

Ideas For a Wooden Model Vehicle

- Consider Appropriate Vehicles that would translate easily into a simplified wooden model.
- Consider the full range of possibilities – From road, to rail, to water, under water, in the sky, beyond the sky!

Designing and Making a Wooden vehicle

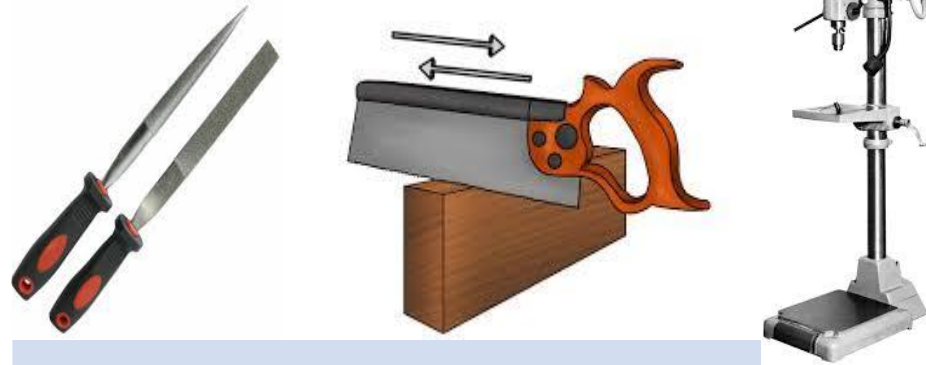


Year 8 Design & Technology

Skills - Marking and Cutting out Wood. Using a Tenon saw, a Pillar Drill and a metal file to shape and smooth the edges.

Use a ruler to measure and a 'Try-Square' to mark 90 degree lines.

Grip the wood to the bench using a G-Clamp and a wooden cutting board



Use the metal file to correct any shapes where cutting may have gone a little off course.

Use the metal file and sandpaper to ensure that all edges are smooth.

Choose appropriate colours and paint your model carefully allowing each colour to dry.

Keywords

Pillar Drill
Try-Square
Tenon Saw
G-Clamp
Metal File
Sand Paper

Words and Definition

Design Specification – What your product will be and what it will do.
Evaluation – Testing and deciding how good your final result (product) is.

Market research

Gathering information about consumer's needs and preferences.

Initial Designs -

A number of drawings to develop ideas.

Final Design (Should be created in Orthographic Projection)

A careful drawing of the product to be constructed showing colours and detail.

Evaluating Results

Does the product function well as a model?

- Does it work well aesthetically?
- Are the colours carefully considered?
- Is there an appropriate level of detail?
- If the Vehicle has wheels and other moving parts – Do they move freely?
- Are the parts of the vehicle cut to the shapes intended on the design?
- Are the parts smoothed and finished to a good standard?