Achievement Standard

Subject Reference   Digital Technologies 1.10

Title   Demonstrate understanding of human computer interaction

Level   1   **Credits**   3   **Assessment**   External

Subfield   Technology

Domain   Digital Technologies

Status   Registered   **Status date**   23 November 2017

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This achievement standard requires demonstrating understanding of human computer interaction.

Achievement Criteria

Achievement	Achievement with Merit	Achievement with Excellence
● Demonstrate understanding of human computer interaction.	● Demonstrate in-depth understanding of human computer interaction.	● Demonstrate comprehensive understanding of human computer interaction.

Explanatory Notes

1   This achievement standard is derived from Level 6 of 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 at http://seniorsecondary.tki.org.nz.

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

Appropriate reference information is available in *Safety and Technology Education: A Guidance Manual for New Zealand Schools,* Ministry of Education at http://technology.tki.org.nz/Technology-in-the-NZC/Safety-in-Technology-Education-revised-2017, and the Health and Safety at Work Act 2015.

This standard is also derived from Te Marautanga o Aotearoa. For details of Te Marautanga o Aotearoa outcomes to which this standard relates, see the Papa Whakaako for the relevant learning area.

2   *Demonstrate understanding of human computer interaction* involves:
- describing the role of a chosen user interface for a specified task
- identifying examples from a given human-computer interface that illustrate usability heuristics.

Demonstrate in-depth understanding of human computer interaction involves evaluating a given human-computer interface in terms of usability heuristics.

Demonstrate comprehensive understanding of human computer interaction involves suggesting improvements to a given human-computer interface by comparing and contrasting related interfaces.

3   A *user interface* is the hardware or software part of a computer or electronic system that a human user interacts with to control the system. The usability of an interface is the key characteristic for evaluating an interface.

4   Assessment Specifications for this achievement standard can be accessed through the Technology Resources page found at http://www.nzqa.govt.nz/qualifications-standards/qualifications/ncea/subjects/.

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