



ASSESSMENT GUIDE

Unit Standard 17138 (v2)
Use portable power tools in joinery work
Level 3, 5 credits

COMMENTS

This unit will involve a project and associated knowledge content

Range: (minimum range, and not limited to)

- a) portable electric tools – circular saw, jig saw, planer, laminate trimmer.
- b) portable pneumatic tools – jig saw, drill, screwdriver, nail and staple gun, laminate trimmer, sanders, pop rivetter, router.

KNOWLEDGE CONTENT

Knowledge of portable power tools used in the joinery industry

Knowledge for which power tools are to be used for which process/jobs

Correct and safe use of portable power tools

SKILL CONTENT

- Safe use of portable power tools for joinery
- Identify and select the portable power tool for a specific purpose
- Set up the tool for its intended use
- Project to include safe use of appropriate power tools for the joinery industry
- Projects will reflect current skill level of trainees.

Unit Standard 17138
Use portable power tools in joinery work
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Purpose:

People credited with this unit standard are able to select, set up, use and maintain pneumatic and electric powered portable power tools to perform joinery processes and complete routine maintenance of pneumatic and electric powered portable power tools.

Element 1: Select and use pneumatic and electric powered portable power tools to perform joinery processes.

	Performance Criteria	Skill	Knowledge
1.1	Portable power tool selection and set up meet requirements of the work and conform with manufacturer's recommendations	Explain the limitations of each power tool in terms of maximum and minimum work capacity, safe working loads and conditions, and accuracy and finish possible. Set up tools in compliance with the HASE Act and electricity regulations as appropriate, with attention to personal safety protection for the operator and with provision for safety of others in the work area.	Correct hand tools are selected for specific tasks.
1.2	Power source and protective device set up meets the requirements of the Health and Safety in Employment Act 1992, and the Electrical Regulations 1993		
1.3	Portable power tools are used in accordance with the manufacturer's recommendations		

Element 2: Complete routine maintenance of pneumatic and electric powered portable power tools.

2.1	Cutting edges and points are maintained to the manufacturer's recommendation	The tools are cleaned, maintained and adjusted correctly	Identify the requirements of the manufacturer's specifications or accepted trade practices as they apply to the care and maintenance of cutting edges and points.
2.2	Portable power tools are maintained in safe working condition Range: includes but is not limited to – free of rust and dirt, lubricated, in sound mechanical condition		
2.3	Power connections and safety features are maintained in accordance with manufacturer's recommendations.		
2.4	Damaged power tools and power transmission components are removed from service for repair or replacement	Demonstrate procedures for sharpening and maintaining hand tools including replacement of damaged or broken parts	