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 2016	**Date version published**		12 December 2013	

This achievement standard involves the production of instrumental paraline drawings to communicate design ideas.

Achievement Criteria

Achievement	Achievement with Merit	Achievement with Excellence
• Produce instrumental paraline drawings to communicate design ideas.	• Produce instrumental paraline drawings to clearly communicate design ideas.	• 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 in Employment Act 1992.

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