

Unit of Competency CPCCCA2002 Use carpentry tools and equipment

Application

This unit of competency specifies the skills and knowledge required to select and safely use and maintain carpentry tools and equipment, meeting all relevant requirements of national construction codes, Australian Standards, work health and safety (WHS), and Commonwealth and state or territory legislation.

The unit includes hand tools, power tools, pneumatic tools and equipment.

The unit is suitable for those with basic skills and knowledge undertaking routine work tasks under the direction of more experienced workers.

Completion of the general construction induction training program specified by the model Code of Practice for Construction Work is required for any person who is to carry out construction work. Achievement of *CPCCWHS1001 Prepare to work safely in the construction industry* meets this requirement.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Prerequisite Unit

CPCCWHS2001 Apply WHS requirements, policies and procedures in the construction industry.

Elements and Performance Criteria

1. Plan and prepare.	<div>1.1 Review work instructions to use tools and equipment.</div> <div>1.2 Plan all work to comply with laws and regulations, national construction codes, Australian Standards, work health and safety (WHS) and environmental requirements, manufacturers' specifications and workplace requirements.</div> <div>1.3 Select and use personal protective equipment (PPE) for each part of the task.</div> <div>1.4 Inspect work site, locate services, assess hazards and apply risk controls, including required signage and barricades.</div>
2. Select, check and use tools and equipment.	<div>2.1 Select equipment and hand, power and pneumatic tools for the carpentry task, identify their functions and operations, check for serviceability and report any faults.</div> <div>2.2 Use equipment and hand, power and pneumatic tools following WHS requirements and manufacturers' recommendations.</div> <div>2.3 Sharpen and maintain tools.</div>
3. Clean up.	<div>3.1 Clean up, meeting all legislative and workplace requirements for safety, waste disposal and materials handling.</div> <div>3.2 Check, maintain, store and secure tools and equipment and report any faults.</div>

Foundation skills

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Unit Mapping Information

Supersedes and is equivalent to CPCCCA2002B Use carpentry tools and equipment.

Links

Companion Volume Implementation Guide:

<https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=7e15fa6a-68b8-4097-b099-030a5569b1ad>

Assessment Requirements for CPCCCA2002 Use carpentry tools and equipment

Performance Evidence

To demonstrate competency in this unit, a candidate must safely and effectively, across three different carpentry tasks, use and maintain all of the listed tools and equipment at least once:

- hand tools:
 - retractable tape measure
 - folding or steel ruler
 - combination square
 - string line
 - chalk line
 - hand saw
 - coping saw
 - carpenters hammer / claw hammer
 - wood chisel
 - hand plane
 - trimming knife
 - clamps
 - bevels
 - spirit level
 - tin snips
- power/battery/pneumatic tools and equipment:
 - circular saw
 - reciprocating saw
 - sliding compound saw
 - jigsaw
 - angle grinder
 - planer
 - laminate trimmer or router
 - drill
 - rotary hammer drill
 - impact driver
 - nail gun
 - bench grinder
 - extension lead
 - portable residual current device
 - air compressor and hoses.

The candidate must also:

- replace blades/cutters/grinding discs in:
 - a power saw

- o a powered planer
 - o a router
 - o grinder
- grind, sharpen and hone a hand plane blade
- grind, sharpen and hone a chisel.

Knowledge Evidence

To be competent in this unit, a candidate must demonstrate knowledge of:

- workplace quality policies and standards for using carpentry tools and equipment
- safety requirements for using carpentry tools and equipment
- types of tools and equipment and their characteristics, uses and limitations:
 - o hand tools including:
 - retractable tape measure
 - folding or steel ruler
 - combination square
 - spirit level
 - string line
 - chalk line
 - hand saw
 - coping saw
 - carpenters hammer/claw hammer
 - wood chisel
 - hand plane
 - metal trimming knife
 - clamp
 - bevel
 - tin snips
 - o power/battery/pneumatic tools and equipment:
 - bench grinder
 - circular saw
 - reciprocating saw
 - sliding compound saw
 - jigsaw
 - angle grinder
 - mobile plane
 - laminate trimmer or router
 - drill
 - rotary hammer drill
 - impact driver
 - nail gun
 - extension lead
 - portable residual current device
 - air compressor and hoses
- processes to safely grind, sharpen and hone a hand plane blade and a chisel.

Assessment Conditions

Assessors must meet the requirements for assessors contained in the Standards for Registered Training Organisations.

This unit must be assessed in the workplace or a close simulation using realistic workplace conditions and standards, materials, activities, responsibilities, procedures, safety requirements and environmental considerations.

Links

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