

Achievement Standard

Subject Reference	Construction and Mechanical Technologies 3.21		
Title	Implement complex procedures using textile materials to make a specified product		
Level	3	Credits	6
		Assessment	Internal
Subfield	Technology		
Domain	Construction and Mechanical Technologies		
Status	Registered	Status date	4 December 2012
Planned review date	31 December 2019	Date version published	17 November 2016

This achievement standard involves implementing complex procedures using textile materials to make a specified product.

Achievement Criteria

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

Explanatory Notes

- This achievement standard is derived from Level 8 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 complex procedures using textile materials to make a specified product* involves:

- trialling and using feedback to inform the selection of techniques to make the product to size and accurately reflect the style
- developing and applying an order of construction to make the product
- undertaking appropriate tests to demonstrate the final product meets specifications
- applying techniques that comply with relevant health and safety regulations.

Skilfully implement complex procedures using textile materials to make a specified product involves:

- showing independence and accuracy in applying the selected techniques, tests and processes.

Efficiently implement complex procedures using textile materials to make a specified product involves:

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

3 *Complex procedures* are those that require carrying out two or more of the following:

- joining materials with different properties eg jacket shell and lining, sailcloth on to tape
- changing the characteristics of the materials eg interfacing, interlining, boning
- managing special fabrics e.g. fine knits, sheers, satins, ripstop nylon, canvas
- managing the inclusion of structural or style features eg tucks, pockets, openings, closures, weather proof storage
- cutting on the bias.

4 *Textile materials* may include: natural and synthetic fibres, yarns, knits and woven fabrics.

5 *Specified product* refers to a product and its associated 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.

6 An order of construction is a plan that describes the order in which the item is made.

7 Tests may include but are not limited to: measuring, trialling techniques, fitting, visual checks.

8 Conditions of Assessment related to this achievement standard can be found at <http://ncea.tki.org.nz/Resources-for-aligned-standards/Technology/Level-3-Technology>.

Replacement Information

This achievement standard and AS91623 replaced AS90687.

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