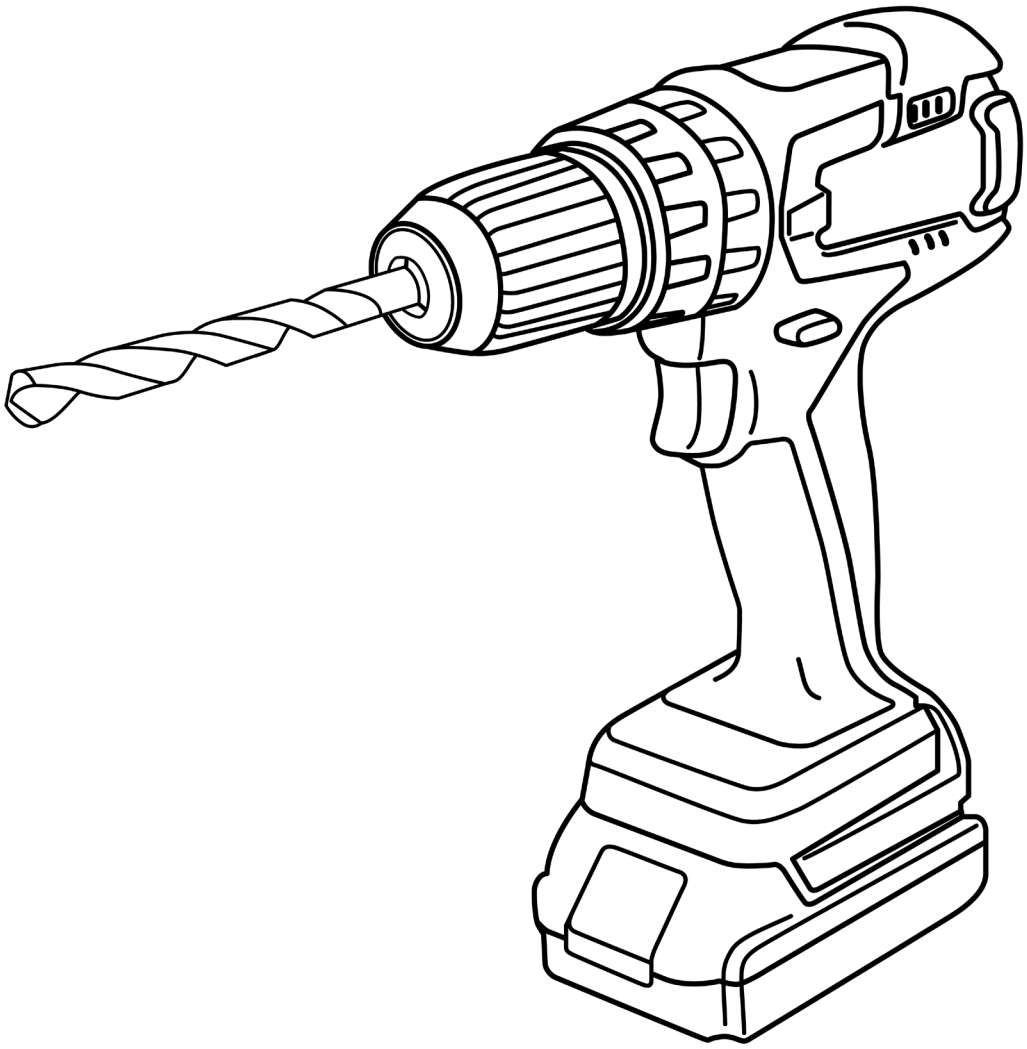
BCATS
BUILDING, CONSTRUCTION AND ALLIED TRADES SKILLS

Basic power tools

Assessment resource

Level 1



5 credits

Skill Standard 40543 (v1)

Use basic power tools for a BCATS project or related tasks

Learner name: _____

BCATS project: _____

BCITO
He Hunga Hanga Mātou
building people

Assessment: Basic power tools

Learner instructions

This assessment is about using basic power tools for a BCATS project.

You need to show you can:

- choose the best basic power tools for different project tasks
- set up and use basic power tools safely and skilfully for project tasks
- care for basic power tools after use.

Over the page, you will see what you need to do for this assessment.



