

40553 Use power tools for a BCATS project

Kaupae Level	2
Whiwhinga Credit	5
Whāinga Purpose	<p>This skill standard is for people intending to develop basic skills and knowledge relevant to various building, construction, and allied trades contexts.</p> <p>This skill standard recognises the skills to select, use, and maintain power tools in a project for building, construction, and allied trades.</p> <p>This skill standard aligns with the New Zealand Certificate in Building, Construction, and Allied Trades Skills (Level 2) [Ref: 3844].</p>

Hua o te ako me Paearu aromatawai | Learning outcomes and assessment criteria

Hua o te ako Learning outcomes	Paearu aromatawai Assessment criteria
1. Use power tools for a BCATS project.	a. Appropriate power tools are chosen to meet the requirements from project documentation.
	b. Power tools are set up and used with a safe and appropriate technique to meet the project requirements.
	c. Personal protective equipment for the use of power tools is selected and used to meet requirements of the project and health and safety controls in the BCATS environment.
	d. Tools are inspected, maintained, and stored appropriately to maintain cleanliness and functionality.

Pārongo aromatawai me te taumata paearu | Assessment information and grade criteria

Assessment specifications:

Candidates must demonstrate competence using power tools to shape, join and finish components while undertaking at least one project. Projects at this level can be prescribed, with a focus on industry entry-level skills, using a range of techniques and tools to achieve the project requirements.

Power tools refer to electric power tools and pneumatic and battery powered tools that are not fixed and can be carried and used in the hands. They may include battery operated drill, brad gun, buffer, disk grinder, disk sander, domino/biscuit jointer, electric drill, electric impact driver, handheld belt sander, handheld precision grinder, hot-air gun, laminate trimmer, jigsaw, nail gun, nibbler, orbital sander, polishing machine, router, skill saw, soldering iron.

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

Inspection of power tools may include safety checks, checking that power cables are fit for use, batteries are charged, appropriate tool settings for the task, tool parts are in place and operational.

Maintenance of power tools may include wiping down tools after use, changing dust bags, ensuring vents are not clogged, changing sandpaper, checking cables, checking cutters are sharp, charging batteries, and the reporting of damaged or faulty items. It should be carried out under the supervision of a competent person.

Ngā momo whiwhinga | Grades available

Achieved / Merit / Excellence.

Paetae Achieved	Kaiaka Merit	Kairangi Excellence
Use power tools for a BCATS project.	Use power tools effectively for a BCATS project.	Use power tools skilfully for a BCATS project.

Kaiaka | Merit: Effectively refers to consistently ensuring tools are used, stored and maintained appropriately and safely.

Kairangi | Excellence: Skilfully refers use of tools producing precise and accurate results while ensuring safety and optimal functionality.

Ihirangi waitohu | Indicative content

Use of power tools

- Personal protective equipment (PPE) required for the use of each power tool.
- Capabilities and limitations of a range of power tools.
- Safe practices for the use of tools.
- Methods of safeguarding power tools.
- Electrical safety.
- Power sources.
- Clamping items securely to work benches when using routers or jigsaws.

Procedures after use of power tools

- Maintenance tasks, such as changing blades.
- Routine vs scheduled maintenance.
- Safe storage requirements.

Rauemi | Resources

BCATS Programme Guidance, available from qualifications@waihangaararau.nz.

Pārongo Whakaū Kouna | Quality assurance information

Ngā rōpū whakatau-paerewa Standard Setting Body	Waihanga Ara Rau Construction and Infrastructure Workforce Development Council
Whakaritenga Rārangi Paetae Aromatawai DASS classification	Planning and Construction > Construction Trades > Building, Construction, and Allied Trades Skills
Ko te tohutoro ki ngā Whakaritenga i te Whakamanatanga me te Whakaōritenga CMR	0120

Hātepe Process	Putanga Version	Rā whakaputa Review Date	Rā whakamutunga mō te aromatawai Last date for assessment
Rēhitatanga Registration	1	29 May 2025	N/A
Kōrero whakakapinga Replacement information	This skill standard replaced unit standard 24350.		
Rā arotake Planned review date	31 December 2030		

Please contact Waihanga Ara Rau Construction and Infrastructure Workforce Development Council at qualifications@waihangaararau.nz to suggest changes to the content of this skill standard.