

Achievement Standard

Subject Reference	Generic Technology 3.2		
Title	Undertake project management to support technological practice		
Level	3	Credits	4
		Assessment	Internal
Subfield	Technology		
Domain	Generic Technology		
Status	Registered	Status date	4 December 2012
Planned review date	31 December 2016	Date version published	4 December 2012

This achievement standard involves undertaking project management to support technological practice.

Achievement Criteria

Achievement	Achievement with Merit	Achievement with Excellence
<ul style="list-style-type: none"> Undertake project management to support technological practice. 	<ul style="list-style-type: none"> Undertake effective project management to support technological practice. 	<ul style="list-style-type: none"> Undertake efficient project management to support technological practice.

Explanatory Notes

- This achievement standard is derived from the Level 8 achievement objectives 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, 2010, at <http://seniorsecondary.tki.org.nz>.

Appropriate reference information is available in *Safety and Technology Education: A Guidance Manual for New Zealand Schools*, Ministry of Education, the Health and Safety in Employment Act 1992; and in the *Technology Curriculum Support*, May 2010, that can be found at <http://www.technology.tki.org.nz/L3AS/plan-practice-index>.

Further information can be found at <http://www.technology.tki.org.nz/>.

- Undertake project management to support technological practice* involves:
 - establishing a project schedule reflective of the physical and social environment where the outcome is to be developed and implemented, informed by existing practices in project management

- implementing the project schedule to coordinate goals, planning tools, resources, and progress review points in a coherent manner to ensure completion of an outcome.

Undertake effective project management to support technological practice involves:

- demonstrating project scheduling informed by a critical analysis of existing practices in project management
- reviewing progress at critical review points to revise and/or confirm project scheduling to ensure completion of an outcome.

Undertake efficient project management to support technological practice involves:

- optimising time and material use to ensure completion of an outcome, through ongoing reflection of the practice undertaken, and revision of project scheduling.

- 3 Existing practices in project management may include those used by past students, managers, industry mentors and practising technologists.
- 4 *Project management* ensures that all aspects of development are coordinated to effectively manage resources within the physical and social environment where the outcome is to be developed.
- 5 Resources may include: time, materials, tools and equipment, research information, stakeholders and specialist knowledge and skills residing in community and school experts.
- 6 *Technological practice* is undertaken to develop an outcome. An outcome for the purpose of this standard is a conceptual design for an outcome and/or a technological outcome itself (prototype).
- 7 Conditions of Assessment related to this achievement standard can be found at <http://ncea.tki.org.nz/>.

Replacement Information

This achievement standard, AS91608, and AS91610 replaced AS90613.

This achievement standard, AS91608, AS91610, and AS91611 replaced AS90620 and unit standard 13391.

This achievement standard replaced unit standard 7544.

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