

Office of Review


VCE

Victorian Certificate of Education

BENCHMARKS 97

VCE

Victorian Certificate of Education



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Introduction

The Victorian accountability framework, *Quality Assurance in Victorian Schools*, aims to support schools to improve their effectiveness. It does this by providing the framework through which schools can learn about the effectiveness of their programs, their policies, their processes and procedures.

The school annual report and the triennial school review are the formal framework for assessment of school performance. They summarise the data collected on each school's achievement in the delivery of its curriculum, the quality of its student welfare and management programs, its organisational health and its relationships with its community. They indicate the standards of learning achieved by its students.

To support schools in monitoring and improving their effectiveness, the Office of Review publishes school performance benchmarks each year. These benchmarks analyse the actual levels of performance reported by schools in their annual reports. They do not, as some commercial benchmarking frameworks do, concentrate on the characteristics of specific processes in order to identify "best practice". Rather, they analyse the results of school processes and help schools to answer the question: "Is what we have achieved good enough?"

School performance benchmarks address this question by identifying performance levels achieved by schools across the state and presenting them so that individual schools are able to compare their own performance with the performance achieved by their colleagues in other schools. School performance benchmarks are presented either for all schools across the state or in groupings or categories of "like" schools. The

structure of the "like" schools groupings and a method for calculating which grouping an individual school is in are described in Appendix 1.

For the 1997 data, nine "like" school groupings are used. This contrasts to VCE data from previous years where eighteen groups were formed. The extra groups were an attempt to allow schools at the borders of a group to have a second comparison. However, feedback from schools indicated that a second comparison was not necessary.

A listing of the schools in each group is included in Appendix 2.

School performance benchmarks 1997

In 1998, the Office of Review is presenting school performance benchmarks in the following areas:

- Student achievement in the Victorian Certificate of Education (VCE)
- Student achievement in the Years Prep–10
- Time allocated to each KLA by year level
- Student absence rates
- Student post-school destinations, exit Years 10, 11 and 12
- Staff opinion survey
- Staff absence rates
- Staff participation in professional development
- Student accidents by location and severity
- Student retention from Year 11–12
- Student retention, Year 12.

This 1998 VCE benchmark publication includes data not provided in 1997. Data are provided on student achievement by gender, on selected entry schools, on girls in both coeducational and girls only schools and on stand alone, multi-campus and senior secondary colleges. Data are also provided on differences by region and by the geographical categories of metropolitan, provincial and rural schools.

Over time, the performance benchmarks will develop in sophistication and also include Aboriginal and Torres Strait Islander students, students whose parents qualify for the Educational Maintenance Allowance or Austudy and students who speak a language other than English at home. It is expected that national and international benchmarks will also become available.

Schools can also learn about their effectiveness by comparing their current performance levels with their own past performance. The school charter then enables schools to plan for improved achievements in key areas of their operations and to set challenging performance expectations for themselves.

Student achievement VCE 1997

The information relating to student achievement in the Victorian Certificate of Education (VCE) outlined in this publication relate to Common Assessment Task (CAT) grades, performance in English and Mathematics and retention.

CAT grades across all studies for all Victorian government school VCE students are given in both tabular and graphical form. These representations show the proportion of A+, A, B+, etc in all studies for all government school VCE students expressed as a percentage of all grades awarded.

Data are also provided for VCE English, Mathematical Methods and Further Mathematics. The performance of all students in government schools for each of the three studies is presented,

together with the average performance of all students in each "like" school group.

In addition to the extra data provided in 1998 described above, the relative performance of the average and highest school for each "like" school group are provided.

Year 11–12 student retention data have also been included in VCE benchmarks. Previously these were presented in a separate document along with a discussion of the factors which affect retention. Year 12 retention, from February 1997 to August 1997, has also been included.

Interpretation of results

The school's VCE results can be interpreted by following a simple procedure:

1. Compare the school's distribution of CAT grades with the state results. (Note that the statewide CAT grade distributions were sent to schools with information about their VCE results by the Office of Review in February 1998.) Does the school's distribution of results fit the state profile or is the distribution skewed positively or negatively against the state profile?

What is the proportion of A+, A and other grades achieved by the school compared with the state profile?

2. Compare the school's mean study scores in English with the state mean. The state results also give the standard deviation for all the students in the state. Sixty-seven per cent of students will score within the range plus and minus one standard deviation from the mean

