

Money box Knowledge Organiser

Tier Three Vocabulary

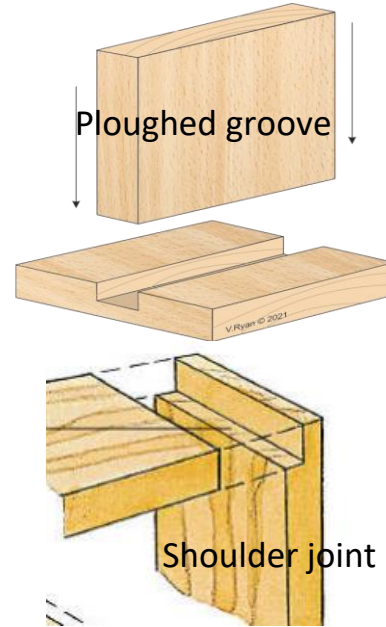
Shoulder joint,
Tenon saw,
marking gauge,
sander,
evaluate,
design,
annotate
CAD
2D design
Ploughed groove

Knowledge

how to select the correct tools and equipment (marking gauge, try square, steel rule, tenon saw, vice, sander)
how to spot hazards such as inappropriate use of tools and equipment.
the safety procedures, such as when to wear goggles, correct use of tools and machinery
how to evaluate (give an opinion) and annotate (e.g. name the finishes and what their design is based on)
what CAD (2D design) is and why we use it to develop 2D designs

Skills

use tools equipment and machinery safely and accurately (mortise and bevel chisels)
demonstrate good annotation and evaluation of their work using the correct terminology
use 2D design effectively to produce a 2D prototype



2D Design Name: _____

Can you match the 2D Design tools with the correct function?

| | |
|--|-------------------------------|
| | Used to draw ellipses. |
| | Used to draw freeform curves. |
| | Used to draw arcs. |
| | Used to add text. |
| | Used to draw straight lines. |
| | Used to draw rectangles. |

What is a specification?
A specification is a summary of the key points / issues, identified by your research and analysis. Your research should be in detail. Now is the time to draw all the research / evidence together, in a clear specification.

Analyse
Separate information into components and identify their characteristics.

Tools and Equipment

Here are the tools and equipment used to manufacture a timber money box:

Try Square used to mark 90°



Marking gauge

Used to mark a parallel line along the edge



Pencil



Steel rule



Tenon saw

Used to cut straight lines



Mallet:

Used to tap the chisel to create the housing joint



Chisels:

used to remove small pieces layers of timber a



Sander :

used to remove small areas of timber and make the parts smooth



Pillar Drill : used to create accurate holes in Materials

