Achievement Standard

Subject Reference	Generic Technology 2.2
Title	Select and use planning tools to manage the development of an outcome

Level 2 **Credits** 4 **Assessment** Internal

Subfield Technology

Domain Generic Technology

Status Registered **Status date** 17 November 2011

Planned review date 31 December 2018 **Date version published** 20 November 2014

This achievement standard requires the selection and use of planning tools to manage the development of an outcome.

Achievement Criteria

Achievement	Achievement with Merit	Achievement with Excellence
• Select and use planning tools to manage the development of an outcome.	• Select and use planning tools to effectively manage the development of an outcome.	• Select and use planning tools to efficiently manage the development of an outcome.

Explanatory Notes

1   This achievement standard is derived from Level 7 of 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/Curriculum-support/Safety-and-Technology-Education, and the Health and Safety in Employment Act 1992.

This standard is also derived from Te Marautanga o Aotearoa. For details of Te Marautanga o Aotearoa achievement objectives to which this standard relates, see the Papa Whakaako for the relevant learning area.

2   *Select and use planning tools to manage the development of an outcome* involves:
- selecting planning tools informed by a review of existing planning tools
- using selected planning tools to set achievable goals, establishing resources required and determining critical review points
- managing the development and reviewing progress as planned to ensure completion of an outcome.

Select and use planning tools to effectively manage the development of an outcome involves:
- selecting planning tools informed by an analysis of existing planning tools
- reviewing progress at critical review points to revise and/or confirm goals, resources and planning tools to ensure completion of an outcome.

Select and use planning tools to efficiently manage the development of an outcome involves:
- ongoing reflection on goals, resources and planning tools to optimise time and material use to ensure completion of an outcome.

3   Planning tools may include but are not limited to: brainstorms, mind-maps, idea banks, reflective journals and scrapbooks, plans of action, Gantt charts, flow diagrams, graphical organisers, and spreadsheets and databases.

4   Existing planning tools may include but are not limited to: those used by students, managers, industry mentors and practicing technologists.

5   Resources may include but are not limited to: time, materials, tools and equipment, research information, and community and school-based specialist knowledge and skills.

6   *An outcome* 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/Resources-for-Internally-Assessed-Achievement-Standards.

Replacement Information
This achievement standard, AS91354, and AS91357 replaced AS90347, AS90348, AS90349, AS90350, AS90351, AS90352, and unit standard 13410.

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