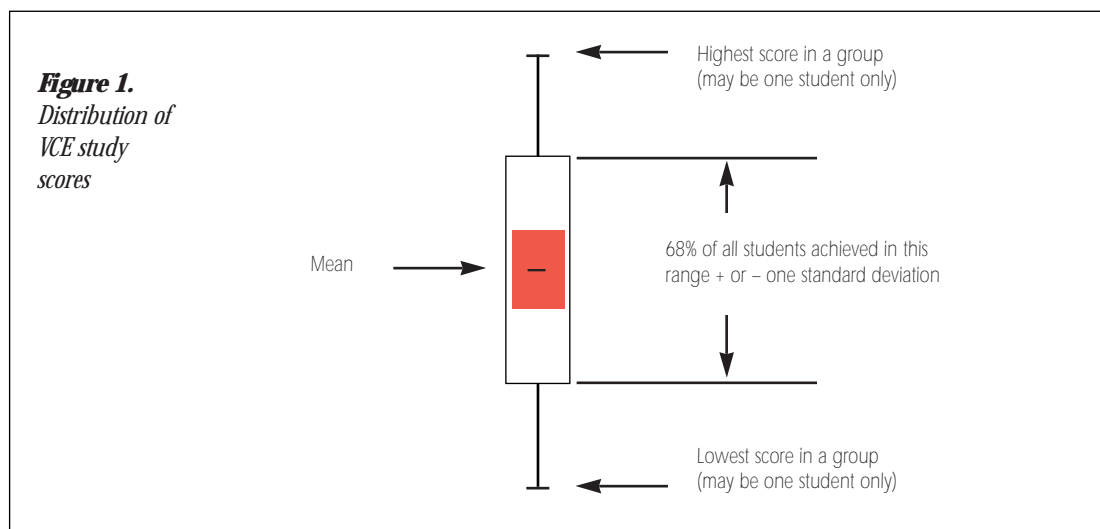
(the shaded rectangle). Sixteen point five per cent of students are in the top section and the same proportion in the lower section (see figure below).

3. Compare the school's mean score and standard deviation with the mean score for the "like" school group and for the best performing school in the group.

The highest and lowest points refer to the performance of individual students. These are provided for interest but have little comparative value in terms of the performance of an entire VCE cohort.

4. In comparing the performance of boys and girls, it is also the position of the mean and the standard deviation which should be considered.
5. Compare the performance of the school with schools in other "like" school groups with different student population characteristics.

6. Repeat the procedure for Mathematical Methods and Further Mathematics.
7. Other data, such as Year 12 and Years 11–12 retention, destination of exit students, geographical location and type of school will also add value to judgements of VCE performance and should also be considered.



Making judgements

The key questions to be answered in consideration of the school's VCE results are:

“Is the school's performance considered satisfactory? Where is there scope for improvement?”

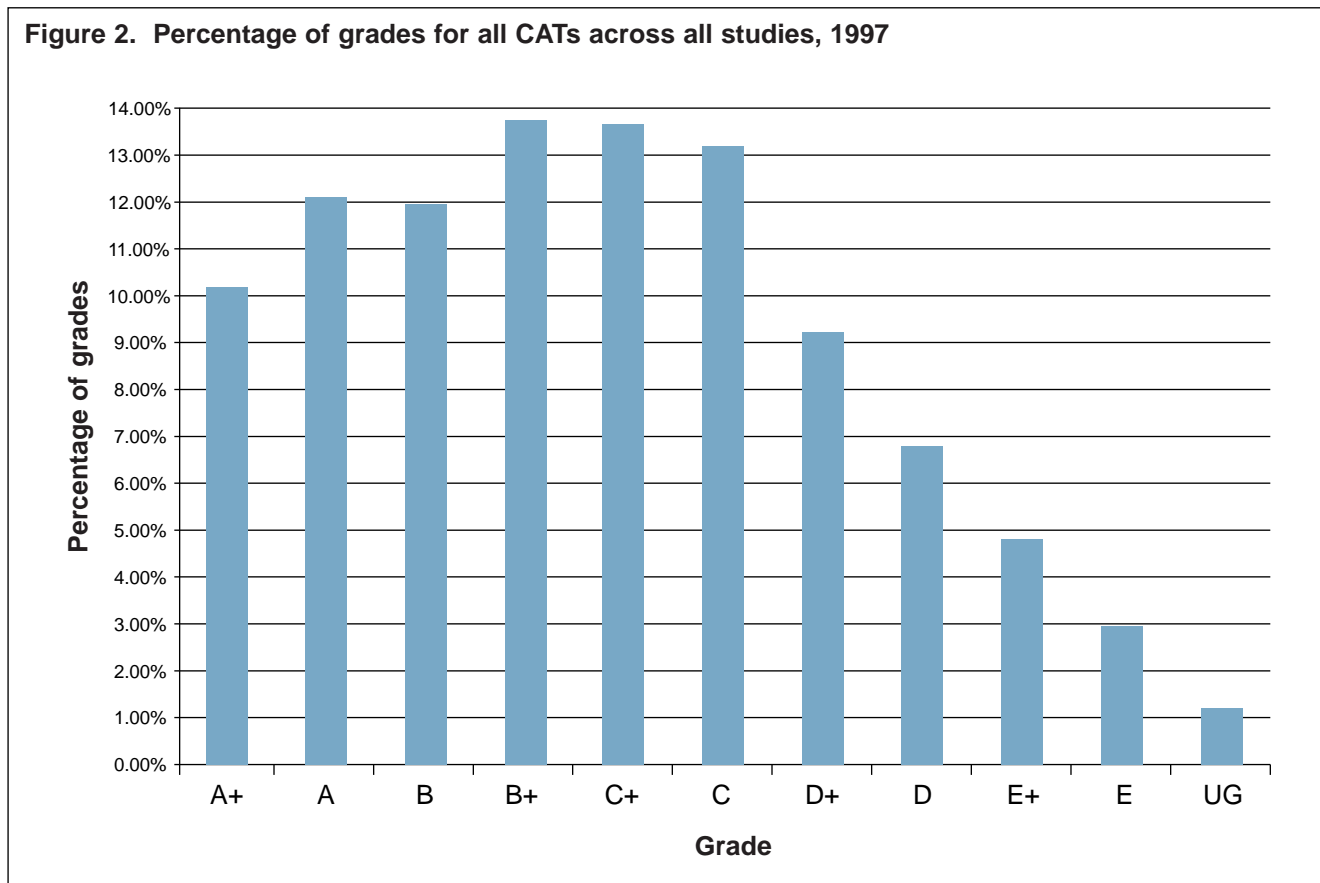
In developing answers to these questions, any available data on previous VCE performance, the apparent Year 11–12 retention rate, the Year 12 retention rate, the destination of exit students, comparisons with “like” schools, with the state as a whole and with previous performance should all be

