

Achievement Standard 2.2  
**Technology - General Education**  
Subject reference -Technology 2.2  
**Number AS90349**  
*(version 2)*

Develop and implement a one-off solution in information and communication technology

**Level 2      Credits: 6**

Assessment: Internal

## ASSESSMENT

This

achievement standard involves the formulation of a brief, and the use of planning, to develop and implement a one-off solution to address an identified issue in information and communication technology.

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## Assessment Criteria from NZQA for 2.2

Achievement	Achievement with Merit	Achievement with Excellence
<ul style="list-style-type: none"> <li>• Identify key factors and their implications in formulating a brief to address an identified issue.</li>   <li>• Use planning to guide ongoing development work.</li> </ul>	<ul style="list-style-type: none"> <li>• Prioritise key factors, explaining their implications and interactions, in formulating a brief to address an identified issue.</li>   <li>• Use planning to develop, review and revise ongoing development work.</li> </ul>	<ul style="list-style-type: none"> <li>• Prioritise key factors, explaining their implications and interactions, in formulating a brief to address an identified issue.</li>   <li>• Use planning to develop, review and revise ongoing development work and to pre-empt anticipated problems and/or overcome actual problems and/or maximise opportunities.</li> </ul>
<ul style="list-style-type: none"> <li>• Develop and implement the one-off solution to demonstrate its fitness for purpose in addressing the issue.</li> </ul>	<ul style="list-style-type: none"> <li>• Develop and implement the one-off solution to demonstrate its fitness for purpose in addressing the issue and concerns of key stakeholders.</li> </ul>	<ul style="list-style-type: none"> <li>• Develop and implement the one-off solution to demonstrate its fitness for purpose in addressing the issue and concerns of key stakeholders. Justify the viability of the solution.</li> </ul>

## Linking of Assessment 2.1, 2.2 and 2.7

*Total credits 16*

2.1	2.2	2.7
Credits 6	Credits 6	Credits 4
PLANNING	ONE-OFF SOLUTION	DEMONSTRATE SKILLS
Identify key factors and their implications in formulating a brief to address an identified issue	<ul style="list-style-type: none"> <li>• Identify key factors and their implications in formulating a brief to address an identified issue.</li> </ul>	Demonstrate skills within an information and communication technology application when developing a technological outcome(s).
Use planning to guide ongoing development work	Use planning to guide ongoing development work.	
Use modeling media to develop and model a conceptual design and demonstrate its fitness for purpose to address the identified issue	Develop and implement the one-off solution to demonstrate its fitness for purpose in addressing the issue.	
<b>2.6 external</b>		

*These are the explanatory notes from the NZQA assessment which are important for the assessment of this project.*

The *issue* needs to be identified by the student from a teacher-given context. The issue may be personal to the student, or one owned by others. This issue will generate a range of needs or opportunities for technological practice.

*One-off solution* means a solution for which the implementation of a single constructed solution fully resolves the issue. A one-off solution is a completed product, system, or environment.

***Develop and implement*** includes all aspects of technological practice from the identification of the issue through to the implementation and evaluation of the one-off solution. ***Implement*** means to locate and test the solution in its intended environment to demonstrate its fitness for purpose.