

Achievement Standard

Subject Reference Science 2.5

Title Describe New Zealand's geological history

Level 2 **Credits** 3 **Assessment** External

Subfield Science

Domain Science – Core

Registration date 20 October 2004

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This achievement standard involves describing geological events and processes related to New Zealand's geological history.

Achievement Criteria

Achievement	Achievement with Merit	Achievement with Excellence
<ul style="list-style-type: none">Describe New Zealand's geological history.	<ul style="list-style-type: none">Explain New Zealand's geological history.	<ul style="list-style-type: none">Discuss New Zealand's geological history.

Explanatory Notes

- 1 This achievement standard is derived from *Science in the New Zealand Curriculum*, Learning Media, Ministry of Education, 1993, Making Sense of Planet Earth and Beyond, pp. 120-121.
This achievement standard is also related to *Pūtaiao i roto i te Marautanga o Aotearoa*, Learning Media, Ministry of Education, 1996, Mataora: Te Kune, pp. 30-31 and Ō Ahupūngao: Te Kune, pp. 48-49.
- 2 *New Zealand's geological history* refers to geological processes and events.
- 3 Geological processes include:
 - plate tectonics (subduction and plate spreading)
 - mountain-building
 - peneplanation.

- 4 Geological events are limited to:
- pre-Gondwanaland events
 - breakup of Gondwanaland
 - Tuhua, Rangitata and Kaikoura orogenies and their associated rock types
 - Tertiary peneplanation
 - ice ages.
- 5 Terms:
- *Describe* requires the student to give characteristics of or an account of.
 - *Explain* requires the student to provide reasons for how or why.
 - *Discuss* requires the student to link geological ideas to justify, relate, evaluate, compare and contrast, or analyse.
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Replacement Information

This achievement standard and AS90764 replaced AS90316.

Quality Assurance

- 1 Providers and Industry Training Organisations must be accredited by the Qualifications Authority before they can register credits from assessment against achievement standards.
- 2 Accredited providers and Industry Training Organisations assessing against achievement standards must engage with the moderation system that applies to those achievement standards.

Accreditation and Moderation Action Plan (AMAP) reference

0226