

Achievement Standard

Subject Reference	Digital Technologies and Hangarau Matihiko 3.1		
Title	Conduct a critical inquiry to propose a digital technologies outcome		
Level	3	Credits	6
		Assessment	Internal
Subfield	Technology		
Domain	Digital Technologies		
Status	Registered	Status date	29 November 2018
Planned review date	31 December 2020	Date version published	29 November 2018

This achievement standard involves conducting a critical inquiry to propose a digital technologies outcome.

Achievement Criteria

Achievement	Achievement with Merit	Achievement with Excellence
<ul style="list-style-type: none"> Conduct a critical inquiry to propose a digital technologies outcome. 	<ul style="list-style-type: none"> Conduct an in-depth critical inquiry to propose a digital technologies outcome. 	<ul style="list-style-type: none"> Conduct a comprehensive critical inquiry to propose a digital technologies outcome.

Explanatory Notes

- 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 inquiry to propose a digital technologies outcome* involves:
- deciding on an inquiry focus and developing specific inquiry question(s)
 - undertaking research to gather background information and ideas
 - analysing gathered information
 - establishing a refined inquiry focus
 - proposing a digital technologies outcome to the inquiry
 - explaining relevant risks and ways to mitigate these risks
 - reporting on the findings of the research in relation to the inquiry question(s) and proposed digital technologies outcome.

Conduct an in-depth critical inquiry to propose a digital technologies outcome 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
- effectively managing milestones and inquiry progression
- evaluating the strengths and weaknesses of the proposed digital technologies outcome.

Conduct a comprehensive critical inquiry to propose a digital technologies outcome 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 proposed outcome 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
 - 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>.

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