



Everybody Wants To Rule The World

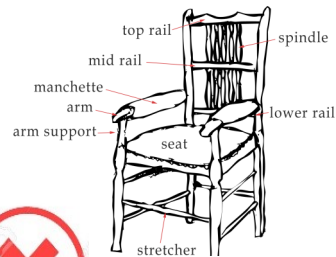
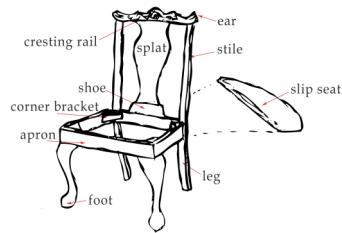


How can I use tools effectively to measure, cut and join materials to make a chair?

Are all chairs the same?

- All chairs are used for sitting, but *different chairs serve different purposes.*
- The **structure and materials** used to make the chair contributes *to the purpose* e.g. school chairs are plastic because:
 - ⇒ It is a material that can be easily wiped down if there are any accidents or spillages
 - ⇒ It is a **cheaper material** as schools need to buy lots
 - ⇒ *They are designed to be stacked away* so the cleaners can clean more effectively.

How can I design an appealing, functional, wooden chair?



What tools will I use to cut and join my materials together?

Hacksaws and cutting block to cut the wood safely.
Glue gun to join the wood together, or other materials such as felt and sponge (for the seat).
Ruler and knife to measure and cut materials.
Hammer and nails to join the wood together for a *more fixed, permanent structure.*

How will I make sure I am using the equipment safely?

Do not walk around the classroom when you or your team are using the tools.
Make sure you keep your fingers and hands away from sharp blades.
Ensure you keep your fingers and thumbs away from hammers.

Key Vocabulary

Annotated sketches—a detailed sketch with labels
Cross-sectional — a surface or shape exposed by making a straight cut
Exploded diagram—a technical drawing showing how parts fit together.
Functional - the product is fit for purpose.
Appealing—the product looks good.

Health and Safety



Do's

- Keep your hands away from hacksaws when cutting wood
- Keep your fingers away from the hammer when fixing with nails.
- Stand up with your chair pushed in when cutting or hammering.

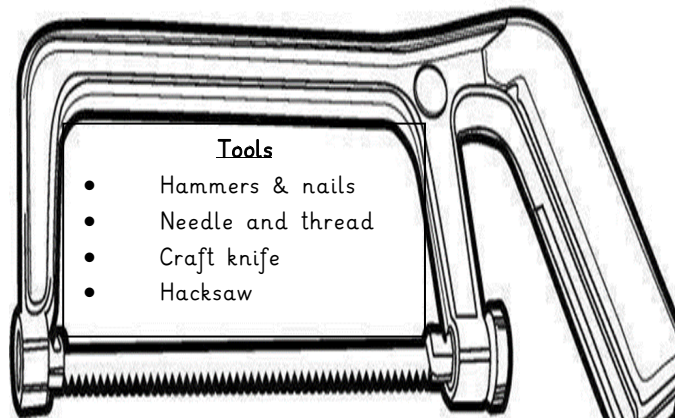


Don'ts

- Walk around the classroom.
- Shout out in class. It needs to be a clam atmosphere
- Touch the blade on the hacksaw.
- Forget to wear your safety goggles!

Tools

- Hammers & nails
- Needle and thread
- Craft knife
- Hacksaw



Applying past knowledge:

This learning links to your learning from year 5 when you used saws to cut and glue guns to join the dowel rods to the cams.