

## Achievement Standard

<b>Subject Reference</b>	Construction and Mechanical Technologies 2.26		
<b>Title</b>	Make advanced adaptations to a pattern to change the structural and style features of a design		
<b>Level</b>	2	<b>Credits</b>	4
		<b>Assessment</b>	Internal
<b>Subfield</b>	Technology		
<b>Domain</b>	Construction and Mechanical Technologies		
<b>Status</b>	Registered	<b>Status date</b>	17 November 2011
<b>Planned review date</b>	31 December 2016	<b>Date version published</b>	12 December 2013

This achievement standard requires making advanced adaptations to a pattern to change the structural and style features of a design.

### Achievement Criteria

Achievement	Achievement with Merit	Achievement with Excellence
<ul style="list-style-type: none"> <li>Make advanced adaptations to a pattern to change the structural and style features of a design.</li> </ul>	<ul style="list-style-type: none"> <li>Skilfully make advanced adaptations to a pattern to change the structural and style features of a design.</li> </ul>	<ul style="list-style-type: none"> <li>Efficiently make advanced adaptations to a pattern to change the structural and style features of a design.</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.

2 *Make advanced adaptations to a pattern to change the structural and style features* involves:

- the selection of a suitable pattern to be adapted for the design
- undertaking advanced adaptations of the pattern
- ongoing testing of toiles or mock-ups to refine the pattern as required to ensure the adapted pattern interprets the design and provides the correct fit for the body or item
- correctly labelling the pattern with grainline, cutting information, pattern piece names, dots and notches
- constructing a final toile or mock-up of the adapted pattern to ensure the final pattern correctly interprets the design.

*Skilfully make advanced adaptations to a pattern to change the structural and style features of a design* involves:

- showing independence and accuracy in the making of advanced adaptations and the ongoing testing of the toiles or mock-ups.

*Efficiently make advanced adaptations to a pattern to change the structural and style features of a design* involves:

- making advanced adaptations and testing the toiles or mock-ups in a manner that economises time, effort and materials.

3 *Pattern* suitable to adapt and use in this achievement standard refers to a commercial pattern that is professionally produced, or an alternative that provides similar structure and guidance using technical language and symbols. This may include but is not limited to teacher provided blocks or computer generated patterns, with accompanying guide sheets.

4 The pattern must include a minimum of three pattern pieces and may be provided by the teacher or selected by the student.

5 The design can be for a textile or alternative soft material product which requires 'fitting' to meet the requirements of a specific person or item. Products may include but are not limited to: garments, equipment coverings, and furnishings.

6 *Advanced adaptations* refer to making changes to pattern pieces to enable the inclusion of structural and/or style features into an existing design.

7 Advanced adaptations include but are not limited to: manipulating darts, sleeves, adding pleats, gores, yokes, button wraps, facings and collars, deep buttoning, waterproof opening, and changing types of fastenings.

8 Materials include textiles or alternative soft materials and may include but are not limited to natural and synthetic: fibres, yarns, fabrics, leather, and vinyl.

9 Toile or mock-up refers to a particular method of functional modelling involving the production of a sample product. Its purpose is to translate the pattern into 3 dimensions to check all aspects of the design have been interpreted appropriately and provide the correct fit for the person or item.

- 10 Tests used to determine if the pattern provides the correct fit may include but are not limited to checking: toile or mock-up accurately and coherently incorporate the desired structural and style features into an existing design, correct size for the intended wearer or item, appropriate opening to ensure ease of putting on and taking off, darts placed to shape for fullness, shoulder length is accurate, fit is comfortable to wearer, and the fabric falls as intended with no bunching, pulling or gaping.
  - 11 Conditions of Assessment related to this achievement standard can be found at <http://ncea.tki.org.nz/Resources-for-aligned-standards/Technology/Level-2-Technology>.
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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