

## Achievement Standard

<b>Subject Reference</b>	Earth and Space Science 2.3		
<b>Title</b>	Investigate geological processes in a New Zealand locality		
<b>Level</b>	2	<b>Credits</b>	4
		<b>Assessment</b>	Internal
<b>Subfield</b>	Science		
<b>Domain</b>	Earth and Space Science		
<b>Status</b>	Registered	<b>Status date</b>	17 November 2011
<b>Planned review date</b>	31 December 2014	<b>Date version published</b>	17 November 2011

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"> <li>Investigate geological processes in a New Zealand locality.</li> </ul>	<ul style="list-style-type: none"> <li>Investigate in depth geological processes in a New Zealand locality.</li> </ul>	<ul style="list-style-type: none"> <li>Investigate comprehensively geological processes in a New Zealand locality.</li> </ul>

### 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>.
- 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 [www.tki.org.nz/e/community/ncea/conditions-assessment.php](http://www.tki.org.nz/e/community/ncea/conditions-assessment.php).

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### **Replacement Information**

This achievement standard replaced unit standard 6362 and AS90767.

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### **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