

Technical Information

USE ADVANCED PROCESSES TO DEVELOP A DIGITAL TECHNOLOGIES OUTCOME

AS 91897v1a (Digital Technologies 2.8) - Internal

Level 2

Credits 6

Reference: 2.8

Provider: Kura Solutions

Interpretation of Standard

Achievement Criteria

Achievement – Use advanced processes to develop a digital technologies outcome.

The main step-up from Level 1 is that learners need to use project management tools and techniques to plan the development of a digital technologies outcome.

In the Kura Solutions teaching and learning materials, the focus is on how to use project management tools and techniques to decompose the outcome, plan tasks and milestones, and collaborate with stakeholders. Emphasis is placed on how to document planning, trialling, and testing of the outcome to provide the evidence required for assessment purposes, as well as support the development of the outcome. We have also looked at how to explain implications relevant to the outcome.

Achievement with Merit – Use advanced processes to develop an informed digital technologies outcome.

The focus here is on how to make effective use of project management and version control tools and techniques to not only plan, but also manage the development of the digital technologies outcome. This includes looking at how to save backup copies with a logical naming system, use simple version control software applications, and adjust key actions and tasks as needed. We also look at how multiple components and/or techniques can be trialled to select those most suitable for the outcome, how information gained from testing and trialling can be used to improve the functionality of the outcome, and how the learner can ensure they address the implications relevant to the digital outcome and its development.

Achievement with Excellence – Use advanced processes to develop a refined digital technologies outcome.

The focus for Excellence is on teaching learners how they can apply information from the planning, testing, and trialling of the outcome components to develop a high quality outcome, and how to discuss the role of planning, testing and trialling in the outcome's development.

Resource Contents

- **Learner Workbook focusing on foundational learning and support resources including:**
 - Learner notes and practice learning activities for:
 - **Considerations for Digital Outcome Development** – Advanced processes for digital outcome development; Identification and consideration of implications; Explaining implications.
 - **Using Project Management Tools** - The importance of keeping records; Using research in outcome development; How to break down the outcome into smaller component parts; How to use project management tools and techniques to plan the outcome development.
 - **Trialling and Testing** – How to use iterative trialling to evaluate an outcome; How to use testing to ensure the outcome functions as it should.
 - Worked examples focus on websites, databases, and computer programs. Where appropriate, full sample answers are given for these.
 - Merit and Excellence extension notes.
- **Formal assessment including:**
 - Full assessment brief
 - Assessment marking schedule
 - Assessment sample answers for:
 - Achieved exemplar (extract) to provide an indication of the level and type of response expected in terms of explaining implications relevant to the outcome, using project management tools and techniques to plan the development of the outcome, conducting iterative trialling of the components of the outcome, and testing the outcome. Assessor comments are also provided which indicate what the learner would need to do for the step-up to Merit.
 - Merit exemplar (extract) to provide an indication of the level and type of response expected in terms of how the learner could demonstrate that they have used: project management and version control tools and techniques effectively to manage the development of the outcome, trialling to select

techniques and/or components for the outcome, information gained from trialling and testing to improve the outcome, as well as to demonstrate that they have addressed implications relevant to the outcome. Assessor comments are provided which indicate what the learner would need to do for the step-up to Excellence.

- Excellence exemplar (extract) to provide an indication of the type of evidence expected to demonstrate that the learner has used information from planning, trialling, and testing to develop a high quality outcome, and how they have discussed the role of planning, trialling, and testing in the outcome's development.
- **Teacher resource including teacher notes.**

Feedback and Queries

Please send feedback or queries to support@kurasolutions.co.nz.