

Achievement Standard

Subject Reference Graphics 1.3

Title Produce instrumental, multi-view working drawings to communicate own design ideas

Level 1 **Credits** 3 **Assessment** External

Subfield Design

Domain Design - Graphic Communication

Status Expiring **Status date** 20 January 2011

This achievement standard is expiring. Assessment against the standard must take place before the expiry date set out below.

Expiry date 31 December 2010 **Date version published** 20 January 2011

This achievement standard involves the production of instrumental, multi-view working drawings using graphic symbols and conventions to communicate own design ideas in response to a brief.

Achievement Criteria

Achievement	Achievement with Merit	Achievement with Excellence
<ul style="list-style-type: none"> Produce instrumental, multi-view working drawings in orthographic projection, using graphic symbols and conventions, that communicate own design ideas. 	<ul style="list-style-type: none"> Produce instrumental, multi-view detailed working drawings in orthographic projection, to scale, using graphic symbols and conventions appropriately. These drawings shall clearly communicate own design ideas. 	<ul style="list-style-type: none"> Produce instrumental, multi-view detailed working drawings in orthographic projection, accurately to scale, using graphic standards, symbols and conventions precisely. These drawings shall clearly communicate own design ideas.

Explanatory Notes

- This achievement standard is related to *Graphics Education: Guidelines for Years 9-13*, Learning Media, Ministry of Education, 2001.
- Candidates must provide evidence of their own design ideas derived from a given brief. *A given brief* is one presented to the candidate.

- 3 *Working drawings* refer to, where appropriate, component details, assembly, sectional views, auxiliary views, surface developments and dimensions.
 - 4 Candidates will be expected to produce working drawings in third-angle orthographic projection.
 - 5 *Multi-view* implies that working drawings contain two or more relevant projected views. *Detailed* could include section views, auxiliary views and hidden detail, including drawings that show more internal or external features and components.
 - 6 Reference to current codes of practice and New Zealand standards will be made where necessary (eg AS/NZS 1100SET *Technical drawing set*).
 - 7 Instruments include the use of traditional drawing equipment and electronic technologies (digital media). Computer generated drawings must show projection lines and drawing conventions as specified in AS/NZS 1100SET *Technical drawing set*.
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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

0226