

Achievement Standard

Subject Reference	Physics 2.2		
Title	Demonstrate understanding of physics relevant to a selected context		
Level	2	Credits	3
		Assessment	Internal
Subfield	Science		
Domain	Physics		
Status	Registered	Status date	17 November 2011
Planned review date	31 December 2018	Date version published	20 November 2014

This achievement standard involves the understanding of physics relevant to a selected context.

Achievement Criteria

Achievement	Achievement with Merit	Achievement with Excellence
<ul style="list-style-type: none"> Demonstrate understanding of physics relevant to a selected context. 	<ul style="list-style-type: none"> Demonstrate in-depth understanding of physics relevant to a selected context. 	<ul style="list-style-type: none"> Demonstrate comprehensive understanding of physics relevant to a selected context.

Explanatory Notes

- This achievement standard is derived from *The New Zealand Curriculum*, Learning Media, Ministry of Education, 2007, Level 7; and is related to the material in the *Teaching and Learning Guide for Physics*, Ministry of Education, 2010 at <http://seniorsecondary.tki.org.nz>. The standard is aligned to the achievement objectives *Using Physics* in the Physical World strand, and *Communicating in Science* in the Nature of Science strand.

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.

- Demonstrate understanding* involves providing characteristics of, or an account of the physics related to the selected context.

Demonstrate in-depth understanding involves providing reasons as to how or why the physics applies to the selected context.

Demonstrate comprehensive understanding involves linking ideas to integrate physics relevant to the selected context, and involves elaborating, justifying, relating, evaluating, comparing and contrasting, or analysing the physics underpinning the context.

- 3 The *selected context* must involve physics principles that are at curriculum Level 7. It may be technological or biological.
 - 4 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 AS90258.

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