

Achievement Standard

Subject Reference	Digital Technologies and Hangarau Matihiko 1.3		
Title	Develop a digital outcome to manage data		
Level	1	Credits	4
		Assessment	Internal
Subfield	Technology		
Domain	Digital Technologies		
Status	Registered	Status date	23 November 2017
Planned review date	31 December 2019	Date version published	23 November 2017

This achievement standard involves developing a digital outcome to manage data.

Achievement Criteria

Achievement	Achievement with Merit	Achievement with Excellence
<ul style="list-style-type: none"> Develop a digital outcome to manage data. 	<ul style="list-style-type: none"> Develop an informed digital outcome to manage data. 	<ul style="list-style-type: none"> Develop a refined digital outcome to manage data.

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 *Develop a digital outcome to manage data* involves:
- using appropriate tools and techniques to structure, organise, query and present data for a purpose and end user
 - applying appropriate data integrity and testing procedures
 - describing relevant implications.

Develop an informed digital outcome to manage data involves:

- using information from testing procedures to improve the quality and functionality of the outcome
- structuring, organising and querying the data logically
- addressing relevant implications.

Develop a refined digital outcome to manage data involves:

- iterative improvement throughout the development and testing process
- presenting the data effectively for the purpose and to meet end-user requirements.

3 Examples of relevant implications include:

- social
- cultural
- legal
- ethical
- intellectual property
- privacy
- accessibility
- usability
- functionality
- aesthetics
- sustainability and future-proofing
- end-user considerations
- health and safety.

4 The *data* may be stored in a flat file or relational database.

5 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

This achievement standard replaced AS91071.

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