** of the following materials below…



Hardboard

Particle Board

Plywood

Medium-density Fiberboard (MDF)

Provide information for your chosen timber product using the following scaffold:

1. Title page (1 page). **5 marks**
2. Contents page (1 page). **5 marks**
3. **Identify** and **describe** the manufactured timber product (100 words).  **10 marks**
4. **Identify** the manufacturing process using pictures to create a flowchart, including annotations (6 pictures minimum). **10 marks**
5. **Discuss** the advantages and disadvantages of using your chosen timber (100 words). **10 marks**
6. **List,** in a tablethe readily available sizes of your chosen timber **10 marks**
7. **Identify** and **describe** any tooling or machines used when manufacturing a product using your chosen timber (100 words). **10 marks**
8. **List and describe** products/furniture manufactured from your chosen timber. (100 words). **10 marks**
9. **Identify** products which have been manufactured using your chosen timber product (3 products minimum). **5 marks**
10. **Explain** how the use of your chosen timbers impacts on society and the environment, locally and globally (250 words). **20 marks**
11. Reference list **5 marks**

**These things need to be in your assessment task**

Resources:

Woodworking part one (chapter 2) Author: Leadbeatter

Internet websites

Furnishing – an industry study for secondary schools Author: Schlyder

**Marking Guide**

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| 1. Title page (1 page)
2. Contents page (1 page)
 |
| Outcome | Criteria | Mark out of 10 | Comment |
| 5.4.1 | Professional title page and contents page, page numbers match contents page clear and easily understood by reader. | 8-10 |  |
| Excellent title page and contents page, page numbers match contents page clear and easily understood by reader. | 6-7 |  |
| Satisfactory title page and contents page, page numbers match contents page clear and easy to understand. | 4-5 |  |
| Average title page and contents page, page numbers somewhat matches contents page can identify page number with contents page. | 2-3 |  |
| Outcome not met. | 0-1 |  |

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| 1. **Identify** and **describe** the manufactured timber product (100 words).
 |
| Outcome | Criteria | Mark out of 10 | Comment |
| 5.3.1 | * Clearly recognizes and names a manufactured timber product from the given list.
* Clearly provides characteristics and features of the manufactured timber product.
* 100 or more words for description using clear and concise industry appropriate language to describe the timber.
 | 8-10 |  |
| * Recognizes and names a manufactured timber product from the given list.
* Provides characteristics and features of the manufactured timber product.
* 100 words for description using clear industry appropriate language to describe the timber.
 | 6-7 |  |
| * Recognize or name a manufactured timber product from the given list.
* Provides characteristic or feature of the manufactured timber product.
* Less than 100 words for description using some industry appropriate language to describe the timber.
 | 4-5 |  |
| * Does not clearly recognize or name a manufactured timber product from the given list.
* Does not provide a characteristic or feature of the manufactured timber product.
* Less than 100 words for description not using industry appropriate language to describe the timber.
 | 2-3 |  |
| Outcome not met. | 0-1 |  |
| 1. **Identify** the manufacturing process using pictures to create a flowchart, including annotations (6 pictures minimum).
 |
| Outcome | Criteria | Mark out of 10 | Comment |
| 5.3.1 | * Clearly recognizes and names the manufacturing process of the manufactured timber product providing 6 pictures or more.
* Provides clear and easy to read flowchart including annotations.
 | 8-10 |  |
| * Recognizes and names the manufacturing process of the manufactured timber product providing 6 pictures.
* Provides easy to read flowchart including annotations.
 | 6-7 |  |
| * Recognizes or names the manufacturing process of the manufactured timber product providing less than 4 pictures.
* Provides flowchart including some annotations.
 | 4-5 |  |
| * Does not clearly recognizes or names the manufacturing process of the manufactured timber product providing less than 2 pictures.
* Provides some sections of a flowchart including no or little annotations.
 | 2-3 |  |
| Outcome not met. | 0-1 |  |

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| 1. **Discuss** the advantages and disadvantages of using your chosen timber (100 words)
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| Outcome | Criteria | Mark out of 10 | Comment |
| 5.5.1 | * Clearly identifies points for and against in direct relation to the manufactured timber product.
* Provides 8 points related to the manufactured timber product using 100 words or more.
 | 8-10 |  |
| * Identifies points for and against in relation to the manufactured timber product.
* Provides 6-7 points related to the manufactured timber product using 100 words.
 | 6-7 |  |
| * Identifies points for or against in relation to the manufactured timber product.
* Provides 4-5 points related to the manufactured timber product using 80 words or less.
 | 4-5 |  |
| * Identifies points for or against in relation to the manufactured timber product.
* Provides 2-3 points related to the manufactured timber product using 50 words or less.
 | 2-3 |  |
| Outcome not met. | 0-1 |  |

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| 1. **List** the available sizes of your chosen timber
 |
| Outcome | Criteria | Mark out of 10 | Comment |
| 5.3.2 | * Clearly indicates the available sizes and thicknesses of the manufactured timber product.
* Clearly sketches in general terms the location/store to buy product including a price list.
 | 8-10 |  |
| * Indicates the available sizes and thicknesses of the manufactured timber product.
* Sketches in general terms the location/store to buy product including a price list.
 | 6-7 |  |
| * Indicates the available sizes or thicknesses of the manufactured timber product.
* Sketches in general terms the location/store to buy product, does not include a price list.
 | 4-5 |  |
| * Indicates some available sizes or thicknesses of the manufactured timber product.
* Does not clearly sketch in general terms the location/store to buy product, does not include a price list.
 | 2-3 |  |
| Outcome not met. | 0-1 |  |

