

Achievement Standard

Subject Reference	Earth and Space Science 2.3		
Title	Investigate geological processes in a New Zealand locality		
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 investigating geological processes in a New Zealand locality.

Achievement Criteria

Achievement	Achievement with Merit	Achievement with Excellence
<ul style="list-style-type: none"> Investigate geological processes in a New Zealand locality. 	<ul style="list-style-type: none"> Investigate in depth geological processes in a New Zealand locality. 	<ul style="list-style-type: none"> Investigate comprehensively geological processes in a New Zealand locality.

Explanatory Notes

- This achievement standard is derived from *The New Zealand Curriculum*, Learning Media, Ministry of Education, 2007, Level 7 Planet Earth and Beyond achievement objective: Earth Systems and Interacting Systems; 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.

- Investigate* involves:
 - identifying the types of rock(s) found in the locality
 - describing the plate tectonic and rock cycle processes that have formed the types of rocks in the locality
 - describing the erosional processes that have shaped the current landforms in the locality.

Investigate in depth is further developed by:

- explaining the plate tectonic and rock cycle processes that have formed the types of rocks in the locality
- explaining the erosional processes that have shaped the current landforms in the locality.

Investigate comprehensively is further developed by:

- discussing the link between the plate tectonic processes and the rock cycle processes that have formed the types of rocks in the locality
- discussing the link between the erosional processes with the shape of the current landforms in the locality.

3 *A New Zealand locality* is considered to be anywhere within the Zealandia continent.

4 *Geological processes* will include:

- plate tectonics and the rock cycle
- erosion.

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 6362 and AS90767.

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