taken into account. Although VCE results compared with schools with similar student populations represent one element of achievement, also important are the proportions of students in Years 10, 11 and 12 who are able to find employment or places in technical, further or higher education.

Distribution of 1997 VCE CAT results

Table 1. Distribution of 1997 VCE CAT results

A+	A	B	B+	C+	C	D+	D	E+	E	UG
10.40%	12.20%	12%	13.70%	13.60%	13.20%	9.30%	6.80%	4.70%	3%	1.30%



Distribution of 1997 VCE study scores by study area



Study score distribution within English

Table 2. Study score distribution within the specified study

Subject: EN01 English

"Like" school group: 1 Nil or very low proportions of LOTF speakers at home/low proportions of EMA or Austudy recipients

	No. students	Maximum	Mean + STD	Mean	Mean - STD	Minimum
State results	State result (all students)	50.0	35.2	28.4	21.6	3.0
	State result (girls)	50.0	36.1	29.6	23.1	3.0
	State result (boys)	10,347	50.0	33.7	26.8	19.9
"Like" school average results for group	Average result (all students)	48.0	35.7	29.4	23.1	8.0
	Average result (girls)	48.0	37.1	30.9	24.7	9.0
	Average result (boys)	47.0	33.8	27.7	21.7	8.0
"Like" school best results in group	Best school result (all students)	46.0	37.0	31.2	25.5	21.0
	Best school result (girls)	45.0	41.2	34.1	27.1	20.0
	Best school result (boys)	43.0	34.8	29.5	24.3	21.0

Key

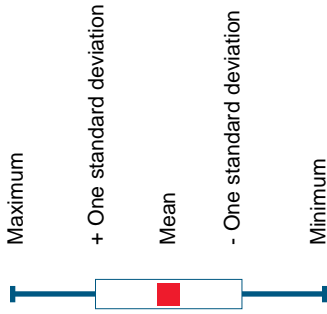


Figure 3. State results

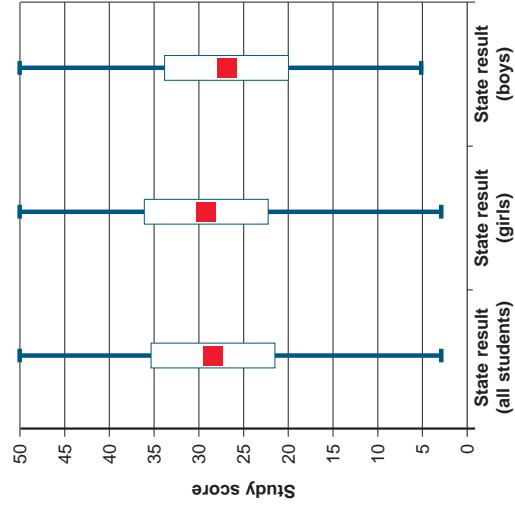


Figure 4. "Like" school results (average for group)

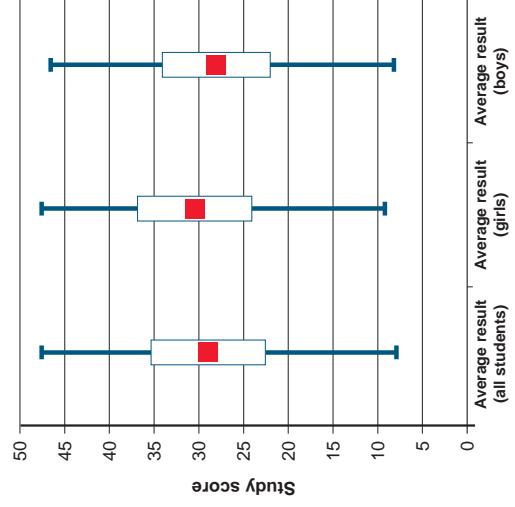


Figure 5. "Like" school results (best school in group)

