

Safe use of elementary tools: General wood: Industrial Technology

In this activity you will learn about responsible and safe use of a range of tools, materials and techniques in design projects.

This material addresses aspects of the following syllabus outcomes:

- 5.1.1 A student identifies, assesses and manages the risks and OH&S issues associated with the use of a range of materials, hand tools, machine tools and processes.

Extract from: Years 7–10 Industrial Technology Syllabus © Board of Studies NSW 2003.

Safe use of elementary tools

Prior to actually working on materials with elementary tools you need to take certain precautionary steps when setting up. This activity looks at safe use procedures and how they apply to some basic wood working tools.



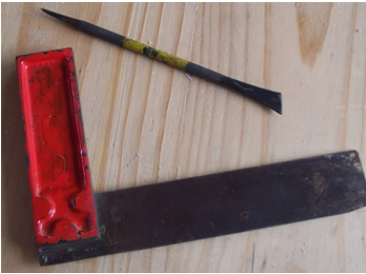


Activity: Safe use procedures

Drag and drop the appropriate procedures from the list below and insert them into the table next to the tool you would be using. Some may be able to be used for more than one tool.

Safe use procedures:

- Check the stock is firmly against the timber edge or face.
- Keep hands away from the edge of the square in case the marking knife slides up the blade.
- Check that the handle is not loose or cracked.
- Check that the teeth are in a safe condition prior to starting the cut.
- Check correct PPE is worn.
- Check the cutting edge for gaps and irregularities.
- When using a chisel to remove waste only use a timber mallet.
- Check the adjustment of the blade and depth of cut by looking down the sole.
- Never run fingers across the blade gap as the blade may cause injury.
- Use a *pistol grip*. See tenon saw image below.

- Use waste material on top of the work to prevent bruising and/or crushing of the timber.
- Never leave heavy equipment near the edge of the bench in case it falls and causes a foot injury.
- Return to racks when finished.
- Use the correct grip around the blade to avoid injury.
- Keep all parts of the body behind the cutting edge.
- Hold both handles firmly when in use.

Tool	Safe use procedures
Marking knife and try square 	<hr/> <hr/> <hr/> <hr/> <hr/>
Tenon saw 	<hr/> <hr/> <hr/> <hr/> <hr/>
Chisel 	<hr/> <hr/> <hr/> <hr/> <hr/>

Jack plane



G-cramp or sash cramp