

## Achievement Standard

**Subject Reference** Science 1.1

**Title** Demonstrate understanding of a science-informed response to a local issue

**Level** 1      **Credits** 5      **Assessment** Internal

**Subfield** Science

**Domain** Science – Core

**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 a science-informed response to a local issue.

### Achievement Criteria

Achievement	Achievement with Merit	Achievement with Excellence
<ul style="list-style-type: none"> <li>Demonstrate understanding of a science-informed response to a local issue</li> </ul>	<ul style="list-style-type: none"> <li>Explain a science-informed response to a local issue</li> </ul>	<ul style="list-style-type: none"> <li>Analyse a science-informed response to a local issue</li> </ul>

### Explanatory Notes

- 1 *Demonstrate understanding of a science-informed response to a local issue* involves:
- describing a science idea that informs a science perspective involved in the issue
  - outlining another perspective relevant to the issue
  - identifying a science-informed response to the issue.

*Explain a science-informed response to a local issue* involves:

- explaining the science idea that informs the science perspective relevant to the issue
- explaining another perspective relevant to the issue
- explaining the science-informed response to the issue.

*Analyse a science-informed response to a local issue* involves:

- discussing the importance of the science-informed perspective and the other perspective in the science-informed response to the issue.
- 2 As part of the evidence provided, students must show understanding of tiakitanga in the context of responsible science practice in the local issue. In this achievement standard, the tiakitanga approach is one that demonstrates taking care, ownership, or responsibility, in response to the issue.
- 3 A *local issue* is a topic about which people hold varying perspectives. *Local* refers to the issue being of interest or importance to the student.
- 4 For the purpose of this achievement standard, a *perspective* is a particular way of regarding an issue that is shared by a group.

Examples of groups include:

- iwi or hapū
  - a local council
  - a company or business.
- 5 Refer to the NCEA [glossary](#) for Māori, Pacific, and further subject-specific terms and concepts.
- 6 This achievement standard is derived from the Science 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 AS91921-AS91923 replaced AS90940-AS90955.

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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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