

Achievement Standard

Subject Reference	Construction and Mechanical Technologies 1.23		
Title	Demonstrate understanding of basic concepts used to make products from textile materials		
Level	1	Credits	4
		Assessment	Internal
Subfield	Technology		
Domain	Construction and Mechanical Technologies		
Status	Registered	Status date	20 January 2011
Planned review date	31 December 2020	Date version published	17 November 2016

This achievement standard requires demonstrating an understanding of basic concepts used to make products from textile materials.

Achievement Criteria

Achievement	Achievement with Merit	Achievement with Excellence
<ul style="list-style-type: none"> Demonstrate understanding of basic concepts used to make products from textile materials. 	<ul style="list-style-type: none"> Demonstrate in-depth understanding of basic concepts used to make products from textile materials. 	<ul style="list-style-type: none"> Demonstrate comprehensive understanding of basic concepts used to make products from textile materials.

Explanatory Notes

- 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 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 *Demonstrate understanding of basic concepts used to make products from textile materials* involves:

- describing characteristics of textile materials
- explaining techniques used
- describing which combinations of techniques and textile materials would be suitable for a situation.

Demonstrate in-depth understanding of basic concepts used to make products from textile materials involves:

- explaining how the characteristics of textile materials influence technique selection
- explaining which combinations of techniques and textile materials would be suitable for a situation.

Demonstrate comprehensive understanding of basic concepts used to make products from textile materials involves:

- discussing why textile materials require particular techniques for their handling and use
- discussing why techniques and textile materials are combined in different ways across two or more situations.

3 Techniques include:

- one or more of measuring or marking out
- one or more of sizing, shaping, or forming
- one or more of joining or assembling
- one or more of finishing or detailing.

4 *Textile materials* in this achievement standard may include but are not limited to – natural and synthetic fibres, yarns and fabrics.

5 *Characteristics of textile materials* may include but are not limited to – strength, thickness, stretch, drape.

6 Conditions of Assessment related to this achievement standard can be found at <http://ncea.tki.org.nz/Resources-for-Internally-Assessed-Achievement-Standards>.

Replacement Information

This achievement standard and AS91061 replaced unit standard 7545, unit standard 7548 and unit standard 7550.

This achievement standard and AS91058 replaced unit standard 6680.

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