

Achievement Standard

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| Subject Reference | Construction and Mechanical Technologies 2.23 | | |
| Title | Demonstrate understanding of advanced concepts used to make textile products | | |
| Level | 2 | Credits | 4 |
| | | Assessment | Internal |
| Subfield | Technology | | |
| Domain | Construction and Mechanical Technologies | | |
| Status | Registered | Status date | 17 November 2011 |
| Planned review date | 31 December 2019 | Date version published | 17 November 2016 |

This achievement standard requires demonstrating understanding of advanced concepts used to make textile products.

Achievement Criteria

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

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 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 advanced concepts used to make textile products* involves:

- explaining how and why special features are used in textile products
- explaining how special features are constructed in a textile material
- explaining the requirements of quality finish of special features.

Demonstrate in-depth understanding of advanced concepts used to make textile products involves:

- explaining how the construction of special features changes when using different types of textile materials.

Demonstrate comprehensive understanding of advanced concepts used to make textile products involves:

- discussing why particular materials and construction techniques are used to create high-quality special features in textile products.

3 *Advanced concepts* used when making textile products include: knowledge of how and why techniques are brought together to achieve special features.

4 Special features are those that rely on the application of advanced skills. These include but are not limited to: style features, such as set in sleeve, fly front, tailored collars and cuffs, welt pockets and/or decorative features such as pin tucking, embroidery, and shirring and/or structural features such as 3D felting and combining different fibres in felting and different materials e.g. nuno felting.

5 *Textile materials* may include but are not limited to: natural and synthetic fibres, yarns, knits and woven fabrics.

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

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