NCEA Review and Maintenance Programme – 2026 updates

Review and maintenance work has been undertaken for all three levels of NZC NCEA for 2026. This pdf document contains the updated Achievement Standards for **Materials and Processing Technology Level 1**. In January 2026 the NCEA website will be updated with these changes for Level 1, and the pdf version will be removed as it will no longer be necessary. For Levels 2 and 3, NZQA will update their website with the registered standards in December. For external assessment specifications, refer to the NZQA website.

Subject: Materials and Processing Technology Level 1

Standard	What's changed?
AS1.3 92014	Explanatory Note 1: • Updated to clarify purposeful aspect of design • 'Stakeholder feedback' removed from assessment criteria. Explanatory Note 4: • Updated to include stakeholder consultation. Explanatory Note 5: • Removed to reflect updated EN1.

Achievement Standard

Subject Reference	Materials and Processing Technology 1.3
Title	Demonstrate understanding of sustainable practices in the development of a Materials and Processing Technology design

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

Subfield Technology

Domain Construction and Mechanical Technologies

Status Approved **Status date** September 2025

Planned review date December 2028 **Date version published** December 2025

Purpose Statement

Students are able to demonstrate understanding of sustainable practices in the development of a Materials and Processing Technology design.

Achievement Criteria

Achievement	Achievement with Merit	Achievement with Excellence
• Demonstrate understanding of sustainable practices in the development of a Materials and Processing Technology design	• Examine sustainable practices in the development of a Materials and Processing Technology design	• Evaluate sustainable practices in the development of a Materials and Processing Technology design

Explanatory Notes

1 *Demonstrate understanding of sustainable practices in the development of a Materials and Processing Technology design* involves:
   • using sustainable practices in the development of a purposeful design for a person, whānau, or community.

   Examine sustainable practices in the development of a Materials and Processing Technology design involves:
   • refining the use of sustainable practices in the development of the purposeful design for a person, whānau, or community.

   Evaluate sustainable practices in the development of a Materials and Processing Technology design involves:

- evaluating decisions about sustainable practices in the development of the purposeful design for a person, whānau, or community.

2 As part of the evidence provided, students must include discussion of kaitiakitanga in the context of applying sustainable practices for the environment during the development of a design. Examples of ways students can fulfil their responsibility towards the environment include:
- the selection of materials
- the economic use of materials
- the appropriate disposal of waste materials.

3 A *Materials and Processing Technology design* does not need to result in a final outcome.

4 The design will be developed using a design process.

   A *design process* can involve:
- ongoing research
- developing initial concept designs
- stakeholder consultation
- refining the initial concept designs during the creation of the design.

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.

Replacement Information

This achievement standard, AS92012, AS92013, and AS92015 replaced AS91044-AS91056.

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