

<b>Title</b>	<b>Select, describe, use, and maintain tools for plumbing and drainlaying projects</b>		
<b>Level</b>	<b>2</b>	<b>Credits</b>	<b>4</b>

<b>Purpose</b>	<p>This unit standard has been designed to be achieved in a plumbing and/or drainlaying context.</p> <p>People credited with this unit standard are able to:</p> <ul style="list-style-type: none"> <li>– select and describe hand tools for plumbing or drainlaying projects;</li> <li>– use hand tools for the completion of plumbing or drainlaying projects;</li> <li>– maintain plumbing and drainlaying hand tools;</li> <li>– select and describe portable power tools for plumbing or drainlaying projects;</li> <li>– use portable power tools for work on plumbing or drainlaying projects; and</li> <li>– maintain plumbing and drainlaying portable power tools.</li> </ul>
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<b>Classification</b>	Plumbing, Gasfitting and Drainlaying > Core Plumbing, Gasfitting, and Drainlaying
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<b>Available grade</b>	Achieved
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### Guidance Information

- 1 References  
Health and Safety at Work Act 2015;  
Health and Safety at Work Regulations 2016;  
and all subsequent amendments and replacements.
- 2 Definitions  
*Plumbing or drainlaying environment* – any workplace or context where work or activities related to the plumbing or drainlaying trades sector take place, such as school workshops, training establishments, outdoor areas, and industry placement workplaces.  
*Plumbing or drainlaying project* – a project undertaken in a plumbing or drainlaying environment under general supervision, using a range of tools, equipment and materials, and involving standard processes.  
*Workplace practice* – procedures specific to a plumbing or drainlaying environment, which cover the standard and required practices of that environment.
- 3 Assessment against this unit standard may occur in any plumbing or drainlaying environment.

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## Outcomes and performance criteria

### Outcome 1

Select and describe hand tools for plumbing or drainlaying projects.

#### Performance criteria

- 1.1 Select hand tools to meet identified job requirements.
- 1.2 Describe use of hand tools in terms of work operations to be completed.
- 1.3 Describe the safe use of each hand tool.
- 1.4 Describe the capabilities and limitations of hand tools in terms of manufacturer instructions for use.

### Outcome 2

Use hand tools for the completion of plumbing or drainlaying projects.

Range at least three different hand tools used across three plumbing or drainlaying projects.

#### Performance criteria

- 2.1 Use hand tools to complete work in accordance with job requirements.
- 2.2 Use hand tools in accordance with manufacturer instructions, materials being worked, and work process requirements.
- 2.3 Use hand tools in compliance with workplace safety requirements.

### Outcome 3

Maintain plumbing and drainlaying hand tools.

Range at least three different hand tools used across three plumbing or drainlaying projects.

#### Performance criteria

- 3.1 Keep hand tools free of rust and dirt, and store and maintain in accordance with manufacturer instructions and workplace practice.
- 3.2 Report damaged, blunt, or faulty hand tools to supervisor in accordance with workplace practice.

**Outcome 4**

Select and describe portable power tools for plumbing or drainlaying projects.

Range at least three different portable power tools used across three plumbing or drainlaying projects.

**Performance criteria**

- 4.1 Select appropriate portable power tools to meet identified job requirements.
- 4.2 Describe the capabilities and limitations of selected portable power tools in terms of the manufacturer instructions for use.
- 4.3 Describe the use of selected portable power tools in terms of work operations to be completed.
- 4.4 Describe the safe use of selected portable power tools in accordance with manufacturer instructions and work place safety requirements.
- 4.5 Describe methods of safeguarding selected portable power tools in accordance with manufacturer instructions.
- 4.6 Describe items of personal protective equipment required for each portable power tool in terms of work place safety requirements.

**Outcome 5**

Use portable power tools for work on plumbing or drainlaying projects.

Range three portable power tools used for plumbing or drainlaying projects.

**Performance criteria**

- 5.1 Inspect, set up, and use all electrical cords and connections in accordance with manufacturer instructions, any electrical safety (test/tag) requirements, and workplace practice.
- 5.2 Use portable power tools appropriately to complete work to meet job requirements.
- 5.3 Use portable power tools and personal protective equipment in accordance with manufacturer instructions for use, materials being worked, and workplace health and safety requirements.

**Outcome 6**

Maintain plumbing and drainlaying portable power tools.

**Performance criteria**

- 6.1 Demonstrate maintenance procedures in accordance with manufacturer instructions and workplace practice.
- 6.2 Keep portable power tools free of rust and dirt, and are store and maintain them in accordance with manufacturer instructions and workplace practice.
- 6.3 Report damaged or faulty portable power tools to supervisor in accordance with workplace practice.

<b>Replacement information</b>	This unit standard replaced unit standard 1120, unit standard 1121, unit standard 2136, and unit standard 2137.
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<b>Planned review date</b>	31 December 2022
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**Status information and last date for assessment for superseded versions**

Process	Version	Date	Last Date for Assessment
Registration	1	26 October 2017	N/A

<b>Consent and Moderation Requirements (CMR) reference</b>	0003
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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 Skills Organisation [reviewcomments@skills.org.nz](mailto:reviewcomments@skills.org.nz) if you wish to suggest changes to the content of this unit standard.