Achievement Standard

Subject Reference   Digital Technologies and Hangarau Matihiko 3.4

Title   Use complex techniques to develop a digital media outcome

Level   3   **Credits**   4   **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 using complex techniques to develop a digital media outcome.

Achievement Criteria

Achievement	Achievement with Merit	Achievement with Excellence
• Use complex techniques to develop a digital media outcome.	• Use complex techniques to develop an informed digital media outcome.	• Use complex techniques to develop a refined digital media outcome.

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   *Use complex techniques to develop a digital media outcome* involves:
   ● applying appropriate tools and techniques to meet the purpose and end-user requirements
   ● applying appropriate data integrity and testing procedures
   ● applying user experience principles relevant to the purpose of the outcome
   ● addressing relevant implications.

   Use complex techniques to develop an informed digital media outcome involves:
   ● using information from testing procedures to improve the quality of the digital media outcome
   ● applying user experience principles to improve the quality of the digital media outcome.

   Use complex techniques to develop a refined digital media outcome involves:
   ● iterative improvement throughout the design, development and testing process to produce a high-quality outcome
   ● using efficient tools and techniques in the outcome's production.

3   Examples of *relevant implications* include:
   ● social
   ● cultural
   ● legal
   ● ethical
   ● intellectual property
   ● privacy
   ● accessibility
   ● usability
   ● functionality
   ● aesthetics
   ● sustainability and future proofing
   ● end-user requirements
   ● health and safety.

4   Examples of *complex techniques* include:
   ● non-core functionality
   ● sophisticated digital effects
   ● applying industry standards or guidelines
   ● responsive design for use on multiple devices
   ● integration of original media assets
   ● dynamic data handling and interactivity
   ● automation through scripts.

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 AS91634 and AS91635.

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