Your teacher will observe you using basic power tools. They will provide comments in this assessment resource as evidence to support their observations.

You will need to provide the following evidence to support this. Submit it using myBCITO or the process at your school/organisation.



A completed *Identify basic power tools* worksheet (pg. 3 in this assessment resource).



Record of cleaning and checks you completed for the tools you used (based on the process at your school/organisation).

Record of your storage procedures for power tools you used.



Photos that clearly show you using power tools for different project tasks, and the PPE you wore when you were using them (optional).

It is a good idea to use the assessment checklist in this assessment resource to keep track of the evidence you have collected.

The grade you are awarded will be based on your ability to select ideal basic power tools for project tasks and use them safely and skilfully.

Worksheet: Identify basic power tools

For this assessment activity, you need to identify ideal basic power tools that you would use for BCATS project tasks. It is an open book activity.

Being able to choose the right tools is an important skill in the BCATS workplace.

In the table below:



- choose the best basic power tool for each of the tasks listed
- explain why you chose each tool.

An example answer has been given.

Project task	Tool	Reason for choosing the tool
Example: Stripping paint from re-purposed timber.	*Heat gun*	*The heat gun softens the paint and makes it blister and flake off the timber.*
Making pilot holes into timber.		
Cutting a curved shape out of a timber panel.		
Preparing a timber desktop for staining.		
Fixing decking timber with 65mm screws.		
Cleaning up dust and debris.		

Use basic power tools

You need to show you can do these things for your project without being prompted.

- Choose the best basic power tools for your project tasks.
- Use appropriate PPE for the power tools you chose.
- Set up the power tools according to the manufacturer's instructions.
- Use the power tools safely and skilfully to complete project tasks.

Your teacher will observe you using basic power tools throughout the project.

Below is a guide to the other evidence you need to collect during your practical work. You should work with your teacher to make sure you've provided everything needed.

Photos that clearly show you using the basic power tools for different project tasks, and the PPE you wore when you were using them (optional).

Care for basic power tools

You need to show you can do these things for your project without being prompted.

- Disconnect the power tools from power sources after use.
- Clean the tools you used thoroughly and check to make sure there are no issues
- Safely store the basic power tools well clear of power sources between uses.

Your teacher will observe you caring for the basic power tools while you are working on your project.

Below is a guide to the other evidence you need to collect during your practical work. You should work with your teacher to make sure you've provided everything needed.

Record of cleaning and checks you completed for the tools you used (based on the process at your school/organisation).

Record of your storage procedures for power tools you used.

Assessment checklist: Basic power tools

To be completed by the learner and the teacher.

Assessment activity	Evidence needed	Date all evidence collected (Learner to complete)	Teacher sign-off
Identify basic power tools	A completed *Identify basic power tools* worksheet.		
Use basic power tools	Photos that clearly show you using basic power tools for different project tasks, and the PPE you wore when you were using them (optional).		
Care for basic power tools	Record of cleaning and checks you completed for the tools you used.		
	Record of your storage procedures for power tools you used.		
Note: A copy of the project instructions must also be included in your overall portfolio of evidence.			

Teacher observation: Basic power tools

Learner name: Project:

Teacher instructions

Below are criteria for the available grades.

Not Achieved	Achieved	Merit	Excellence
Basic power tools are not used appropriately for a BCATS project or related tasks.	Use basic power tools for a BCATS project or related tasks.	Use basic power tools effectively for a BCATS project or related tasks.	Use basic power tools skilfully for a BCATS project or related tasks.



Provide comments on the learner's ability to meet the following assessment criteria, considering everything you observed throughout the project.

Appropriate basic power tools for different BCATS project tasks are identified.	
Appropriate PPE is used for project tasks undertaken using basic power tools.	
Basic power tools are chosen, set up and used safely for project tasks.	
Basic power tools are cleaned, checked and stored appropriately after use.	

Grade awarded: Basic power tools

Teacher instructions

After considering all the evidence collected, enter the grade you will award for Skill Standard 40543, with comments that explain your decision.

Final grade		**Date**	
Justification for final grade (Provide overall comments, considering all evidence collected)			

Teacher and learner sign-off

		Date
Learner signature (Grade received and accepted)		
Teacher sign-off	Name: _____ Signature: _____	