

Achievement Standard

Subject Reference	Construction and Mechanical Technologies 2.21		
Title	Implement advanced procedures using textile materials to make a specified product with special features		
Level	2	Credits	6
		Assessment	Internal
Subfield	Technology		
Domain	Construction and Mechanical Technologies		
Status	Registered	Status date	17 November 2011
Planned review date	31 December 2020	Date version published	17 November 2016

This achievement standard requires implementing advanced procedures using textile materials to make a specified product with special features.

Achievement Criteria

Achievement	Achievement with Merit	Achievement with Excellence
<ul style="list-style-type: none"> Implement advanced procedures using textile materials to make a specified product with special features. 	<ul style="list-style-type: none"> Skilfully implement advanced procedures using textile materials to make a specified product with special features. 	<ul style="list-style-type: none"> Efficiently implement advanced procedures using textile materials to make a specified product with special features.

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 *Implement advanced procedures using textile materials to make a specified product with special features* involves:
- selecting and scheduling techniques to achieve special features
 - undertaking testing to monitor special feature construction to demonstrate that the product meets specifications applying scheduled techniques to comply with relevant health and safety regulations.

Skilfully implement advanced procedures using textile materials to make a specified product with special features involves:

- showing independence and accuracy in executing the scheduled techniques and tests.

Efficiently implement advanced procedures using textile materials to make a specified product with special features involves:

- undertaking scheduled techniques and tests in a manner that economises time, effort and materials.

- 3 *Textile materials* may include but are not limited to: natural and synthetic fibres, yarns, knits and woven fabrics.
- 4 *Specified product* refers to a product with required special features and its relevant specifications, including material specifications. The specifications must be of sufficient rigour to allow the student to meet the standard. The specifications need to be agreed prior to the product being made. They may be teacher-given or developed in negotiation with the student.
- 5 *Advanced procedures* are those that require advanced skills and the student to select and perform techniques that need scheduling to achieve the special features.
- 6 Scheduling refers to such things as planning construction orders or a production sequence.
- 7 *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 eg nuno felting.
- 8 Tests may include but are not limited to: measuring, trialling techniques, fitting, and visual checks.
- 9 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