

## Achievement Standard

<b>Subject Reference</b>	Design and Visual Communication 2.32		
<b>Title</b>	Produce instrumental perspective projection drawings to communicate design ideas		
<b>Level</b>	2	<b>Credits</b>	3
		<b>Assessment</b>	External
<b>Subfield</b>	Technology		
<b>Domain</b>	Design and Visual Communication		
<b>Status</b>	Registered	<b>Status date</b>	17 November 2011
<b>Planned review date</b>	31 December 2020	<b>Date version published</b>	20 November 2014

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

### Achievement Criteria

Achievement	Achievement with Merit	Achievement with Excellence
<ul style="list-style-type: none"> <li>Produce instrumental perspective projection drawings to communicate design ideas.</li> </ul>	<ul style="list-style-type: none"> <li>Produce instrumental perspective projection drawings to clearly communicate design ideas.</li> </ul>	<ul style="list-style-type: none"> <li>Produce instrumental perspective projection drawings to effectively communicate design ideas.</li> </ul>

### Explanatory Notes

- This achievement standard is derived from Level 7 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.

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 perspective projection drawings to communicate design ideas* involves:
- using perspective drawing techniques to show design features
  - applying appropriate conventions.

*Produce instrumental perspective projection drawings to clearly communicate design ideas* involves:

- accurately using perspective drawing techniques to show the detail of the design features.

*Produce instrumental perspective projection drawings to effectively communicate design ideas* involves:

- selecting a view point that enables the detail of the design features to be shown effectively.

- 3 *Perspective projection drawings* use pictorial drawing methods that involve parallel and/or angular perspective projection.

- 4 Conventions of *instrumental perspective projection drawings* include: use of picture plane, station point, eye level lines, ground level lines, vanishing points and height lines.

- 5 Detail of design features may include but is not limited to the features of such things as: windows, door handles, fasteners, reliefs, and fittings.

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

- 7 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/>.

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### Replacement Information

This achievement standard replaced AS90319 and AS90320.

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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