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| 1. **Identify** and **describe** any tooling and machines used when manufacturing a product using your chosen timber (100 words).
 |
| Outcome | Criteria | Mark out of 10 | Comment |
| 5.5.1 | * Clearly recognizes and names tooling and machines used in manufacturing a product using the manufactured timber product.
* Clearly provides characteristics and features of the tooling and machines used in manufacturing a product using the manufactured timber product.
 | 8-10 |  |
| * Recognizes and names tooling and machines used in manufacturing a product using the manufactured timber product.
* Provides characteristics and features of the tooling and machines used in manufacturing a product using the manufactured timber product.
 | 6-7 |  |
| * Recognizes or names tooling and machines used in manufacturing a product using the manufactured timber product.
* Provides characteristics or features of the tooling and machines used in manufacturing a product using the manufactured timber product.
 | 4-5 |  |
| * Recognize or name a tool or machine used in manufacturing a product using the manufactured timber product.
* Provide characteristic or feature of a tool or machine used in manufacturing a product using the manufactured timber product.
 | 2-3 |  |
| Outcome not met. | 0-1 |  |

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| 1. **List and describe** products/furniture manufactured from your chosen timber. (100 words).
 |
| Outcome | Criteria | Mark out of 10 | Comment |
| 5.3.2 | * Clearly provides characteristics and features of products/furniture manufactured from you manufactured timber product using 100 words or more.
 | 8-10 |  |
| * Provides characteristics and features of products/furniture manufactured from you manufactured timber product using 100 words.
 | 6-7 |  |
| * Provides characteristics or features of products/furniture manufactured from you manufactured timber product using 80 words or less.
 | 4-5 |  |
| * Provides a characteristic or feature of products/furniture manufactured from you manufactured timber product using 50 words or less.
 | 2-3 |  |
| Outcome not met. | 0-1 |  |

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| 1. **Identify** products which have been manufactured using your chosen timber product (3 products minimum).
 |
| Outcome | Criteria | Mark out of 5 | Comment |
| 5.3.1 | * Clearly recognizes and names products which have been manufactured with chosen timber including 5 pictures and clearly labelled annotations.
 | 5 |  |
| * Recognizes and names products which have been manufactured with chosen timber including 4 pictures and labelled annotations.
 | 4 |  |
| * Recognize or name products which have been manufactured with chosen timber including 3 pictures and some labelled annotations.
 | 3 |  |
| * Recognize or name a product which have been manufactured with chosen timber including less than 3 pictures with no annotations.
 | 2 |  |
| Outcome not met. | 0-1 |  |

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| 1. **Explain** how your chosen timbers impacts on society and the environment, locally and globally (250 words).
 |
| Outcome | Criteria | Mark out of 20 | Comment |
| 5.7.2 | * Clearly makes the relationship evident between the manufactured timber product; clearly providing how and why it impacts on society and the local and global environment.
 | 16-20 |  |
| * Makes the relationship evident between the manufactured timber product; provides how and why it impacts on society and the local and global environment.
 | 12-15 |  |
| * Satisfactorily makes the relationship between the manufactured timber product; provides how or why it impacts on society and the local and global environment.
 | 8-11 |  |
| * Basically makes the relationship between the manufactured timber product; provides how or why it may impact on society and the local and global environment.
 | 4-7 |  |
| Outcome not met. | 0-3 |  |

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| 1. Reference list
 |
| Outcome | Criteria | Mark out of 5 | Comment |
| 5.4.1 | * Extensively referenced to Thomas Hassall referencing style provided on page 10 of assessment task.
 | 5 |  |
| * Thoroughly referenced to Thomas Hassall referencing style provided on page 10 of assessment task.
 | 4 |  |
| * Adequately to Thomas Hassall referencing style provided on page 10 of assessment task.
 | 3 |  |
| * Basically referenced to Thomas Hassall referencing style provided on page 10 of assessment task.
 | 2 |  |
| Outcome not met. | 0-1 |  |

**Referencing guideline**

**Book Entry – Single Author**

Author or editor and initial, date, name of book underlined or italics, place of publication, publishing company, page numbers.

Example:

Arnheim, R. (1971). Art and Visual Perception. Berkeley: University of NSW, Press. p ­255.

**Multiple Authors**

When a work has up to and including 3 authors, cite all authors. When a work has more than 3 authors cite the first 3 followed by "et al".

**Citing Chapters in an Edited Book**

Author, initial, date, year, title; cited in, initials, author, date, title, pages, place of publication, publisher.

Example:

Rubenstein, J.P. (1967). The effect of television violence on small children. In B.F.Kane (Ed.), *Television and juvenile psychological development (pp.112-134)*. New York. American Psychological Society.

**Journal Article in Electronic Database**

Author, initials, year, 'Article title', *Journal Title*, volume, issue, paging (if given), viewed day month year, name of database service, name of database, item number (if given).

Example:

Rasid, ZM & Parish, TS 1998, 'The effects of training students' levels of adherence', *Adolescence*, vol. 33, no. 129, p. 99, viewed 23 September 2007, EBSCOhost MegaFILE Premier, Academic Search Premier, item: AN589758

**Internet / World Wide Web Sources**

Author's surname, initial, title *(italicised),* date of Internet publication, date of access <URL>. GENERAL WEBSITE.

Example:

Brenner, A., (1995). *The Murder Trial*. Accessed on 23/10/09 from <http://englishserver>

**Online Images**

Figure captions should be directly under the image and then followed by an in-text citation.

Figure 1: Consumer confidence, concerns, spending and attitudes to recession: a global Nielsen consumer report (AC Nielsen 2008).