

Achievement Standard

Subject Reference Digital Technologies 3.1

Title Conduct a critical digital technologies inquiry

Level 3 **Credits** 6 **Assessment** Internal

Subfield Technology

Domain Digital Technologies

Status XX **Status date** XX

Planned review date XX **Date version published** XX

This achievement standard involves conducting a critical digital technologies inquiry.

Achievement Criteria

Achievement	Achievement with Merit	Achievement with Excellence
Conduct a critical digital technologies inquiry.	Conduct an in-depth critical digital technologies inquiry.	Conduct a comprehensive critical digital technologies inquiry.

Explanatory Notes

- 1 This achievement standard is derived 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 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 *Conduct a critical digital technologies inquiry* involves:

- deciding on a digital technologies focus and developing a specific inquiry question
- undertaking research to gather background information and ideas from reliable, expert sources
- analysing gathered information
- establishing a refined idea or solution to the inquiry focus
- developing the idea or solution to the inquiry focus using digital technologies knowledge and/or skills
- explaining relevant risks and ways to mitigate these risks
- evaluating and reporting on the findings from the digital technologies idea or solution in relation to the inquiry question
- effectively managing timeframes and inquiry progression

Conduct an in-depth critical digital technologies inquiry involves:

- comparing and contrasting different perspectives that relate to the inquiry focus
- discussing possible future opportunities relating to the inquiry focus and explaining the possible impacts of these opportunities
- evaluating the strengths and weaknesses of the digital technologies inquiry focus.

Conduct a comprehensive critical digital technologies inquiry involves evaluating the findings and implications including:

- critiquing any sources used and evaluating their potential for bias and inaccuracies
- considering possible issues relating to the inquiry focus and suggesting areas for improvement, extension, and/or follow-up
- critiquing the accuracy, relevance, reliability, and/or significance of the findings.

3. Examples of risks include:

- time
- financial
- estimations and scheduling
- incorrect functionality
- scope creep
- computational
- factors outside of one's control.

4. Conditions of Assessment related to this achievement standard can be found at <http://ncea.tki.org.nz/Resources-for-Internally-Assessed-Achievement-Standards>.

Replacement Information

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