

## Achievement Standard

**Subject Reference** Materials and Processing Technology 1.4

**Title** Demonstrate understanding of techniques selected for a feasible Materials and Processing Technology outcome

**Level** 1      **Credits** 4      **Assessment** External

**Subfield** Technology

**Domain** Construction and Mechanical Technologies

**Status** Approved      **Status date** December 2023

**Planned review date** December 2028      **Date version published** December 2023

### Purpose Statement

Students are able to demonstrate understanding of techniques selected for a feasible Materials and Processing Technology outcome.

### Achievement Criteria

Achievement	Achievement with Merit	Achievement with Excellence
<ul style="list-style-type: none"> <li>• Demonstrate understanding of techniques selected for a feasible Materials and Processing Technology outcome</li> </ul>	<ul style="list-style-type: none"> <li>• Explain techniques selected for a feasible Materials and Processing Technology outcome</li> </ul>	<ul style="list-style-type: none"> <li>• Evaluate techniques selected for a feasible Materials and Processing Technology outcome</li> </ul>

### Explanatory Notes

- 1 *Demonstrate understanding of techniques selected for a feasible Materials and Processing Technology outcome* involves:
- trialling to select appropriate techniques in the development of a feasible outcome
  - describing the most appropriate techniques for the feasible outcome.

*Explain techniques selected for a feasible Materials and Processing Technology outcome* involves:

- comparing the most appropriate techniques to make informed decisions for the feasible outcome
- applying stakeholder feedback to improve decisions for the feasible outcome.

*Evaluate techniques selected for a feasible Materials and Processing Technology outcome* involves:

- analysing how trialling, appropriate techniques, and stakeholder feedback connect to improve the feasibility of the outcome.

- 2 *Appropriate* refers to the functional attributes to consider when selecting techniques in the development of a feasible Materials and Processing Technology outcome.
- 3 For the purpose of this achievement standard, *stakeholder feedback* is used to inform the decisions to select techniques for a feasible outcome.

Stakeholder feedback is documented verbal or written information sourced first-hand. Sources of stakeholder feedback could include the end user, or people or groups that have expertise, experience, or a combination of both in this area. More than one stakeholder must be consulted.

- 4 A *feasible* outcome is one that has the potential to be made. A physical outcome is not required for this achievement standard.
- 5 Refer to the NCEA [glossary](#) for Māori, Pacific, and further subject-specific terms and concepts.
- 6 This achievement standard is derived from the Technology Learning Area at Level 6 of *The New Zealand Curriculum*: Learning Media, Ministry of Education, 2007.

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## Replacement Information

This achievement standard and AS92012-AS92014 replaced AS91044-AS91056.

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## Quality Assurance

- 1 Schools and institutions must have been granted consent to assess by NZQA before they can register credits from assessment against achievement standards.
- 2 Schools and institutions with consent to assess must engage with the moderation system that applies to those achievement standards.

Consent and Moderation Requirements (CMR) reference 0233

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