

Achievement Standard

Subject Reference	Physics 3.2		
Title	Demonstrate understanding of the application of physics to a selected context		
Level	3	Credits	3
		Assessment	Internal
Subfield	Science		
Domain	Physics		
Status	Registered	Status date	4 December 2012
Planned review date	31 December 2020	Date version published	17 November 2016

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

Achievement Criteria

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

Explanatory Notes

- This achievement standard is derived from *The New Zealand Curriculum*, Learning Media, Ministry of Education, 2007, Level 8. The standard is aligned to Using physics in the Physical World strand, and Communicating in science in the Nature of Science strand; and is related to the material in the *Teaching and Learning Guide for Physics*, Ministry of Education, 2010 at <http://seniorsecondary.tki.org.nz>.

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 relating the key physics ideas to the selected context.

Demonstrate in-depth understanding involves explaining how or why the key physics ideas relate to the selected context.

Demonstrate comprehensive understanding involves linking key physics ideas together to provide a coherent picture of the physics relevant to the selected context.

- 3 The *selected context* involves physics ideas at curriculum Level 8. The context may be technological, biological, or astronomical.
 - 4 It is expected that the physics knowledge required for this standard will be different from that required for AS91527 (Physics 3.7).
 - 5 Conditions of Assessment related to this achievement standard can be found at www.tki.org.nz/e/community/ncea/conditions-assessment.php.
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Replacement Information

This achievement standard replaced unit standard 6392 and unit standard 6394.

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