

Achievement Standard

Subject Reference	Earth and Space Science 3.2		
Title	Investigate a socio-scientific issue in an Earth and Space Science context		
Level	3	Credits	4
		Assessment	Internal
Subfield	Science		
Domain	Earth and Space Science		
Status	Registered	Status date	04 December 2012
Planned review date	31 December 2020	Date version published	17 November 2016

This achievement standard involves investigating a socio-scientific issue in an Earth and Space Science context.

Achievement Criteria

Achievement	Achievement with Merit	Achievement with Excellence
<ul style="list-style-type: none"> Investigate a socio-scientific issue in an Earth and Space Science context. 	<ul style="list-style-type: none"> Investigate in depth a socio-scientific issue in an Earth and Space Science context. 	<ul style="list-style-type: none"> Investigate comprehensively a socio-scientific issue in an Earth and Space Science context.

Explanatory Notes

- This achievement standard is derived from *The New Zealand Curriculum*, Learning Media, Ministry of Education, 2007, Level 8, and is related to the material in the *Teaching and Learning Guide for Earth and Space Science*, Ministry of Education, 2010 at <http://seniorsecondary.tki.org.nz>. The standard is aligned to the Nature of Science strand.

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.

- Investigate a socio-scientific issue* involves:
 - selecting and processing a valid range of scientific information on the issue
 - explaining the issue and the impact on individuals and society
 - describing a personal response to the issue
 - describing a societal response to the issue.

Investigate in depth a socio-scientific issue involves:

- explaining in detail the issue and the impact on individuals and society

- explaining a personal response to the issue
- explaining a societal response to the issue.

Investigate comprehensively a socio-scientific issue involves:

- evaluating the issue and the impact on individuals and society
- justifying a personal response to the issue
- evaluating a societal response to the issue.

- 3 *A socio-scientific issue* refers to a current issue in an Earth and Space Science context that has an impact on individuals and society.
- 4 *An Earth and Space Science context* means that the issue can be in Earth science, Space science, or a combination of both.
- 5 *Investigate* involves collecting scientific information from a variety of sources and reporting on the investigation.
- 6 A personal response will be the learner's own point of view on the issue.
- 7 A societal response may represent family, whānau, or small or large group consensus.
- 8 Conditions of Assessment related to this achievement standard can be found at <http://ncea.tki.org.nz/>.

Replacement Information

This achievement standard replaced AS90728.

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