

Achievement Standard

Subject Reference Design and Visual Communication 1.30

Title Produce freehand sketches that communicate design ideas

Level 1 **Credits** 3 **Assessment** External

Subfield Technology

Domain Design and Visual Communication

Status Registered **Status date** 17 November 2011

Planned review date 31 December 2019 **Date version published** 17 November 2016

This achievement standard involves the production of freehand sketches to communicate design ideas.

Achievement Criteria

Achievement	Achievement with Merit	Achievement with Excellence
<ul style="list-style-type: none"> Produce freehand sketches that communicate design ideas. 	<ul style="list-style-type: none"> Produce freehand sketches that clearly communicate design ideas. 	<ul style="list-style-type: none"> Produce freehand sketches that effectively communicate design ideas.

Explanatory Notes

- 1 This achievement standard is derived from Level 6 of the Technology learning area in *The New Zealand Curriculum*, Learning Media, Ministry of Education, 2007; and is related to the material in the *Teaching and Learning Guide for Technology*, Ministry of Education at <http://seniorsecondary.tki.org.nz>.

Further information can be found at <http://www.technology.tki.org.nz/>.

Appropriate reference information is available in *Safety and Technology Education: A Guidance Manual for New Zealand Schools*, Ministry of Education at <http://technology.tki.org.nz/Curriculum-support/Safety-and-Technology-Education>, and the Health and Safety at Work Act 2015.

This standard is also derived from *Te Marautanga o Aotearoa*. For details of *Te Marautanga o Aotearoa* achievement objectives to which this standard relates, see the [Papa Whakaako](#) for the relevant learning area.

- 2 *Produce freehand sketches that communicate design ideas* involves:
- using freehand sketches to describe design features. Describing includes but is not limited to showing form, shape and function.

Produce freehand sketches that clearly communicate design ideas involves:

- creating freehand sketches that describe design features in proportion
- showing detailed information about design features. Detailed information typically includes but is not limited to details of construction, structure, function and aesthetics.

Produce freehand sketches that effectively communicate design ideas involves:

- showing in-depth information about the intent of the design features. In-depth information refers to a body of related sketches that include but are not limited to exploded, sectional and sequential views that explain design features.

- 3 *Freehand sketches* are used to explore and communicate ideas and must be created/produced unassisted by the use of instruments or any electronic technologies.

Both two-dimensional and three-dimensional (eg isometric, perspective, oblique and planometric) freehand sketching techniques must be used. Examples of sketching techniques could include quick rendering, crating, and use of line hierarchy.

- 4 *Design ideas* refer to student-generated responses to a design brief.

- 5 Assessment Specifications for this achievement standard can be accessed through the Technology Resources page found at <http://www.nzqa.govt.nz/qualifications-standards/qualifications/ncea/subjects/>.

Replacement Information

This achievement standard replaced unit standard 7499.

Quality Assurance

- 1 Providers and Industry Training Organisations must have been granted consent to assess by NZQA before they can register credits from assessment against achievement standards.
- 2 Organisations with consent to assess and Industry Training Organisations assessing against achievement standards must engage with the moderation system that applies to those achievement standards.

Consent and Moderation Requirements (CMR) reference

0233