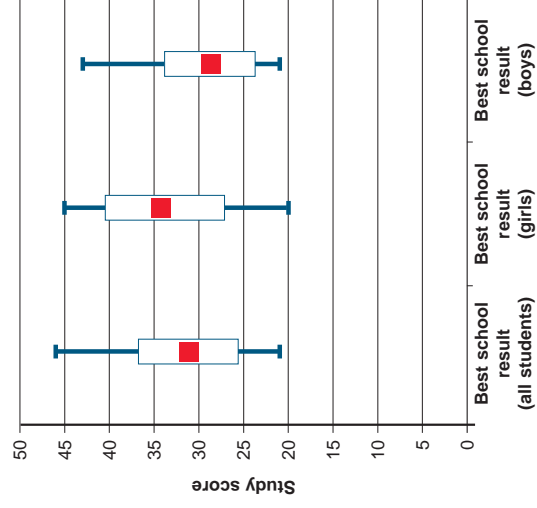
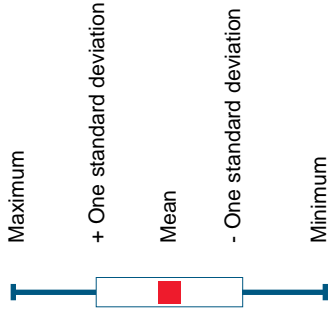


Table 3. Study score distribution within the specified study

Subject: EN01 English

“Like” school group: 2 Low proportions of LOTE speakers at home/low proportions of EMA or Austudy recipients

Key



	No. students	Maximum	Mean + STD	Mean	Mean - STD	Minimum
State results	State result (all students)	50.0	35.2	28.4	21.6	3.0
	State result (girls)	50.0	36.1	29.6	23.1	3.0
	State result (boys)	50.0	33.7	26.8	19.9	5.0
“Like” school average results for group	Average result (all students)	50.0	36.8	30.4	23.9	7.0
	Average result (girls)	50.0	37.8	31.6	25.4	7.0
	Average result (boys)	50.0	34.9	28.5	22.1	8.0
“Like” school best results in group	Best school result (all students)	48.0	39.9	34.2	28.4	21.0
	Best school result (girls)	49.0	40.3	34.3	28.3	19.0
	Best school result (boys)	46.0	38.9	32.0	25.1	15.0

Figure 6. State results

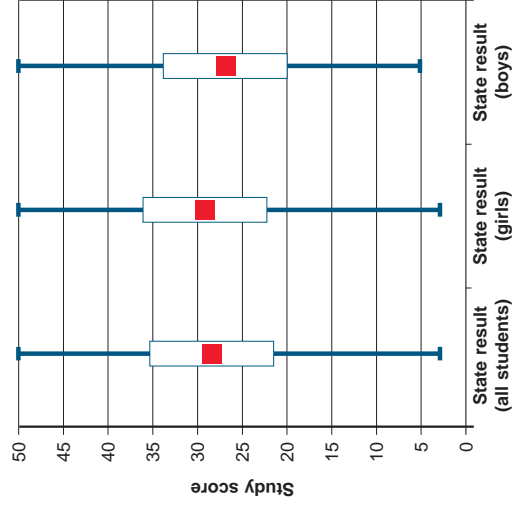


Figure 7. “Like” school results (average for group)

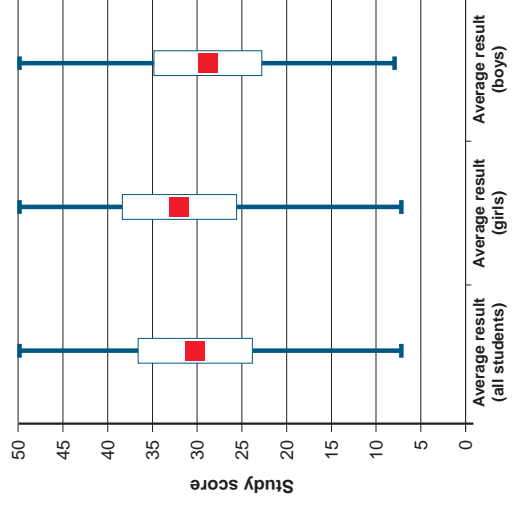


Figure 8. “Like” school results (best school in group)

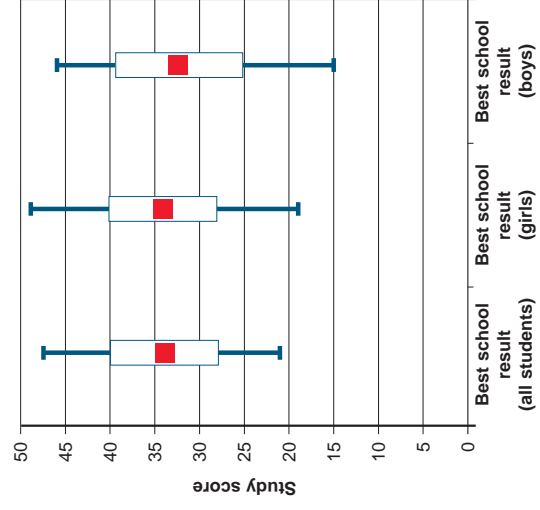


Table 4. Study score distribution within the specified study

Subject: EN01 English
 "Like" school group: 3 Medium to high proportions of LOTF speakers at home/low proportions of EMA or Austudy recipients

