

Achievement Standard

Subject Reference	Earth and Space Science 2.2		
Title	Examine an Earth and Space Science issue and the validity of the information communicated to the public		
Level	2	Credits	4
		Assessment	Internal
Subfield	Science		
Domain	Earth and Space Science		
Status	Registered	Status date	17 November 2011
Planned review date	31 December 2020	Date version published	20 November 2014

This achievement standard involves examining an Earth and Space Science issue and the validity of the information communicated to the public.

Achievement Criteria

Achievement	Achievement with Merit	Achievement with Excellence
<ul style="list-style-type: none"> Examine an Earth and Space Science issue and the validity of the information communicated to the public. 	<ul style="list-style-type: none"> Examine in depth an Earth and Space Science issue and the validity of the information communicated to the public. 	<ul style="list-style-type: none"> Examine comprehensively an Earth and Space Science issue and the validity of the information communicated to the public.

Explanatory Notes

- This achievement standard is derived from *The New Zealand Curriculum*, Learning Media, Ministry of Education, 2007, Level 7 Nature of Science achievement objectives: Participating and Contributing, and Communicating in Science; and is related to the material in the *Teaching and Learning Guide for Science*, Ministry of Education, 2010 at <http://seniorsecondary.tki.org.nz>.

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.

- Examine* involves:
 - selecting, processing and reporting on relevant Earth and Space Science (ESS) information on the issue
 - commenting on the validity of the information from key sources communicated to the public

- drawing a conclusion on the issue.

Examine in depth involves:

- selecting, processing and reporting on relevant ESS information that provides a wide coverage of the issue
- comparing the validity of the information from different key sources communicated to the public, giving ESS reasons
- stating a position on the issue related to the processed ESS information and the conclusion drawn.

Examine comprehensively involves:

- selecting, processing and reporting on relevant ESS information that provides a comprehensive coverage of the issue
- evaluating the validity of the information from different key sources communicated to the public, giving ESS reasons
- justifying a position on the issue related to the processed ESS information, the conclusion drawn and the validity of the ESS information collected.

3 *Earth and Space Science* information can relate to Earth and/or Space.

4 *Information communicated to the public* must include scientific sources and may be found in many forms of communication such as newspapers, books, journals, pamphlets, websites, television programmes, films, blogs, and advertisements.

5 Conditions of Assessment related to this achievement standard can be found at <http://ncea.tki.org.nz/Resources-for-Internally-Assessed-Achievement-Standards>.

Replacement Information

This achievement standard replaced unit standard 6352 and AS90771.

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