



Mana Tohu Mātauranga o Aotearoa  
New Zealand Qualifications Authority

## Aide-Memoire: Exemplars for sciences and mathematics externally assessed standards

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<b>To:</b>	Hon Erica Stanford, Minister of Education
<b>From:</b>	Jann Marshall, Deputy Chief Executive, Assessment
<b>Date:</b>	29 January 2024
<b>Reference:</b>	OC00615

### Purpose

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1. In your response to the Fortnightly Report of 17 January 2024 [OC00585], you requested copies of the exemplars for the Level 1 sciences and mathematics externally assessed achievement standards pre-publication (due by 31 January 2024).

### Exemplars

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2. To provide support for schools, kura and teachers, exemplars of authentic student responses are being prepared and published. These exemplars provide teachers with examples of the nature and quality of evidence required to achieve the standard and/or higher grades. This is standard practice when new standards are implemented.
3. We have undertaken to publish exemplars for the externally assessed sciences and mathematics standards by 31 January 2024. The remainder of the exemplars for the externally assessed achievement standards will be published by 31 March 2024.
4. Attached are materials for the following the two externally assessed standards for the following Level 1 subjects:
  - Agricultural and Horticultural Sciences
  - Chemistry and Biology
  - Mathematics and Statistics
  - Physics, Earth and Space Science
  - Science
5. Materials provided include:
  - Exemplars for each of the two externally assessed achievement standards; and
  - A resource booklet and/or tasks, where relevant.
6. Please refer to OC00589 *Assessor support and resources to support NCEA Level 1 implementation* for an overview of NZQA assessment support to schools and teachers for the

implementation of the new Level 1 achievement standards for NCEA. This provides a description and timeline for all assessment support deliverables.

7. We have already published exemplars for the following internally assessed sciences and mathematics standards:
  - Agricultural and Horticultural Science 1.1 and 1.2
  - Mathematics and Statistics 1.2
  - Physics Earth and Space Science 1.1 and 1.2
  - Science 1.1 and 1.2.
8. Due to changes to the standards after the students completed the assessments, exemplars are not available or suitable for: Chemistry & Biology 1.1 and 1.2, and Mathematics and Statistics 1.1. The Ministry will be developing 'Expected Student Responses' for these standards.



**Jann Marshall**

Deputy Chief Executive, Assessment

29 January 2024

**Hon Erica Stanford**

Minister of Education

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## **Appendices**

Appendix 1: Materials included for:

- Agricultural and Horticultural Sciences
- Chemistry and Biology
- Mathematics and Statistics
- Physics, Earth and Space Science
- Science