Achievement Standard

Subject Reference	Generic Technology 2.8
Title	Demonstrate understanding of sociocultural factors, and how competing priorities are managed, in technology

Level   2   **Credits**   4   **Assessment**   Internal

Subfield   Technology

Domain   Generic Technology

Status   Registered   **Status date**   17 November 2011

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This achievement standard involves demonstrating understanding of sociocultural factors, and how competing priorities are managed, in technology.

Achievement Criteria

Achievement	Achievement with Merit	Achievement with Excellence
• Demonstrate understanding of sociocultural factors, and how competing priorities are managed, in technology.	• Demonstrate in-depth understanding of sociocultural factors, and how competing priorities are managed, in technology.	• Demonstrate comprehensive understanding of sociocultural factors, and how competing priorities are managed, in technology.

Explanatory Notes

1   This achievement standard is derived from the Level 7 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, 2010 at http://seniorsecondary.tki.org.nz.

Appropriate reference information is available in *Safety and Technology Education: A Guidance Manual for New Zealand Schools,* Learning Media, Ministry of Education, 1998; and the Health and Safety in Employment Act 1992, and in the *Technology Curriculum Support*, October 2007 that can be found at http://www.techlink.org.nz/curriculum-support/papers/nature/char-tech/index.htm.

Further information can be found at http://www.techlink.org.nz.

2   *Demonstrate understanding of sociocultural factors, and how competing priorities are managed, in technology* involves:
- describing the interactions between sociocultural factors and technological developments in a field of technology
- describing the relationships between competing priorities and aspects of technological practice in a field of technology
- describing the competing priorities that were managed within a development in a field of technology.

Demonstrate in-depth understanding of sociocultural factors, and how competing priorities are managed, in technology involves:
- explaining the interactions between sociocultural factors and technological developments in a field of technology
- explaining the relationships between competing priorities and aspects of technological practice in a field of technology
- explaining how competing priorities were managed within a development in a field of technology.

Demonstrate comprehensive understanding of sociocultural factors, and how competing priorities are managed, in technology involves*:*
- discussing the interactions between sociocultural factors and technological developments in a field of technology
- discussing the decisions made to manage competing priorities within a development in a field of technology.

3   Aspects of technological practice may include but are not limited to:
- establishing a need or opportunity
- design decisions and outcome development
- resources selection, use and availability
- manufacturing and/or production processes and methods
- implementation and evaluation within a social or physical environment
- maintenance and disposal issues
- ethical, social and moral responsibilities.

4   Fields of technology may include but are not limited to: medical, sporting, communication, textiles, furniture, transport, food, and military.

5   Sociocultural factors may include but are not limited to: social, political, environmental, economic, cultural, and spiritual.

6   Competing priorities may include but are not limited to:
- stakeholder view points
- innovation versus social acceptance
- expedient practices versus ethically acceptable practices
- renewable versus non-renewable resources
- budget constraints versus most suitable materials
- resources of cultural significance; in traditional versus contemporary contexts.

7   Conditions of Assessment related to this achievement standard can be found at www.tki.org.nz/e/community/ncea/conditions-assessment.php.

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