

## Achievement Standard

**Subject Reference** Design and Visual Communication 1.33

**Title** Use rendering techniques to communicate the form of design ideas

**Level** 1      **Credits** 3      **Assessment** Internal

**Subfield** Technology

**Domain** Design and Visual Communication

**Status** Registered      **Status date** 20 January 2011

**Planned review date** 31 December 2020      **Date version published** 17 November 2016

This achievement standard involves the use of rendering techniques to communicate the form of design ideas.

### Achievement Criteria

Achievement	Achievement with Merit	Achievement with Excellence
<ul style="list-style-type: none"> <li>Use rendering techniques to communicate the form of design ideas.</li> </ul>	<ul style="list-style-type: none"> <li>Use rendering techniques to clearly communicate the form of design ideas.</li> </ul>	<ul style="list-style-type: none"> <li>Use rendering techniques to effectively communicate the form of design ideas.</li> </ul>

### 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 *Use rendering techniques to communicate the form of design ideas* involves:

- indicating the tonal qualities produced by an identified light source and its three dimensional effects on the object's shape and surface qualities.

*Use rendering techniques to clearly communicate the form of design ideas* involves:

- consistently applying rendering techniques to communicate an objects shape and surface qualities.

*Use rendering techniques to effectively communicate the form of design ideas* involves:

- skilfully applying rendering techniques to convincingly communicate shape and surface qualities, enhancing the realistic representation of design qualities to an audience.

3 *Rendering* in this context is the communication of form unassisted by the use of any electronic technologies. Rendering may be applied to sketched or instrumental drawings.

4 *Form* refers to an object's shape and surface qualities. Examples of surface qualities relate to the materiality; colour, texture and finish of the object.

Surface qualities may include but are not limited to – highlights, reflections and shadow.

5 *Design ideas* are student-generated responses to a design brief.

6 Conditions of Assessment related to this achievement standard can be found at <http://ncea.tki.org.nz/Resources-for-Internally-Assessed-Achievement-Standards>.

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## 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