

Mug Tree

Write your name:

Introduction

This exercise is about product analysis and design development.

During this exercise you will analyse the mug tree shown opposite and describe how it could be made, how it could be improved and how the design could be modified for a completely different use.

Product Analysis

Product analysis involves looking very closely at a product to investigate what it is used for, how it is made, what it is made from, how the parts are fixed together etc.

You may have to carry out some research in order to be able to:

- name a suitable wood for the job and to explain the reason for your choice
- name a suitable adhesive to join the parts and to explain the reason for your choice
- name a suitable finish and to explain the reason for your choice .



Design Development

When you have finished the product analysis, you should work on plain paper and show:

- how the mug tree could be modified so that it looks better
- how the design could be modified so that it could be used as a coat rack.

Name a suitable wood for the mug tree and explain the reason for your choice.	
Name a suitable adhesive to join the parts and explain the reason for your choice.	
Name a suitable finish for the parts and explain the reason for your choice.	

Write your name:	
Name a machine that could be used to make the parts of the mug tree.	
Name the process that you would use to make the centre stand of the mug tree.	
Name the process that you would use to make the base of the mug tree.	
What is the name used to describe long lengths of cylindrical wooden material.	
Explain how the cylindrical wooden material could be fixed firmly to the stand.	
Explain how the stand could be fixed firmly to the base.	
Name three tools that you would use with your chosen machine to shape the stand and the base of the mug tree.	

Design Development

Work on plain paper and show:

- how the mug tree could be modified so that it looks better
- how the design could be modified so that it could be used as a coat rack.