



Condobolin High School

Notification of an Assessment Task



Name and Type of Task: Materials Research

Year OR Stage: Stage 5

Subject: Industrial Technology Timber

Task Number: 1

Date Issued: T1 Wk9

Date Due: T2 Wk3 Thursday 16th May Period 2

Total Marks: 31

Weighting: 25%

Class Teacher/s: Mr T Small

Head Teacher: Mr T Small

Submission Instructions – submit in hard copy to your teacher **OR** through the Assignments Tab in your Microsoft Teams class on or before the due date indicated

Task Context:

Throughout Industrial Technology Timber you have been learning about material properties and characteristics of timber. You have been learning how these properties and characteristics can be used to select and justify materials for specific purposes.

In this task you will describe materials, select and justify appropriate materials and evaluate these selections against their impact on environment and cultural significance.

Scenario

You have been commissioned by Condobolin High School to build a high end table suitable for the meeting/board room. The client would like the table constructed using 2 contrasting timbers. The client has requested you to consider the environmental impacts and cultural significance of the materials selected for the construction of the table.

Syllabus Outcomes:

IND5-4 selects, justifies and uses a range of relevant and associated materials for specific applications

IND5-10 describes, analyses, and evaluates the impact of technology on society, the environment and cultural issues locally and globally

Task Description:

You are required to create a proposal(presentation) of materials to address the provided scenario. In your proposal you need to:

1. Describe the material properties and characteristics of the timbers you are proposing to use in the construction of the table. These properties and characteristics need to include; colour, figure, durability, hardness, workability, availability (5 marks)
2. Explain the cultural significance of your material choices (6 marks)
3. Evaluate your material choices considering environmental impact (10 marks)
4. Justify your timber choices (10 marks)

Ensure you use industry terminology throughout your response. You need to use a combination of text and images in your response.

Criteria for Assessing Learning:

You will be assessed on your ability to:

- Describe material properties and characteristics
- Explain cultural significance of material choices
- Evaluate material choices considering environmental impact
- Justify material choices

Key Verbs:

Describe: provide characteristics and features

Explain: relate cause and effect; make the relationship between things evident

Evaluate: make a judgement based on criteria; determine the value of

Justify: support an argument or conclusion