	No. students	Maximum	Mean + STD	Mean	Mean - STD	Minimum
State results	State result (all students)	50.0	35.2	28.4	21.6	3.0
	State result (girls)	50.0	36.1	29.6	23.1	3.0
	State result (boys)	50.0	33.7	26.8	19.9	5.0
"Like" school average results for group	Average result (all students)	50.0	39.6	33.5	27.5	11.0
	Average result (girls)	50.0	41.0	35.0	29.1	17.0
	Average result (boys)	50.0	37.8	32.0	26.2	11.0
"Like" school best results in group	Best school result (all students)	50.0	40.4	35.1	29.8	22.0
	Best school result (girls)	49.0	41.7	36.3	31.0	25.0
	Best school result (boys)	50.0	39.2	34.2	29.2	22.0

Key

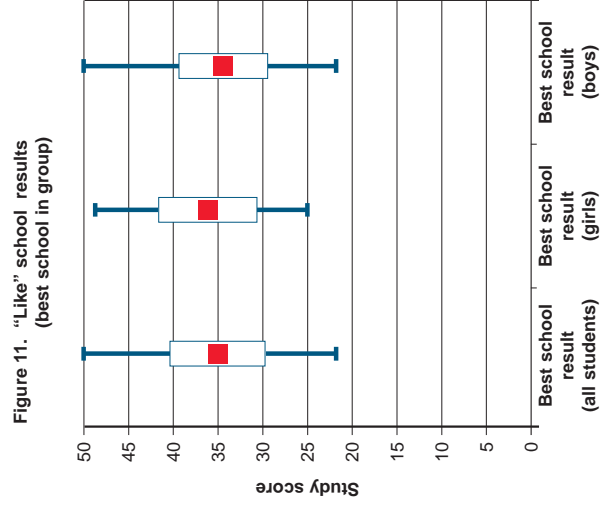
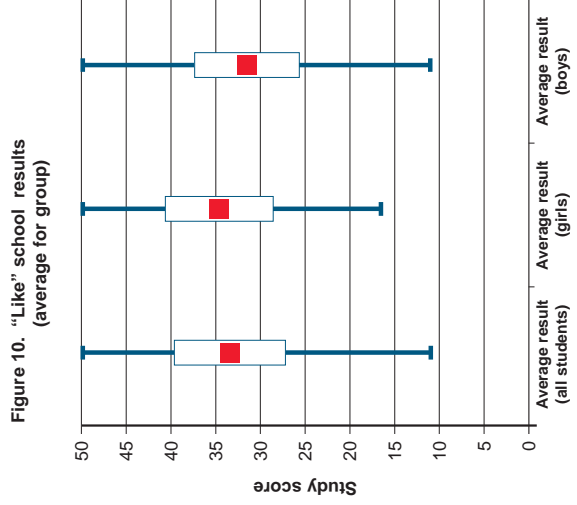
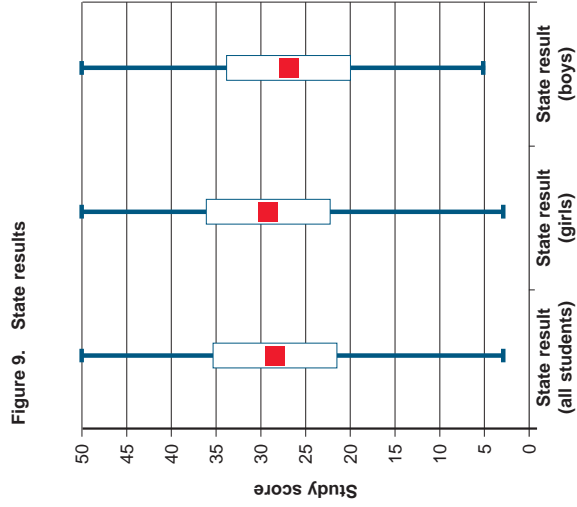
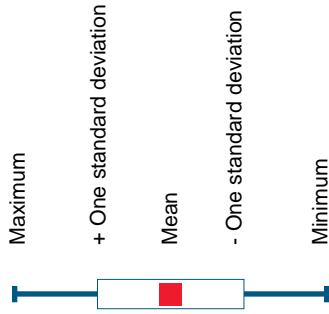
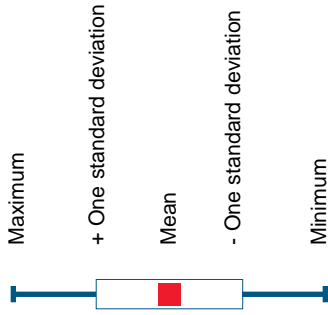


Table 5. Study score distribution within the specified study

Subject: EN01 English

“Like” school group: 4 Nil or very low proportions of LOTE speakers at home/medium proportions of EMA or Austudy recipients

Key



	No. students	Maximum	Mean + STD	Mean	Mean - STD	Minimum
State results	State result (all students)	50.0	35.2	28.4	21.6	3.0
	State result (girls)	50.0	36.1	29.6	23.1	3.0
	State result (boys)	50.0	33.7	26.8	19.9	5.0
“Like” school average results for group	Average result (all students)	49.0	34.7	28.2	21.7	3.0
	Average result (girls)	48.0	35.6	29.4	23.2	3.0
	Average result (boys)	49.0	33.1	26.6	20.1	5.0
“Like” school best results in group	Best school result (all students)	49.0	43.2	33.7	24.2	20.0
	Best school result (girls)	46.0	40.1	35.3	30.4	25.0
	Best school result (boys)	40.0	36.3	32.2	28.1	25.0

