



NEW ZEALAND QUALIFICATIONS AUTHORITY
MANA TOHU MĀTAURANGA O AOTEAROA

Scholarship, 2004

Technology (93601)

National Statistics

Assessment Report

Assessment Schedule

Technology, Scholarship, 2004

National Statistics

Number of Results	Percentage		
	Not Achieved	Scholarship	Outstanding
49	77.5%	18.4%	4.1%

Assessment Report

Quality of the Candidates Submissions

The Scholarship Standard for Technology (90601) required candidates to submit a report that demonstrated critical reflection on their technological experiences in developing a technological outcome(s). This reflection required candidates to demonstrate that they had brought together knowledge, skills and ideas in order to:

- explain the complexities of the situation(s) that they had developed a technological outcome(s) for, in terms of how these situation(s) were identified and explored
- justify the way in which their practice and outcome(s) addressed problem(s) identified for the situation(s); and
- demonstrate how their own technological practice was informed through analysing and critiquing the practice(s) of other practicing technologists (including their peers) from a range of contexts that were linked to the outcome(s) they potentially realise.

Reflections presented in candidates' reports needed to demonstrate a high level of synthesis, integration and critical reflection. To support the reflective comments made by candidates in their reports, corresponding evidence of their undertaking technological practice to develop a technological outcome(s) also had to be submitted for assessment.

In 2004, a number of candidates presented evidence of undertaking technological practice to develop a technological outcome(s) without a report that demonstrated the necessary critical reflection on their technological experiences, as described above. Others wrote a report without submitting the supporting evidence of the practice they had undertaken.

Few candidates provided evidence that demonstrated how their own technological practice was informed through analysing and critiquing the practice(s) of other practicing technologists across a range of contexts. Where this evidence was presented, candidates usually only presented evidence of analysis of a practicing technologist(s) working in a similar context to that of their own. In this instance, understandings gained from the analysis were often presented as being taken directly into the candidate's practice.

Few candidates presented evidence of exploring the potential for using understandings about the knowledge, skills and/or practices, used by practicing technologists within contexts other than those directly related to the context in which they were working themselves. For example when designing a garment for Streetwear, the majority of candidates only presented evidence of having analysed practicing technologists who were clothing designers. This included such people as Karen Walker, Trelise Cooper and/or Nicholas Blanchett.

Looking at the practices of technologists outside the fashion industry, to develop understandings of how other materials can be worked or modified, such as metal spinning or alternative uses for recycled plastics, may have provided an opportunity for candidates to broaden their understanding of how materials can be worked and/or enhance ideas for how materials other than textiles could be included in the design of their streetwear. Similarly, looking at technologists from related contexts, such as the

practices of costume designers from *The Lord of the Rings* may have provided an alternative insight into technological practice(s) that could have informed a candidate's own practice.

Few candidates also reported on how they modified and/or rejected understandings they had gained from analysing the practices of practicing technologists or through undertaking their own technological practice.

Rather than submitting a written report for assessment, a number of candidates in 2004 chose to present their report as an oral presentation in video format. Other candidates used a combination of written and graphic media to present their reports and supporting evidence of undertaking technological practice for assessment. Providing detailed evidence/explanations of technological outcome(s) through the use of graphic images, video clips and or the outcome(s) itself (where possible) that explained how the outcome(s) had addressed the situation(s), assisted in validating the reflective comments made in the candidates report. Providing clear evidence of the outcome details/features of technological outcome(s) as supporting evidence to candidate reports assisted examiners in making judgements for award of scholarship.

The criteria for Outstanding Performance (elegance and elements of originality) need to be further defined.

It was evident in a number of candidate submissions that the use of the phrase 'technological experiences' caused confusion as to what evidence needed to be presented for assessment. In other achievement standards (Levels 1–3) the list of activities as described in Explanatory Note 6 for 'technological experiences' is associated with the undertaking of 'technological practice' – a change at scholarship level to referring to these as 'experiences' may account for this confusion.

Assessment Schedule

Scholarship Technology (93601)

Evidence Statement

Evidence

A **report** that presents the student's experiences in developing a technological outcome(s) in terms of:

- **explaining** *how* the complexities of the situation(s) have been *identified* and *explored* including such things as *stakeholder issues, organisation and management issues, resource issues*
- **justifying** the technological practice they have undertaken
- **justifying** *why* the outcome(s) *address* the problem(s)
- **critically reflecting** on *their technological practice* and *experiences with reference to that of others* to **inform** their own practice
- **demonstrating** *synthesis* and *integration* of technological experiences to allow technological outcome(s) to be realised

The report **must** include a portfolio of **evidence of the technological practice** and the **outcome(s) of that practice** that is presented as student experiences in the report

Scholarship

Within their report students have:

- **explained** how the complexities of the situation(s) have been identified and explored
- **justified comprehensively** the technological practice they have undertaken
- **justified comprehensively** why the outcome(s) address the problem(s)
- **critically reflected** on *their technological practice* and *experiences with reference to that of others* through:
 - *evaluating information,*
 - *analysing understandings and practices*
 that affect the development of technological outcome(s), in order to **inform their own practice**
- **demonstrated** *synthesis* and *integration* of technological experiences in bringing together knowledge skills, ideas and methods in order to allow their technological outcome(s) to be realised

Material presented in student's portfolio provides **evidence that supports** the *explanations, justifications* and *reflections* made in the report.

Scholarship with outstanding performance

Within their **report** and **portfolio** of evidence that supports *the explanations, justifications* and *reflections* made in the report the student has:

Achieved **all** of the criteria for scholarship **plus** demonstrated:

- **elegance** in terms of *ingenuity, simplicity, optimisation* and *polish* of their technological practice and its resulting outcome(s)
- **originality** in terms of *inventiveness, innovation* and *elements of unconventionality* in the technological practice they undertake and its resulting outcome(s)