

Achievement Standard

Subject Reference	Science 1.7		
Title	Describe aspects of astronomy		
Level	1	Credits	2
		Assessment	External
Subfield	Science		
Domain	Science – Core		
Registration date	21 October 2003	Date version published	21 October 2003

This achievement standard involves describing aspects of astronomy.

Achievement Criteria

Achievement	Achievement with Merit	Achievement with Excellence
<ul style="list-style-type: none"> Describe aspects of astronomy. 	<ul style="list-style-type: none"> Explain aspects of astronomy. 	<ul style="list-style-type: none"> Discuss aspects of astronomy.

Explanatory Notes

- This achievement standard is derived from *Science in the New Zealand Curriculum*, Learning Media, Ministry of Education, 1993, p. 118–119, in particular achievement objective 3; and *Pūtaiao i roto i te Marautanga o Aotearoa*, Learning Media, Ministry of Education, 1996, 'Ō Ahupūngao: Te Waonui', WP 6.1, p. 46–47.
- Aspects of astronomy* will be selected from:
 - spatial relationships within the solar system
 - space exploration of the solar system.
- Spatial relationships within the solar system could involve orbits of the planets and their moons, position of the planets relative to Earth, major moons and problems related to distances between the planets.

- 4 *Space exploration of the solar system involving:*
- the use of the unaided eye, telescopes (light, radio and space), rockets or probes and
 - the challenges for human exploration, eg
 - difficulties of distances
 - gravitational effects
 - temperature differences
 - orbits (elliptical and tilted)
 - need for special technology.
- 5 Terms:
- *Describe* requires the student to recognise, name, draw, give characteristics of or an account of.
 - *Explain* requires the student to provide a reason as to how or why something occurs.
 - *Discuss* requires the student to show understanding by linking scientific ideas. It may involve students in justifying, relating, evaluating, comparing, contrasting and analysing.
-

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