

<b>Title</b>	<b>Identify, select, use and maintain portable power tools for BCATS projects</b>		
<b>Level</b>	<b>2</b>	<b>Credits</b>	<b>6</b>

<b>Purpose</b>	<p>This unit standard has been designed to be achieved in a building, construction and allied trades skills (BCATS) programme.</p> <p>People credited with this unit standard are able to: identify, describe, select, use and maintain portable power tools for the construction of BCATS projects.</p>
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<b>Classification</b>	Construction Trades > Building, Construction, and Allied Trades Skills
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<b>Available grade</b>	Achieved
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## Guidance Information

- Definitions**

*BCATS environment* refers to any workplace or context where work or activities related to the building, construction and allied trades sector take place, such as school workshops, training establishments, outdoor areas and industry placement workplaces.

*BCATS project* refers to a project undertaken in a BCATS environment under general supervision, using a range of tools, equipment and materials, and involving standard processes.

*Portable power tools* refers to electric power tools and pneumatic and battery powered tools that are not fixed and can be carried and used in the hands.

*Workplace practice* refers to the procedures specific to a BCATS environment, which cover the standard and required practices of that environment.
- Assessment against this unit standard may occur in any BCATS environment.
- Information supporting assessment decisions should, wherever possible, be collected naturally as the BCATS projects progress.
- Health and Safety note for schools:**

It is expected that teachers take into consideration *Safety in Technology Education: A Guidance Manual for New Zealand Schools 2017* and any subsequent versions of this document, available from Ministry of Education website (<https://education.govt.nz>).

- 5 Legislation relevant to this unit standard includes:  
Health and Safety at Work Act 2015;  
Health and Safety at Work Regulations 2016.

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## Outcomes and performance criteria

### Outcome 1

Identify, describe safe use, and select, portable power tools for BCATS projects.

Range eight portable power tools used for BCATS projects.

#### Performance criteria

- 1.1 The capabilities and limitations of portable power tools are identified in terms of the manufacturers' instructions for use.
- 1.2 Use of tools is described in terms of work operations to be completed.
- 1.3 Safe use of each tool is described in accordance with manufacturer's instructions and work place safety requirements.
- 1.4 Power tools are selected to meet identified job requirements.
- 1.5 The description identifies methods of safeguarding selected portable power tools in accordance with the manufacturers' instructions.
- 1.6 Items of personal protective equipment for each tool are identified and described in terms of work place safety requirements.

### Outcome 2

Use portable power tools for the construction of BCATS projects.

Range four portable power tools used for BCATS projects.

#### Performance criteria

- 2.1 All electrical cords and connections are inspected, set up and used in accordance with manufacturer's instructions and workplace practice.
- 2.2 Tools are used to complete work to meet job requirements.
- 2.3 Tools and personal protective equipment are used in accordance with manufacturers' instructions for use, materials and workplace safety requirements.

**Outcome 3**

Maintain portable power tools.

**Performance criteria**

- 3.1 Maintenance procedures are demonstrated in accordance with manufacturers' instructions and workplace practice.
- 3.2 Tools are kept free of rust and dirt, and are stored and maintained in accordance with manufacturers' instructions and workplace practice.
- 3.3 Damaged or faulty tools are reported to supervisor in accordance with workplace practice.

<b>Replacement information</b>	This unit standard replaced unit standard 12928.
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<b>Planned review date</b>	31 December 2023
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**Status information and last date for assessment for superseded versions**

Process	Version	Date	Last Date for Assessment
Registration	1	14 December 2007	31 December 2018
Rollover and Revision	2	20 October 2016	31 December 2020
Review	3	1 November 2018	N/A

<b>Consent and Moderation Requirements (CMR) reference</b>	0048
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

**Comments on this unit standard**

Please contact the Building and Construction Industry Training Organisation [national.office@bcito.org.nz](mailto:national.office@bcito.org.nz) if you wish to suggest changes to the content of this unit standard.