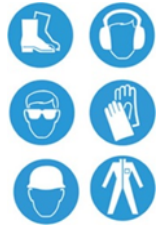


Knowledge Organiser

Year 7 Pencil Box

Health and Safety

- Long hair tied back
- No jewellery
- Always wear an apron
- Wear goggles
- Bags under tables
- Stools stacked away
- Never run or throw things around the workshop
- Never crowd round the machines
- Always stand up when doing a practical



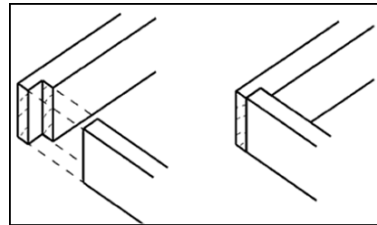
Areas of focus

Health and safety
 Designing
 Development
 Evaluation
 Practical skills
 Self/peer assessment
 PPE



Overview of joints

Focus on lap joint



2D design	A computer software for designing
CAD	Computer-aided design. i.e 2D Design
CAM	Computer- aided Manufacture. i.e laser cutter

Hardwood	Hardwood is normally fruit bearing trees and those that loose their leaves in the winter. E.g Oak, Maple and Mahogany
Softwood	Softwood are trees that are always green and grow quickly. E.g Pine and Cedar
Man-Made	Man-Made wood is wood that's not made naturally. E.g MDF, Plywood,

<u>Equipment :</u>	<u>Name:</u>	<u>Used for:</u>
	Steel Ruler	Measures in MM
	Try Square	drawing straight lines at a 90 degree angle
	Tenon Saw	Cutting wood
	Disc Sander	Sanding rough edges of wood
	Bench Hook	To hold your work against when cutting
	Marking Guage	Making a mark on the wood for the lap joint
	Vice	holding the work
	Hand Drill	To drill holes into your work
	Coping Saw	To cut curved shapes in wood
	File	To sand down wood or plastic
	Pillar Drill	To drills holes into wood or plastic
	Counter sink	Drilling a wider hole so the screw sits flat