

## Achievement Standard

<b>Subject Reference</b>	Design and Visual Communication 3.32		
<b>Title</b>	Resolve a spatial design through graphics practice		
<b>Level</b>	3	<b>Credits</b>	6
		<b>Assessment</b>	Internal
<b>Subfield</b>	Technology		
<b>Domain</b>	Design and Visual Communication		
<b>Status</b>	Registered	<b>Status date</b>	4 December 2012
<b>Planned review date</b>	31 December 2020	<b>Date version published</b>	17 November 2016

This achievement standard involves resolving a spatial design through graphics practice.

### Achievement Criteria

Achievement	Achievement with Merit	Achievement with Excellence
<ul style="list-style-type: none"> <li>Resolve a spatial design through graphics practice.</li> </ul>	<ul style="list-style-type: none"> <li>Clearly resolve a spatial design through graphics practice.</li> </ul>	<ul style="list-style-type: none"> <li>Effectively resolve a spatial design through graphics practice.</li> </ul>

### Explanatory Notes

- This achievement standard is derived from Level 8 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 *Resolve a spatial design through graphics practice* involves:

- exploring and refining design ideas based on an analysis of the design context (including opportunities and constraints) and understanding of spatial design knowledge
- communicating a spatial design that addresses identified opportunities and constraints.

*Clearly resolve a spatial design through graphics practice* involves:

- exploring the wider environmental conditions and human factors related to the design context to identify opportunities and constraints
- communicating a spatial design that addresses significant opportunities and constraints.

*Effectively resolve a spatial design through graphics practice* involves:

- making informed designer decisions that integrate spatial design knowledge, and understanding of the wider environmental conditions and human factors related to the design context
- communicating a spatial design that is justified in terms of the significant opportunities and constraints.

3 *Spatial design* is the design of inside and outside spaces, and may include: architectural, interior design and landscape architecture.

4 Spatial design knowledge includes elements of design approaches, technical knowledge, and visual communication techniques relevant to the specific spatial design context. These may include:

- design tools used for the development of spatial design ideas (eg market research, mockups, critiques, and design sketching)
- technical knowledge of materials, construction, cladding, sustainability, and environmental considerations (e.g. sun, wind, topography, views)
- spatial design visual communication techniques and approaches (e.g. architectural drawings and rendering, models, and animation).

5 Design contexts may include: personal/family/communal/retail spaces, gardens, urban spaces, recreation/exhibition spaces, apartments, transport-related buildings, commercial buildings, religious buildings.

6 *Graphics practice* involves expressing a visual literacy through the developing of design ideas by applying design and visual communication techniques and knowledge, leading to the communication of an outcome in response to a brief.

7 Conditions of Assessment related to this achievement standard can be found at <http://ncea.tki.org.nz/Resources-for-aligned-standards/Technology/Level-3-Technology>.

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### Replacement Information

This achievement standard replaced unit standard 7513 and AS90736.

**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