

## Achievement Standard

**Subject Reference** Science 3.7

**Title** Report on a recent astronomical event or discovery

**Level** 3 **Credits** 2 **Assessment** Internal

**Subfield** Science

**Domain** Science – Core

**Registration date** 9 November 2005 **Date version published** 9 November 2005

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This achievement standard involves reporting on a recent astronomical event or discovery.

### Achievement Criteria

Achievement	Achievement with Merit	Achievement with Excellence
<ul style="list-style-type: none"> <li>Present a report on a recent astronomical event or discovery.</li> </ul>	<ul style="list-style-type: none"> <li>Present a detailed report on a recent astronomical event or discovery.</li> </ul>	<ul style="list-style-type: none"> <li>Present a detailed and analytical report on a recent astronomical event or discovery.</li> </ul>

### Explanatory Notes

- 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 strand, pp. 122–123. This standard is also related to *Pūtaiao i roto i te Marautanga o Aotearoa*, Learning Media, Ministry of Education, 1996, Ō Mataora: Te Whē, Whāinga Paetae 6, pp. 32–33 and Ō Ahupūngao: Te Whē, Whāinga Paetae 1, pp. 50–51.
- The *astronomical event or discovery* must have occurred in the last five years. Examples could include:
  - Mars discoveries
  - comets and asteroids
  - gamma ray bursts
  - extrasolar planets
  - black holes
  - Kuiper belt objects
  - solar flares
  - moons of Saturn
  - rings of Saturn.

- 3 Resources will be provided for the student who will then process information from these and, in combination with their own knowledge and research, prepare and present the report.
- 4 The *report* will include:
- a description of the scientific background
  - a summary of the relevant scientific information
  - a statement of the significance of the event or discovery.
- 5 A *detailed report* will include:
- an explanation of the relevant scientific background
  - a detailed summary of relevant scientific information
  - an explanation of the significance of the event or discovery.
- 6 A *detailed and analytical report* will include:
- a discussion of the relevant scientific background; and
- either
- a detailed summary of relevant scientific information and an analysis of the significance of the event or discovery,
- or
- an analysis of the relevant scientific information and a detailed summary of the significance of the event or discovery.
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## 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