

Money box Knowledge Organiser

Tier Three Vocabulary

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

Knowledge

Know how to Analyse and develop ideas from existing designs

Know how to write a specification

Know how to evaluate the work

Skills

Be able to select the correct tools and equipment

Be safe and accurate in the use of tools, machinery and equipment

Be able to spot hazards

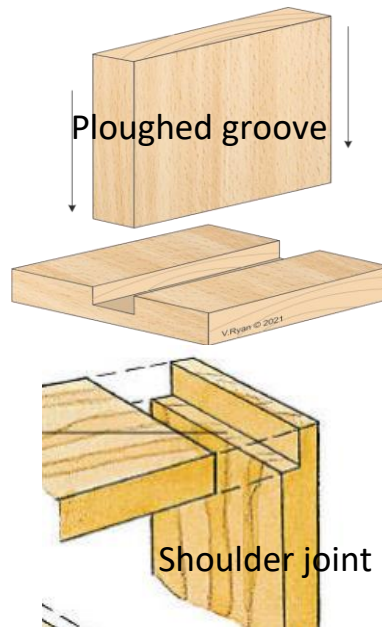
Have an awareness of safety procedures

Be able to use accurate measuring and marking skills

Evaluate and annotate their work

Develop and improve their work

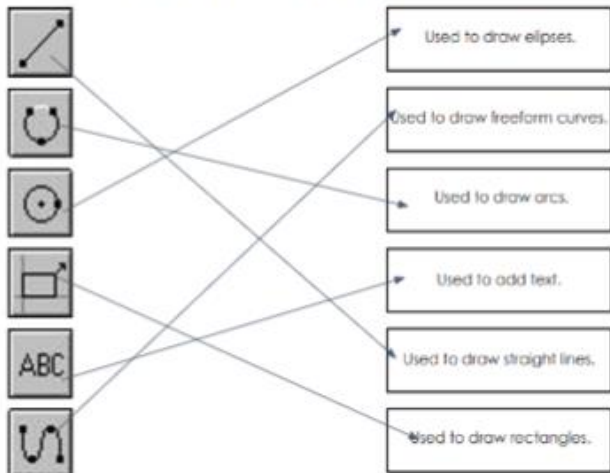
Work effectively as an individual



2D Design

Name:

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



Money Box Achievement Descriptors

Good

- Money Box complete to a good standard
- 1mm gap between the joints
- All components made close to the correct size
- Less than an 85-degree angle on all of the corners
- Some saw and pencil marks evident
- Paint applied with a good level of accuracy
- Accurate lid created on the laser cutter

Better

- Money Box complete to an excellent standard
- No gaps between the joints
- All components made to the correct size
- 90-degree angle on all of the corners
- Very few saw and pencil marks evident
- Paint applied with an excellent level of accuracy
- Creative and accurate lid created on the laser cutter

The Best

- Money Box complete to an excellent standard
- No gaps between the joints
- All components made to the correct size
- 90-degree angle on all of the corners
- No saw and pencil marks evident
- Imaginative and creative paint applied with an excellent level of accuracy
- Creative and challenging lid created on the laser cutter

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

