

<b>Title</b>	<b>Explain design principles used to generate three-dimensional whakairo design</b>		
<b>Level</b>	<b>5</b>	<b>Credits</b>	<b>12</b>

<b>Purpose</b>	<p>This unit standard is for people furthering their knowledge in whakairo. It supplements the Mana Whakairo and Whakaraupapa Whakairo unit standards.</p> <p>People credited with this unit standard are able to explain the design principles of weight, repetition, ratio, opposites, direction and volume in three-dimensional whakairo.</p>
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<b>Classification</b>	Whakairo > Toi Whakairo
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<b>Available grade</b>	Achieved
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## Guidance Information

- 1 Tikanga and kawa related to the content of the Whakairo Sub-Field 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
  - Weight* – the relationship between compositional components in respect of visual heaviness and lightness;
  - Balance* – the distribution of visual weight around an axis;
  - Symmetry* – a term used to define balance in which line, colour, pattern, texture, shape or form is reflected across a central axis. These elements may exist as exact replication or a disposition of visual weight;
  - Asymmetry* – a term used to define balance in which line, colour, pattern, texture, shape or form is not reflected across a central axis;
  - Repetition* – the reproduction of similar visual entities;
  - Rhythm* – the ordered disposition of visual entities;
  - Ratio* – the relationship between compositional components in respect of a whole to its parts;
  - Proportion* – the comparative division of parts;
  - An opposite* – the contrary arrangement of visual entities;
  - Contrast* – the relationship between compositional components in respect to their differences;
  - Direction* – the occurrence of visual pointers;
  - Movement* – the motion aspect of composition where the eye follows visual cues from point to point;
  - Serpentine* is also known as pakohe;
  - Volume* – the definition of mass by three-dimensional parameters;

*Space* – the three-dimensional scope of compositional arrangement.

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## **Outcomes and performance criteria**

### **Outcome 1**

Explain weight in three-dimensional whakairo design.

#### **Performance criteria**

1.1 Forms are analysed to ensure identification of balance in whakairo.

Range symmetry, asymmetry.

### **Outcome 2**

Explain repetition in three-dimensional whakairo design.

#### **Performance criteria**

2.1 Forms are analysed to ensure identification of rhythm in whakairo.

Range regular recurring motif, random occurring motif.

### **Outcome 3**

Explain ratio in three-dimensional whakairo design.

#### **Performance criteria**

3.1 Forms are analysed to ensure identification of proportion in whakairo.

### **Outcome 4**

Explain opposites in three-dimensional whakairo design.

#### **Performance criteria**

4.1 Forms are analysed to ensure identification of contrast in whakairo.

Range positive and negative, shallow and deep, pattern and plain, light and dark, mass and void.

### **Outcome 5**

Explain direction in three-dimensional whakairo design.

#### **Performance criteria**

5.1 Forms are analysed to ensure identification of movement in whakairo.

Range cyclic, vertical, horizontal, oblique, serpentine.

**Outcome 6**

Explain volume in three-dimensional whakairo designs.

**Performance criteria**

6.1 Forms are analysed to ensure identification of actual and implied space in whakairo.

Range open, closed.

<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	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
Revision	5	11 March 2004	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
Review	9	15 September 2016	31 December 2023
Review	10	24 March 2022	N/A

<b>Consent and Moderation Requirements (CMR) reference</b>	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](mailto:mqs@nzqa.govt.nz) if you wish to suggest changes to the content of this unit standard.