**Stage 1 Design and Technology- Materials Products**

**Context: Cabinet Construction.**

**Assessment Type 2: Design and Communication Task (Folio)**

**Learning Outcomes 2, 5 &6**

**Task (Weighting 30%)**

You are to design a small bedside style cabinet using a sheet of Pine Veneered Particle Board (VPB) 2400 x 400 x 17m. The cabinet will include a door and a drawer to be constructed from separate material provided.

The design and communication tasks will be submitted in a display folder under the following headings:

1. Need statement / Design Brief
2. Investigation of furniture styles (including Pictures and sketches). Annotation should be used to explain points of suitability for purpose against the design brief specifications.
3. Investigation of cabinet jointing methods, eg rebate joints, Knock Down Fittings and dowels
4. Investigation of materials. Choose 2 different materials used in the production of your cabinet and provide information that explains their suitability for the intended purpose. A brief analysis of the impact of your products on the environment, society and individuals should be part of this investigation.
5. A brief investigation of the machinery used in the production process including SOPs and diagrams where applicable will provide evidence of your understanding of the use and processes undertaken in this project.

From your investigation you will provide evidence of the design process for your cabinet and include the following headings: -

* Solutions and reasoning
* Isometric Working Drawing
* Procedure
* Costing Sheet.

Total Combined word count for the Folio task 2000 words

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| Criteria for Judging Performance | Max | Score | L.O |
| Investigation 50 Marks | How Clear is the task stated?* Need statement and Intention

Are the constraints listed clearly?* Material constraints and cost
* Environmental and ethical constraints

How well do the requirements relate to the proposed outcome?* Have you worked within the design brief specifications?

To what extent has the investigation informed the range of materials, methods and techniques?* Style and jointing
* Materials and componentry
* Machinery utilised in the production.
 | 55535 |  | 2 |
| Designing40 Marks | How well does the designed solution meet the design brief and outcomes of the investigation?* Sketches, drawings, statement of intent.

To what extent does the design solution provide clear specification for making the product/process or system?* Working drawings
* Procedure
* Costings
 | 1030 |  | 2, 6 |
| Communication10 Marks | How effectively are ideas and information communicated?* Titles
* Headings
* Structure

To what extent does the discussion relate to the context, purpose and or audience? | 55 |  |  |
|  | **Total** | 100 |  |  |