

Name that tool

Try Square

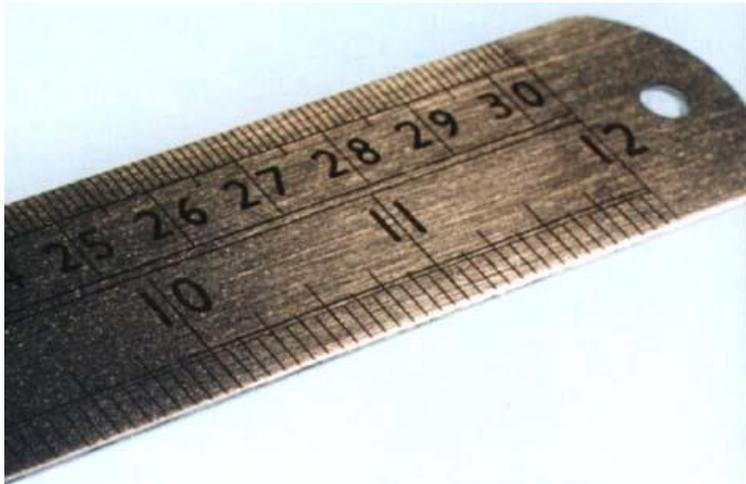
- This is used to mark lines at 90 degrees to a straight edge.
- It is used to mark out lines square to the face edge and face side.
- It may also be used to check if edges are straight. If the try square is placed on the edge of the material and held up to a light, any light shining through between the material and the try square blade indicates that the edge of the material is not straight.



Name that tool

Steel Rule

- A **steel rule** is a very accurate marking and measuring tool. The steel is thin and the markings on the rule are very fine.
- The measurements are in millimetres on one edge and inches on the other.
- The steel rule can also be used as a straight edge to check if materials or edges of materials are straight.
- The measurements on the steel rule go all the way to the end unlike the plastic ruler. This is because the rule may be used to measure inside pipes. It may also be used to measure diameters and circumferences of pipes and tubes accurately. The end of the rule with the measurements to the edge is called the **zero end**.



Name that tool

A Marking Gauge

- The marking gauge is used on wood.
- It is used to mark straight lines parallel to a straight edge.
- The marking tool has an adjustable stock (the stock slides up and down the stem) and is set using a steel rule.
- When in use the stock must be pressed tightly against the face edge of the material. It is pushed away from the body with the spur (back end of the pin) inclined at an angle. The point should leave a narrow groove along the face surface.



Name that tool

A Coping Saw

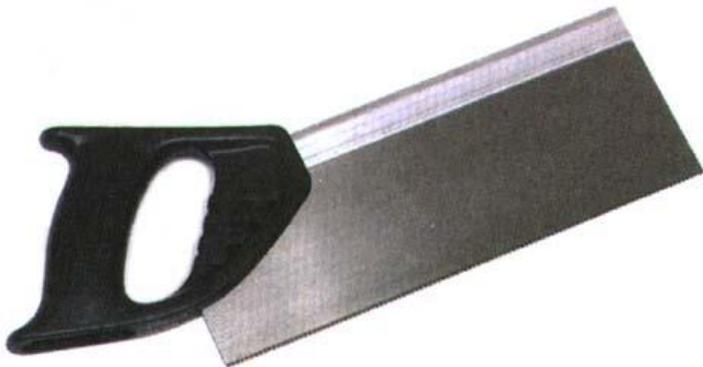
- Coping saws are used to remove complicated shapes and cut curves in woods and plastics.
- The blade is held in a frame and may be easily replaced if broken.
- The teeth of the blade point backwards towards the handle.
- The saw cuts on the pull stroke and not on the forward stroke. This is because the blade is too flexible to be pushed.
- The blade can be angled in the frame if the frame gets in the way when cutting larger sheet materials.



Name that tool

A Tenon Saw

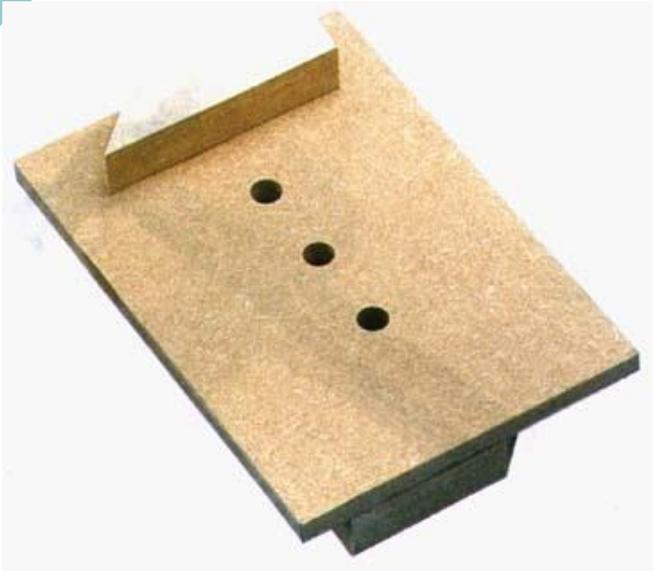
- Tenon saws are used to cut straight cuts in wood and some plastics.
- This type of saw has a stiff back and is suitable for detailed cuts.
- The saws without this type of stiff back are more flexible and are designed to cut large panels.
- The tenon saw is generally used to cut woodwork joints.



Name that tool

A bench hook.

The tenon saw is used in conjunction with the bench hook. The bench hook is used to support the piece of wood whilst it is being cut. It hooks onto the edge of a desk and is held by the vice.



Name that tool

A Panel Saw

Large panels or sheets of materials for example plywood or M.D.F require larger rip saws in order to cut them by hand.



Sheets that are small enough may be held in the vice whereas larger sheets may need to be supported on special types of portable carpenter's supports called trestles.