

Achievement Standard

Subject Reference	Digital Technologies and Hangarau Matihiko 3.10		
Title	Present a reflective analysis of developing a digital outcome		
Level	3	Credits	3
		Assessment	External
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 presenting a reflective analysis of developing a digital outcome.

Achievement Criteria

Achievement	Achievement with Merit	Achievement with Excellence
<ul style="list-style-type: none"> Present a reflective analysis of developing a digital outcome. 	<ul style="list-style-type: none"> Present an in-depth reflective analysis of developing a digital outcome. 	<ul style="list-style-type: none"> Present an insightful reflective analysis of developing a digital 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 *Present a reflective analysis of developing a digital outcome* involves:
- explaining the digital outcome that was created
 - linking the outcome's characteristics to decisions that were made in the development process.
- Present an in-depth reflective analysis of developing a digital outcome* involves:
- analysing how decisions made affected the development process
 - explaining how new knowledge and skills guided the development process.
- Present an insightful reflective analysis of developing a digital outcome* involves:
- critiquing what could be done differently to improve both the outcome and the development process
 - drawing conclusions about the outcome and/or development process.
- 3 The *digital outcome* must have been developed by the student.
- 4 Examples of *decisions* include those involved with:
- selection of tools and techniques
 - ways of addressing implications and end-user considerations
 - influence of stakeholder feedback.
- 5 Examples of *conclusions* include:
- innovative connections
 - exploration of less obvious implications
 - making predictions
 - making justified generalisations that could be applied beyond the outcome and development process
 - use of higher level thinking skills such as synthesis.
- 6 Examples of *implications* include:
- cultural
 - legal
 - ethical
 - intellectual property
 - sustainability
 - privacy
 - accessibility
 - usability
 - functionality
 - aesthetics
 - end-user requirements
 - health and safety implications.
- 7 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