Figure 12. State results

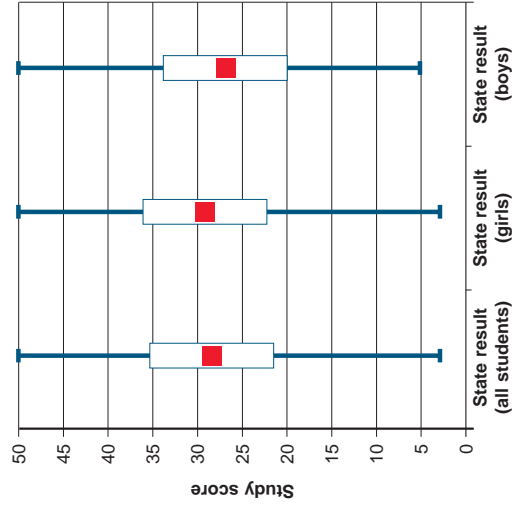


Figure 13. “Like” school results (average for group)

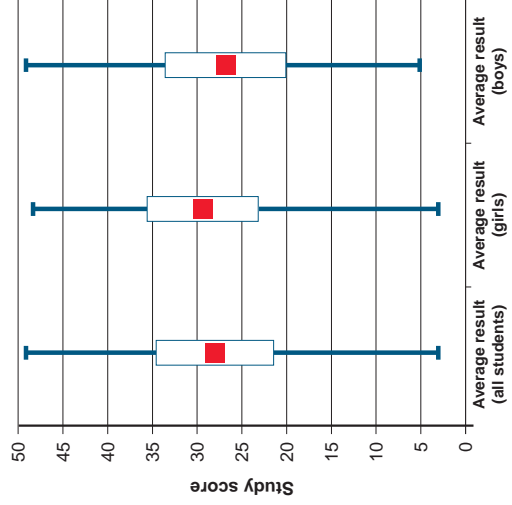


Figure 14. “Like” school results (best school in group)

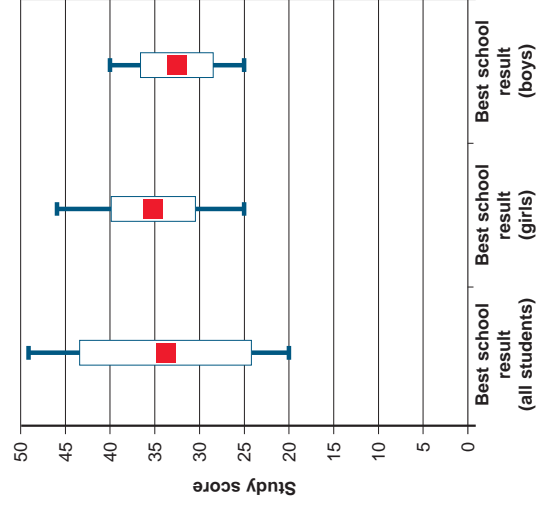


Table 6. Study score distribution within the specified study

Subject: EN01 English
 "Like" school group: 5 Low proportions of LOTE speakers at home/medium proportions of EMA or Austudy recipients

	No. students	Maximum	Mean + STD	Mean	Mean - STD	Minimum
State results	State result (all students)	50.0	35.2	28.4	21.6	3.0
	State result (girls)	50.0	36.1	29.6	23.1	3.0
	State result (boys)	10,347	50.0	33.7	26.8	5.0
"Like" school average results for group	Average result (all students)	49.0	34.3	27.7	21.0	6.0
	Average result (girls)	1,865	35.4	29.0	22.7	10.0
	Average result (boys)	1,641	49.0	32.6	26.1	6.0
"Like" school best results in group	Best school result (all students)	49.0	39.7	33.0	26.3	15.0
	Best school result (girls)	49	40.0	34.5	28.7	22.0
	Best school result (boys)	69	43.0	37.8	25.0	9.0



Figure 15. State results

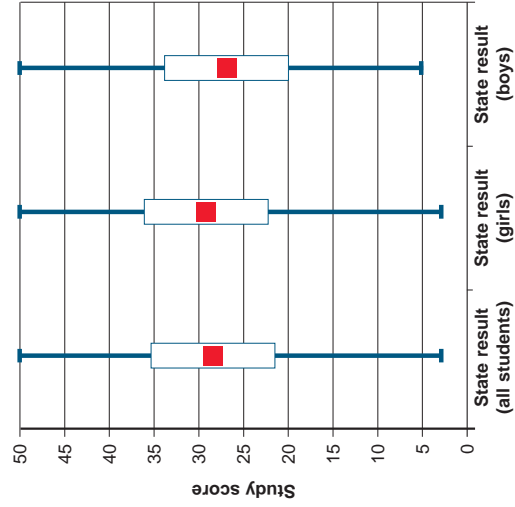


Figure 16. "Like" school results (average for group)

