

Achievement Standard

Subject Reference	Generic Technology 3.9		
Title	Demonstrate understanding of how the fitness for purpose of technological outcomes may be broadly interpreted		
Level	3	Credits	4
		Assessment	Internal
Subfield	Technology		
Domain	Generic Technology		
Status	Registered	Status date	4 December 2012
Planned review date	31 December 2016	Date version published	4 December 2012

This achievement standard involves demonstrating understanding of how the fitness for purpose of technological outcomes may be broadly interpreted.

Achievement Criteria

Achievement	Achievement with Merit	Achievement with Excellence
<ul style="list-style-type: none"> Demonstrate understanding of how the fitness for purpose of technological outcomes may be broadly interpreted. 	<ul style="list-style-type: none"> Demonstrate in-depth understanding of how the fitness for purpose of technological outcomes may be broadly interpreted. 	<ul style="list-style-type: none"> Demonstrate comprehensive understanding of how the fitness for purpose of technological outcomes may be broadly interpreted.

Explanatory Notes

- This achievement standard is derived from the Level 8 achievement objectives from the Technology learning area in *The New Zealand Curriculum*, Learning Media, Ministry of Education, 2007; and is related to the material in the *Teaching and Learning Guide for Technology*, Ministry of Education, 2012, at <http://seniorsecondary.tki.org.nz>.

Appropriate reference information is available in *Safety and Technology Education: A Guidance Manual for New Zealand Schools*, Ministry of Education, the Health and Safety in Employment Act 1992; and in the Technology Curriculum Support, May 2010, that can be found at <http://www.technology.tki.org.nz/L3AS/char-tech-out-index>.

Further information can be found at <http://www.technology.tki.org.nz/>.

2 *Demonstrate understanding of how the fitness for purpose of technological outcomes may be broadly interpreted* involves:

- explaining why the judgement of a technological outcome's fitness for purpose may differ depending on the geographical and/or social setting, and may change over time
- explaining fitness for purpose in the broadest sense and the implications of this for the design and development of technological outcomes.

Demonstrate in-depth understanding of how the fitness for purpose of technological outcomes may be broadly interpreted involves:

- discussing the value of using fitness for purpose in the broadest sense for evaluating existing technological outcomes
- discussing the value of using fitness for purpose in the broadest sense to guide the design, development and evaluation of new technological outcomes.

Demonstrate comprehensive understanding of how the fitness for purpose of technological outcomes may be broadly interpreted involves:

- discussing the judgement of a technological outcome's fitness for purpose in the broadest sense and justifying this in relation to the era of development, and the geographical and social location.

3 Fitness for purpose in the broadest sense relates to the outcome itself as well as to the practices used to develop the outcome. Judgements may include:

- considerations of the outcomes' technical and social acceptability
- sustainability of resources used
- ethical nature of testing practices
- cultural appropriateness of trialling procedures
- determination of life cycle, maintenance, ultimate disposal
- health and safety.

4 Conditions of Assessment related to this achievement standard can be found at <http://ncea.tki.org.nz/>.

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