

1. Tools and equipment



Vice

Bench hook

Coping saw



Tenon saw

Marking gauge

Try square



Glue gun

Drill bit

File



Pillar drill

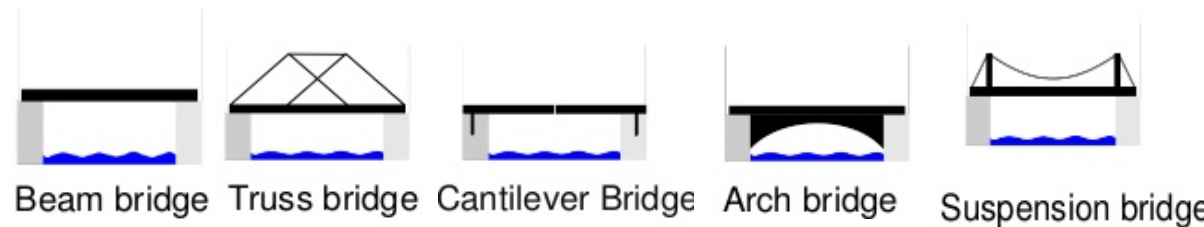
Belt sander

Safety glasses

2. Spelling list

These words are commonly misspelt in lessons				
Metal	Vice	Design	Tenon saw	Structure
Plastic	Try square	Safety	Glue	Bridge

3. Types of bridge <https://www.youtube.com/watch?v=oVOnRPefcno>



Beam bridge

Truss bridge

Cantilever Bridge

Arch bridge

Suspension bridge

4. Forces

Name of force	Definition	Example
Compression	A pushing or squashing force	Mattress springs
Tension	A pulling or stretching force	Tug of war rope
Torsion	A twisting force	Turning a screw
Shear	A cutting force caused by two forces in opposite directions very close together	Scissors
Bending	When two forces act in opposite directions	Beam bridge

How can I remember this information?

1. Get someone to quiz you
2. Write out 5 questions using this sheet and then answer them next day to see if you can remember them
3. Cover the keyword and guess the picture or definition

5. Classification of woods



Softwoods

- Coniferous trees
- Have needles
- Fast growing so cheaper
- Grow berries or fruits

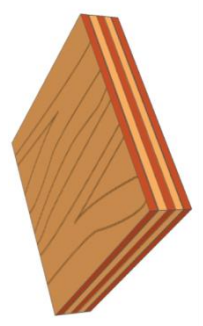
Pine, cedar and spruce



Hardwoods

- Deciduous trees
- Have broad leaves
- Slow growing so expensive
- Grow nuts or seeds

Oak, beech, mahogany



Manmade boards

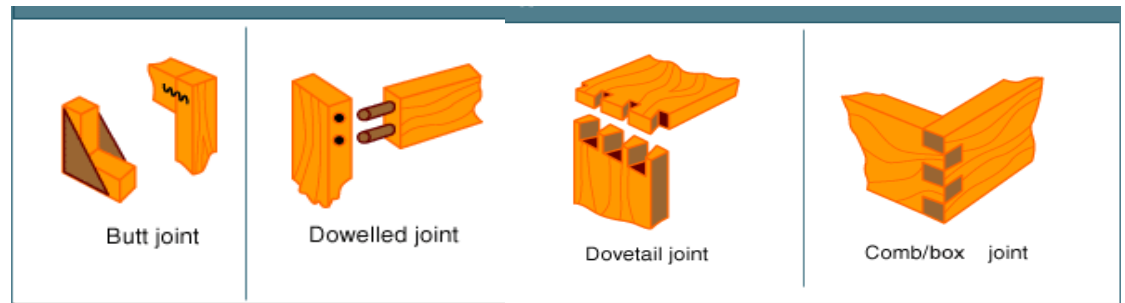
- Made in a factory
- Binds wood with a resin
- Comes in large sheets not planks

MDF, plywood, chip board

6. Wood words

Keyword	Definition
Grain	The lines along wood that can create a decorative look
Annual rings	Circular rings that indicate the age of tree
Knot	Small dark circles where a branch once grew
Warping	When wood has twisted in different directions
Splitting	When ends of wood have dried too quick and split
Cupping	When a plank of wood curves towards the centre

7. Traditional wood joints



8. Design movements

Design	Style	Design	Style
Art nouveau 1890-1910	Nature, whiplash curves, female form	Modernism 1920-30	Form follows function, minimalism, chrome
Art Deco 1920s	Geometric shapes, Egypt, symmetry	Pop 1950-60s	Popular culture, comics, vibrant, colourful
De Stijl 1917-31	Linear, primary colours, black, white	Memphis 1980s	Unusual, patterns, bright colours