

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 2014 **Date version published** 20 January 2011

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"> Use rendering techniques to communicate the form of design ideas. | <ul style="list-style-type: none"> Use rendering techniques to clearly communicate the form of design ideas. | <ul style="list-style-type: none"> Use rendering techniques to effectively communicate the form of design ideas. |

Explanatory Notes

- 1 This achievement standard is derived from *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, 2010 at <http://seniorsecondary.tki.org.nz>.

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

- 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://www.tki.org.nz/e/community/ncea/conditions-assessment.php>.

Quality Assurance

- 1 Providers and Industry Training Organisations must be accredited by NZQA before they can register credits from assessment against achievement standards.
- 2 Accredited providers and Industry Training Organisations assessing against achievement standards must engage with the moderation system that applies to those achievement standards.

Accreditation and Moderation Action Plan (AMAP) reference

0233