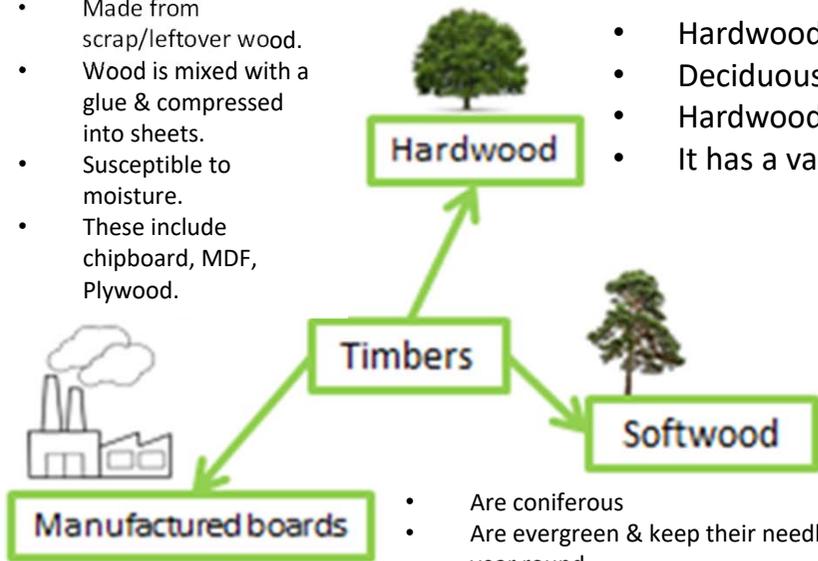


Knowledge Organiser: Year 7 Timbers: 'Trinket Box'

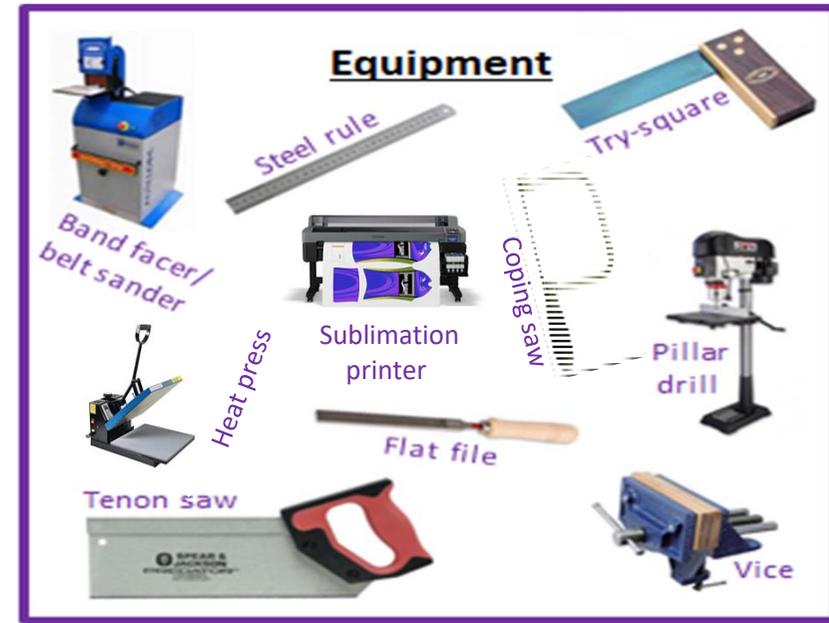
- Made from scrap/leftover wood.
- Wood is mixed with a glue & compressed into sheets.
- Susceptible to moisture.
- These include chipboard, MDF, Plywood.



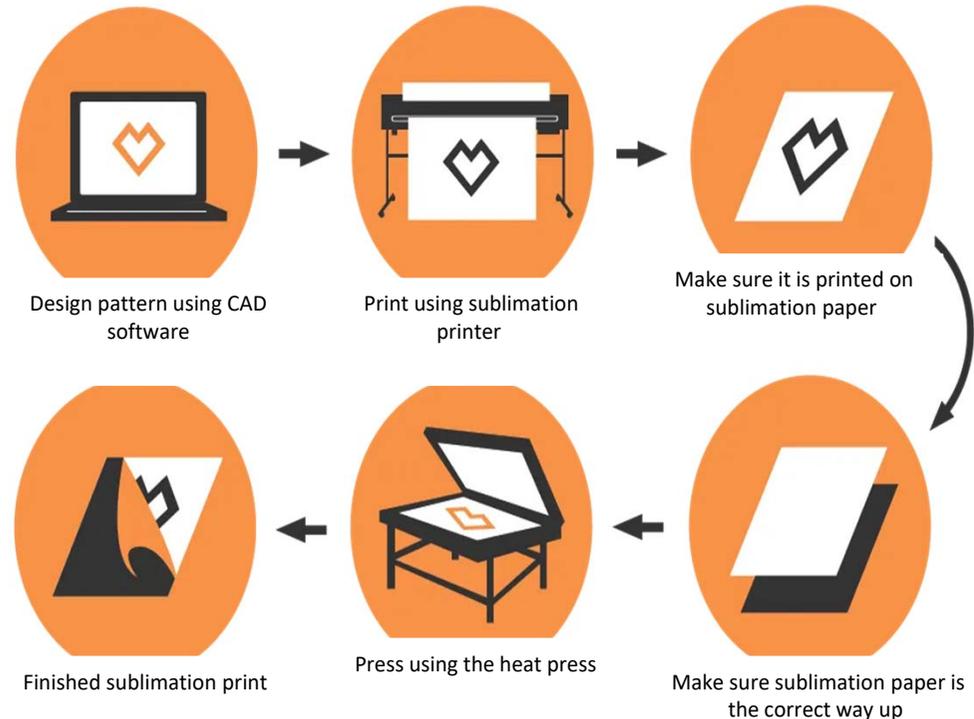
- Hardwood comes from deciduous trees.
- Deciduous trees drop their leaves.
- Hardwood is slower growing & expensive.
- It has a variety of grains & colours.