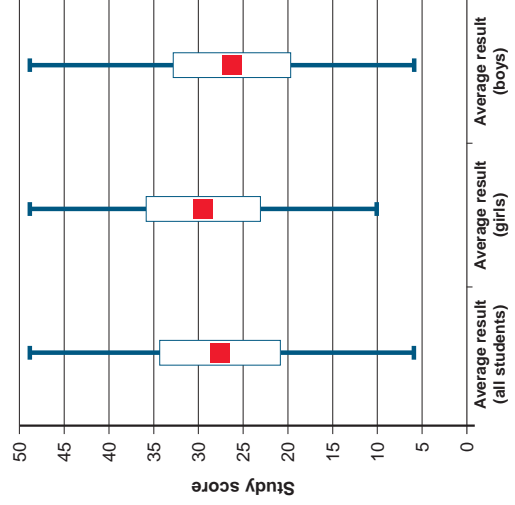


Figure 17. "Like" school results (best school in group)

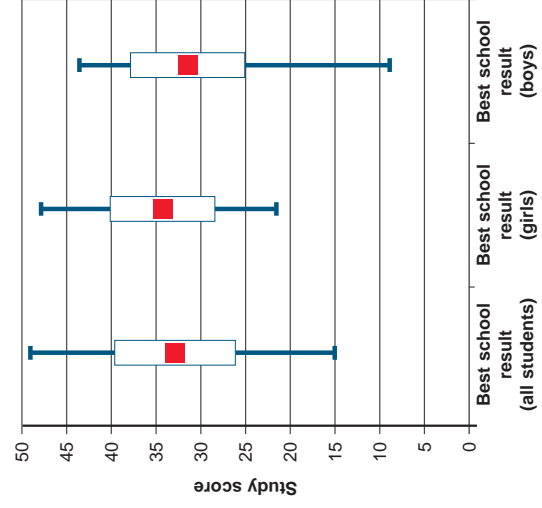


Table 7. Study score distribution within the specified study

Subject: EN01 English

“Like” school group: 5 Medium to high proportions of LOTE speakers at home/medium proportions of EMA or Austudy recipients

	No. students	Maximum	Mean + STD	Mean	Mean - STD	Minimum
State results	State result (all students)	50.0	35.2	28.4	21.6	3.0
	State result (girls)	13,128	36.1	29.6	23.1	3.0
	State result (boys)	10,347	33.7	26.8	19.9	5.0
“Like” school average results for group	Average result (all students)	48.0	33.6	27.1	20.6	9.0
	Average result (girls)	879	34.5	28.3	22.1	10.0
	Average result (boys)	630	31.9	25.4	18.9	9.0
“Like” school best results in group	Best school result (all students)	89	38.7	32.0	25.3	14.0
	Best school result (girls)	50	40.2	33.9	27.7	17.0
	Best school result (boys)	34	42.0	29.7	24.0	19.0



Figure 18. State results

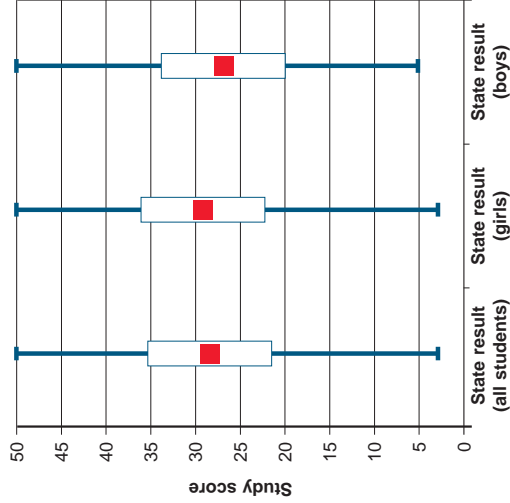


Figure 19. “Like” school results (average for group)

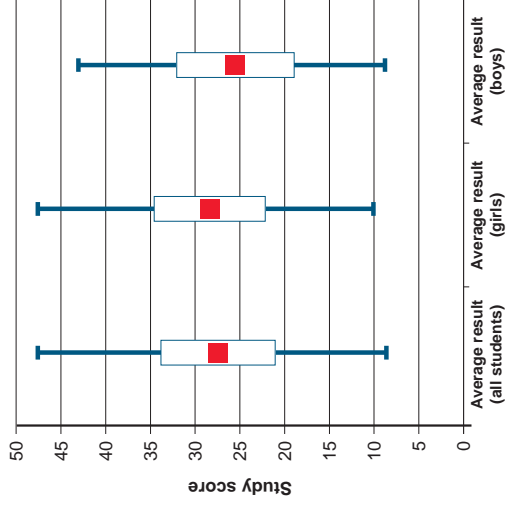


Figure 20. “Like” school results (best school in group)

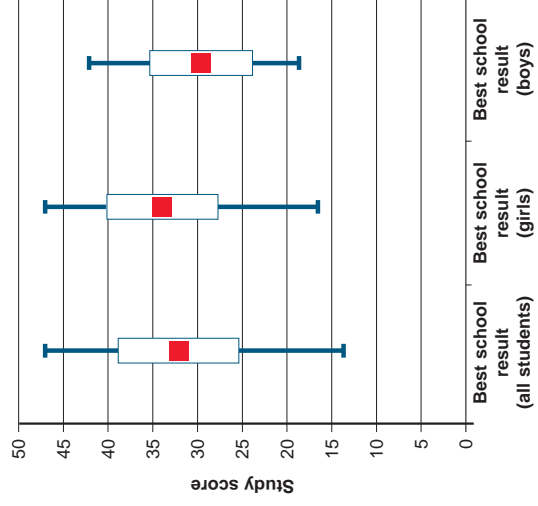


Table 8. Study score distribution within the specified study

Subject: EN01 English

"Like" school group: 7 Nil or very low proportions of IOTF speakers at home/high proportions of EMA or Austudy recipients

