

Achievement Standard

Subject Reference	Design and Visual Communication 1.32		
Title	Produce instrumental paraline drawings to 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 instrumental paraline drawings to communicate design ideas.

Achievement Criteria

Achievement	Achievement with Merit	Achievement with Excellence
<ul style="list-style-type: none"> Produce instrumental paraline drawings to communicate design ideas. 	<ul style="list-style-type: none"> Produce instrumental paraline drawings to clearly communicate design ideas. 	<ul style="list-style-type: none"> Produce instrumental paraline drawings to 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 instrumental paraline drawings to communicate design ideas* involves:
- using instrumental drawing techniques and conventions to produce paraline drawings to describe design features. Describing includes but is not limited to showing visible surface features.

Produce instrumental paraline drawings to clearly communicate design ideas involves:

- producing paraline drawings that detail design features. Detailing design features typically includes but is not limited to communicating technical features not visible in the main outline (eg internal components) or those associated with communicating complex form.

Produce instrumental paraline drawings to effectively communicate design ideas involves:

- producing accurately measured and precisely executed paraline drawings that show in-depth information about technical features of a design. In-depth information refers to a body of related drawings that typically include but are not limited to exploded, sectional or cut away views that explain design features.

- 3 *Paraline drawings* refer to 3D drawings produced using paraline techniques.

Paraline techniques are parallel line pictorial drawing methods. These are isometric, trimetric, diametric, oblique and planometric.

Paraline drawings can be constructed using either traditional drawing equipment or computer applications.

- 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 7503.

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