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| Title | Maintain quality of materials and tools used to create whakairo | | |
| Level | 3 | Credits | 10 |

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| Purpose | People credited with this unit standard are able to: process materials; size materials; select tools; and maintain tools for whakairo. |
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| Classification | Whakairo > Toi Whakairo |
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| Available grade | Achieved |
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Guidance Information

- 1 Tikanga and kawa related to the content of the Whakairo subfield refer to specific interpretations and understandings of whakapapa, te reo, symbolism, concepts and representation within a Whakairo context. They are distinctive from those within the broader context of Te Ao Māori.
- 2 Glossary
Quality – the intrinsic or essential nature of the entity concerned;
Project needs – the specifications and conditions provided in a given brief endorsed by the accredited deliverer of this unit standard.
Tools – may include but are not limited to – tā, toki, toki kapukapu, whao, tikaro, poka, pākati, haehae, parori, pao.

Outcomes and performance criteria

Outcome 1

Process materials for whakairo.

Range may include but is not limited to – timber, bone, stone, shell.

Performance criteria

- 1.1 Materials are collected to meet project needs.
- 1.2 Materials are cleaned to get rid of extraneous matter.
 Range washed and/or scraped, scrubbed, soaked.
- 1.3 Material is dried until sap emission is no longer visible, or until dry to the touch.
 Range may include but not limited to – timber, bone, stone, shell.

1.4 Materials are positioned to negate distortion warping, splitting,

1.5 Materials are dressed in a manner ensuring uniform surfaces.

Range planed and/or sanded, adzed.

Outcome 2

Size whakairo materials and select tools for project needs.

Performance criteria

2.1 Materials are sized according to project needs.

2.2 Tools are sorted into types according to forming processes.

2.3 Tools are chosen according to performance capability and project brief.

Range tool capability – may include but is not limited to hand and/or power;
detailing and/or bulking, finishing.

Outcome 3

Maintain tools for whakairo.

Performance criteria

3.1 Whakairo tools are sharpened in a manner ensuring cuts are clean and uniform.

3.2 Whakairo tools are organised in a manner preventing damage to tools, self and others.

Range non-operational and/or operational layout.

3.3 Operational limits and purpose of carving tools are observed in a manner preventing damage to tools, self and others.

3.4 Whakairo tools are repaired as soon as malfunctions are detected.

Range may include but is not limited to – breaks, fractures, tears, squeaks, rattles.

3.5 Whakairo tools are lubricated in a manner ensuring function is maintained.

3.6 Whakairo tools are adjusted to maintain working order.

Range tools shape and/or position;
working order obstructions and/or stability.

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| Planned review date | 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 | 5 December 1995 | 31 December 2019 |
| Revision | 2 | 6 April 1998 | 31 December 2019 |
| Revision | 3 | 19 April 2000 | 31 December 2019 |
| Revision | 4 | 18 September 2001 | 31 December 2019 |
| Review | 5 | 19 December 2003 | 31 December 2019 |
| Review | 6 | 12 December 2008 | 31 December 2019 |
| Revision | 7 | 21 May 2010 | 31 December 2019 |
| Rollover | 8 | 21 February 2013 | 31 December 2019 |
| Revision | 9 | 19 November 2015 | 31 December 2023 |
| Review | 10 | 15 September 2016 | 31 December 2023 |
| Review | 11 | 24 March 2022 | N/A |

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| Consent and Moderation Requirements (CMR) reference | 0082 |
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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 NZQA Māori Qualifications Services mqs@nzqa.govt.nz if you wish to suggest changes to the content of this unit standard.