

<b>Title</b>	<b>Describe metals, and construct and install metal features for landscape work</b>		
<b>Level</b>	<b>4</b>	<b>Credits</b>	<b>5</b>

<b>Purpose</b>	People credited with this unit standard are able to: describe metals and their protective coatings used in landscape features; construct foundations, locate fixings, and complete installation requirements; and install metal features on prepared foundations.
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<b>Classification</b>	Horticulture > Landscape
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<b>Available grade</b>	Achieved
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### Guidance Information

- 1 Legislation relevant to this unit standard includes but is not limited to:
  - Hazardous Substances and New Organisms Act 1996;
  - Health and Safety at Work Act 2015;
  - Resource Management Act 1991;
  - and any subsequent amendments.
- 2 Definition  
*Workplace procedures* refer to the procedures and standards set by the client or employing organisation on erecting metal features and must be consistent with plans and specifications, and manufacturers guidelines.
- 3 Any work carried out in playground areas must comply with the New Zealand Standard: NZS 5828:2015 *Playground equipment and surfacing*, available from <http://www.standards.govt.nz>.
- 4 All evidence presented in this unit standard must be in accordance with workplace procedures.

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### Outcomes and performance criteria

#### Outcome 1

Describe metals and their protective coatings used in landscape features.

**Performance criteria**

- 1.1 Describe types of metals commonly used in landscape features in terms of their characteristics, typical landscape uses, and limitations.
- Range evidence of eight types of metals is required.
- 1.2 Describe protective coatings in terms of the metals to which they are applied, and the characteristics of the protection provided by each coating.
- Range evidence of four types of coatings is required.

**Outcome 2**

Construct foundations, locate fixings, and complete installation requirements.

**Performance criteria**

- 2.1 Construct foundations or associated building elements.
- 2.2 Locate fixings to secure features to foundations or associated building elements.
- 2.3 Complete installation requirements.

**Outcome 3**

Install metal features on prepared foundations.

- Range evidence of at least two types of metal features is required, which may include but are not limited to – metal fencing including pool fencing and associated safety gates; screens; gates; sculptures; deck balustrade; handrails; playground equipment.

**Performance criteria**

- 3.1 Lift, place, adjust, stabilise, and fix metal feature.
- 3.2 Check surface finish of the feature and repair any damage as required.
- 3.3 Install or use safety warnings when work is accessible to the public.
- 3.4 Select, prepare, and use the appropriate hand and power tools, and equipment for the job.
- 3.5 Remove surplus material and reinstate the site on completion of the job.
- 3.6 Work safely around other people and machinery on site.

<b>Planned review date</b>	31 December 2026
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#### Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	11 January 1994	31 December 2019
Review	2	28 November 1997	31 December 2019
Revision	3	19 July 2001	31 December 2019
Revision	4	13 March 2003	31 December 2019
Review	5	25 September 2006	31 December 2019
Review	6	29 March 2018	31 December 2025
Review	7	24 March 2022	N/A

<b>Consent and Moderation Requirements (CMR) reference</b>	0052
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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 Muka Tangata - People, Food and Fibre Workplace Development Council [qualifications@mukatangata.nz](mailto:qualifications@mukatangata.nz) if you wish to suggest changes to the content of this unit standard.