

Information and Communication Technology 2.6

**Achievement Criteria 2.6
AS 90367**

**(external)
version 2**

Credits 4

**Examine technological knowledge in information
and communication technology practice**

This achievement standard involves examining technological knowledge underpinning the development of an information and communication technology outcome through identifying the knowledge and explaining how this knowledge informs one's own technological practice.

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Explanatory Notes

- 1 *Information and communication technology outcome* refers to that of a person or organisation other than the student.
- 2 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.
- 3 Terms
Explain means describe in detail.
Discuss means *compare and contrast*.

SUGGESTIONS FOR TECHNOLOGICAL PRACTICE:

For this portfolio evidence is required as follows: For this assessment you will need to submit a portfolio of work showing your knowledge and how it has affected the technology practice. This project is a report on your process throughout Level 2 Achievement Standards.

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Technology practice - work you have completed throughout the year eg 2.1 (90342) and 2.2 (90349)

Tech practice includes the following development process:

- *Scenario contexts*
- *Need/opportunity*
- *Identify stakeholders*
- *Identify Key factors*
- *Initial brief*
- *Initial specifications*
- *Constraints*
- *Concepts*
- *1st Evaluation*
- *Final brief*
- *Final specifications*
- *Develop ideas*
- *Evaluate ideas*
- *Research*
- *Mockups, models, prototypes*
- *2nd evaluation*
- *Final outcome/Presentation*
- *Final evaluation*

Technological knowledge that underpins the development of a technological outcome includes:

- Key resources that have been used in the development of the technological outcome including such things as people, time. Components, materials and/or techniques
- How and why these key resources have been used in the development of the technological outcome
- Technological principles that have been used in the development of the outcome and How the key resources and principles combine to enable the technological outcome to meet its specifications

Research Section

Explain or discuss how any of these affected the technological outcome of your project?

Communication Technology

is the term used to describe telecommunications equipment through which information can be sought and accessed, for example, phones, computer modems and faxes. **How did key resources help in the outcome including:**

- People
- Time
- Components
- Materials
- Techniques