

## OH&S risk management: General wood 2: Industrial Technology

In this activity you will learn about OH&S risk management, in particular identifying the minimum personal protective equipment requirements for different equipment.

This material addresses aspects of the following syllabus outcomes:

- 4.1.1 A student identifies and applies fundamental OH&S principles when working with materials tools and machines.
- 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.*


### The range of potential hazards in the work environment

Before beginning any task in a technology classroom particularly if it involves the use of power tools or machinery, it is very important to be able to:

- recognise and safely use specific hand and power tools, materials, finishes and equipment
- use personal protective equipment (PPE) when using a range of materials, tools and machines
- identify simple first aid procedures.

### Activity: Identify appropriate personal protective equipment

Examine the workshop tasks on the next page, then identify and record in the table the minimum PPE you would need to wear in order to safely carry out the task listed.

<b>Overalls</b> 	<b>apron</b> 	<b>face mask with filtration canister(s)</b> 	<b>hair restraint</b> 	<b>dust mask</b> 
<b>sandals</b> 	<b>enclosed leather shoes</b> 	<b>safety glasses</b> 	<b>rubber gloves</b> 	

Practical task	Minimum PPE requirements
<b>Sanding:</b> a) Using an orbital sander.	
<b>Drilling:</b> a) Using an electric portable drill.	
b) Using a cordless drill.	
c) Using the drill press.	
<b>Turning:</b> a) Using a lathe to turn between centres.	
<b>Finishing:</b> a) Applying stain and lacquer to a completed project.	