Hardwoods
oak, ash, mahogany, balsa
Softwoods
pine, fir, redwood, spruce
Manufactured boards
chipboard, plywood, MDF

- Are coniferous
- Are evergreen & keep their needles all year round.
- Softwood trees grow faster than hardwood, making it cheaper
- It is the most sustainable form of timber.



Sublimation printing:



Ps

CAD

Computer aided design allows the designer to draw and model the product before manufacturing. It is quick, work can be saved to PC, accurate drawings can be made and reproduced. However disadvantages could be job losses, unsaved files and training costs.





Knowledge Organiser: Year 7 Timbers: 'Trinket Box'

Health & Safety in Product Design

- Make sure all bags and blazers are stored on the pegs
- Always listen to the teacher's instructions.
- Ensure hair is tied back when using any equipment & machines.
- Always wear and use the proper safety equipment for personal protection (e.g. aprons, goggles, gloves, etc).
- No drinks near the machines.
- Tidy away all equipment at the end of each lesson.

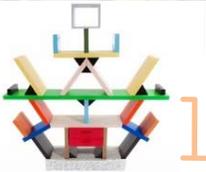
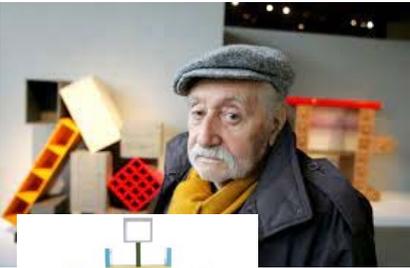


Ettore Sottsass

His style was defined by bright colour choices, statement pieces and decoration.

He was an Italian architect and designer during the 20th century. His work included furniture, jewellery, glass, lighting, home objects and office machine design, as well as many buildings and interiors. His style was defined by bright colour choices, statement pieces and decoration.

1917-2007

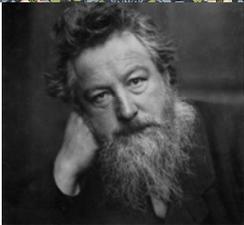


William Morris

1838-1896

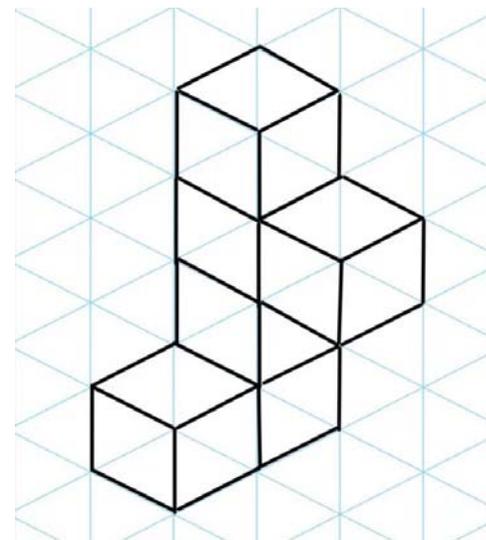
His style is colourful, soft sweeping lines, natural things like, plants & animals. Ornate & fancy drawings that have been replicated for hundreds of years.

He was a British textile designer, poet, artist & novelist associated with the British Arts and Crafts Movement. He was a major contributor to the revival of traditional British textile arts & craft movement & is very well known for his ornate wallpaper designs!



Key Terms

design brief	An outline of the project / what the task is.
specification	A specification is a list of points that are specific requirements of a product.
existing products	Products that have already been made and sold by other people
sublimation printing	A method of printing that transfers a design into a material or fabric using ink and heat.
inspiration	Taking ideas from something else and incorporating them into your designs.
evaluate	To judge the quality of a finished product
CAD	Computer aided design – using a computer programme to design
CAM	Computer aided manufacture – using a computer to control machines when making



What is isometric drawing?

Isometric drawing is a form of 3D drawing, which is set out using 30-degree angles. This type of drawing shows 3 sides of the same object – the front, top and side. They are sometimes called isometric projections, are a good way of showing measurements and how components fit together.