

Achievement Standard

Subject Reference

Information and Communication Technology 2.7

Title

Demonstrate skills in information and communication technology

Level

2

Credits

4

Assessment

Internal

Subfield

Technology

Domain

Technology – General Education

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This achievement standard involves demonstrating skills within an information and communication technology application when developing a technological outcome(s) to address an identified issue(s).

Achievement Criteria

Achievement	Achievement with Merit	Achievement with Excellence
<ul style="list-style-type: none"> Demonstrate skills within an information and communication technology application when developing a technological outcome(s). 	<ul style="list-style-type: none"> Demonstrate skills within different information and communication technology applications when developing a technological outcome(s). <p>or</p> <p>Demonstrate skills within an information and communication technology application and use these to enhance the technological practice undertaken when developing a technological outcome(s) or the technological outcome(s) itself.</p>	<ul style="list-style-type: none"> Demonstrate skills within different information and communication technology applications and use these to enhance the technological practice undertaken when developing a technological outcome(s) or the technological outcome(s) itself.

Explanatory Notes

- 1 This achievement standard is derived from *Technology in the New Zealand Curriculum*, Learning Media, Ministry of Education, 1995; Level 7, and *Hangarau i roto i te Marautanga o Aotearoa*, Te Tāhuhu o te Mātauranga, 1999.
 - 2 Useful information is available in *Safety and Technology Education: A Guidance Manual for New Zealand Schools*, Learning Media, Ministry of Education, 1998; and in the Health and Safety in Employment Act 1992.
 - 3 *Applications*, in information and communication technology, refer to things such as:
 - database programmes
 - computer aided drafting programmes
 - Three-dimensional (3D) modelling programmes
 - webpage design programmes
 - graphic enhancement programmes
 - animation of two-dimensional (2D) and 3D models
 - video/picture capturing, enhancement and reproduction technologies
 - sound recording/creating technologies.
 - 4 *Skills* within different information and communication technology applications includes such things as:
 - accessing data
 - conversion of data through manipulation (changing) data into useful information
 - collation and synthesis of data.
 - 5 The developed technological outcome(s) must address an identified issue. The *issue* needs to be identified by the student from a teacher given context. The issue may be personal to the student, or one owned by others. This issue will generate a range of needs or opportunities for technological practice.
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Quality Assurance

- 1 Providers and Industry Training Organisations must be accredited by the Qualifications Authority before they can register credits from assessment against achievement standards.
- 2 Accredited providers and Industry Training Organisations assessing against achievement standards must engage with the moderation system that applies to those achievement standards.