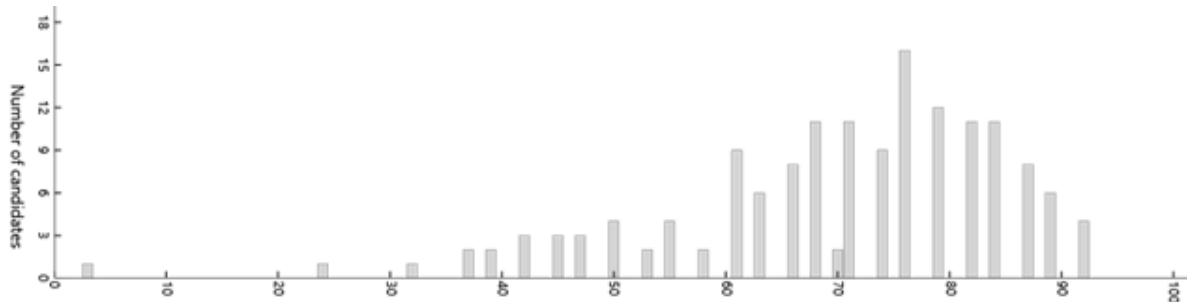




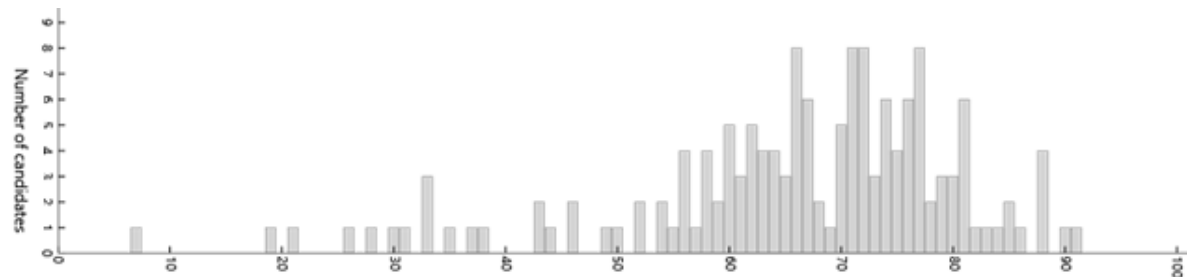
Summary report of the 2019 ATAR course examination: Materials Design and Technology

Year	Number who sat all examination components	Number of absentees from all examination components
2019	151	1
2018	165	0
2017	200	0
2016	213	2

Examination score distribution–Practical



Examination score distribution–Written



Summary

Practical examination

Attempted by 152 candidates Mean 70.00% Max 92.11% Min 2.63%

Section means were:

Practical Portfolio (Wood)	Mean 66.67%		
Attempted by 63 candidates	Mean 66.67(/100.00)	Max 92.11	Min 36.84
Practical Portfolio (Metal)	Mean 70.50%		
Attempted by 19 candidates	Mean 70.50(/100.00)	Max 84.21	Min 57.89
Practical Portfolio (Textiles)	Mean 72.86%		
Attempted by 70 candidates	Mean 72.86(/100.00)	Max 92.11	Min 2.63

Advice for teachers

- Ensure that students understand different types of advancements in manufacturing methods.
- Provide students with opportunities to practise their interpretation of questions.
- Students need more exposure to creating jigs or patterns.

Comments on specific sections and questions

Practical examination

Practical portfolio (Wood/Metal/Textiles) (38 marks)

Across all three contexts the statement of intent was completed competently by candidates. However, some candidates wrote excessively and in later questions did not relate their choices back to their statement of intent. This was also the case in relating information about sustainability and green principles. The quality of sketches was in some instances poor and many candidates did not include statements about safety procedures. Photographic evidence however, was thorough and detailed.

Written examination

Section One: Short answer (27 Marks)

Candidate performance indicated a strong understanding of the common content that was examined in Section One. The mean for this section was 70.76%.

Section Two: Extended answer (37 Marks)

Candidates performed very well in this section, with the mean score for Section Two: Extended answer being 66.38%. However, an area that showed a need for improvement was candidates' understanding of different types of advancements in manufacturing method.

Section Three: Wood (69 Marks)

The addition of some of the more complex syllabus content meant parts of the paper were more challenging than in the recent past, resulting in clearer discrimination of candidates of different abilities.

Section Three: Metal (69 Marks)

The addition of some of the more complex syllabus content meant parts of the paper were more challenging than in the recent past, resulting in clearer discrimination of candidates of different abilities.

Section Three: Textiles (69 Marks)

The addition of some of the more complex syllabus content meant parts of the paper were more challenging than in the recent past, resulting in clearer discrimination of candidates of different abilities.