	No. students	Maximum	Mean + STD	Mean	Mean - STD	Minimum
State results	State result (all students)	50.0	35.2	28.4	21.6	3.0
	State result (girls)	50.0	36.1	29.6	23.1	3.0
	State result (boys)	10,347	50.0	33.7	26.8	5.0
"Like" school average results for group	Average result (all students)	50.0	34.2	27.4	20.6	5.0
	Average result (girls)	1,707	35.3	28.9	22.6	7.0
	Average result (boys)	1,455	50.0	32.5	25.6	5.0
"Like" school best results in group	Best school result (all students)	46.0	39.6	34.2	28.8	25.0
	Best school result (girls)	7	42.7	35.1	27.6	25.0
	Best school result (boys)	6	37.0	33.8	31.2	30.0

Key

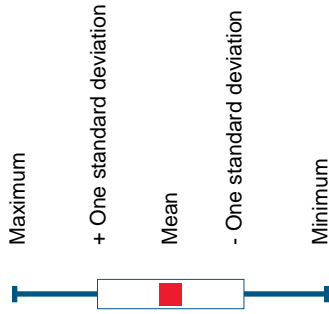


Figure 21. State results

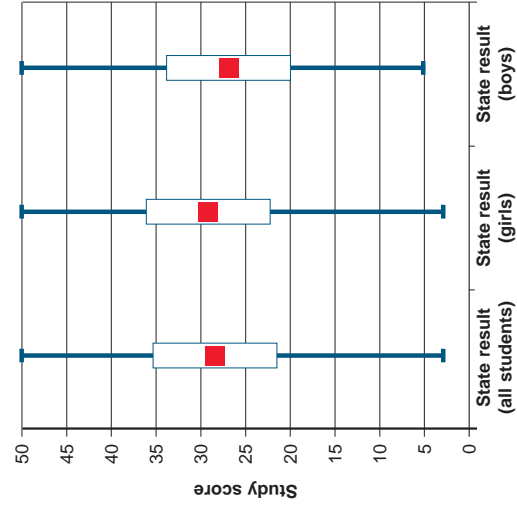


Figure 22. "Like" school results (average for group)

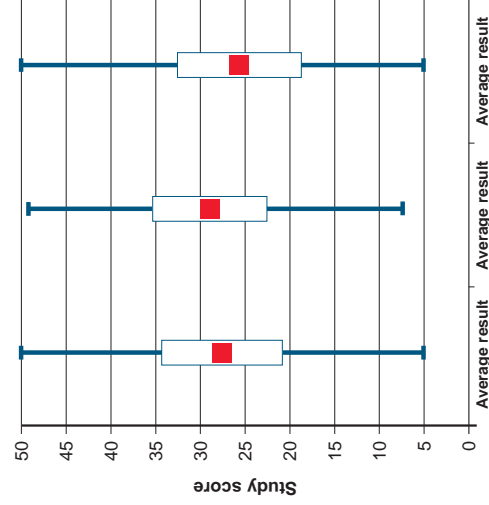


Figure 23. "Like" school results (best school in group)

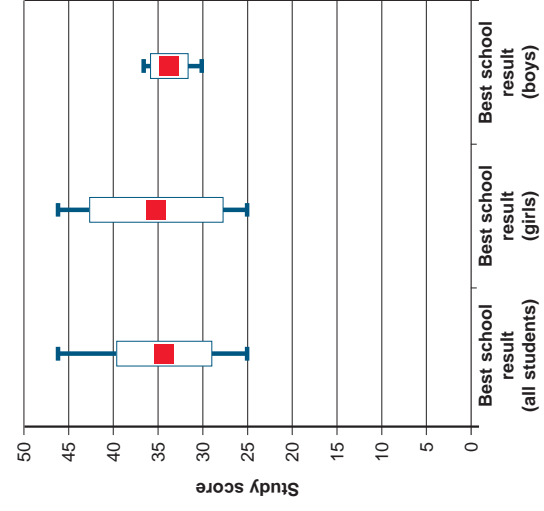


Table 9. Study score distribution within the specified study

Subject: EN01 English

“Like” school group: 8 Low proportions of LOTE speakers at home/high proportions of EMA or Austudy recipients

	No. students	Maximum	Mean + STD	Mean	Mean - STD	Minimum
State results	State result (all students)	50.0	35.2	28.4	21.6	3.0
	State result (girls)	50.0	36.1	29.6	23.1	3.0
	State result (boys)	50.0	33.7	26.8	19.9	5.0
“Like” school average results for group	Average result (all students)	43.0	31.5	24.9	18.3	6.0
	Average result (girls)	42.0	32.4	25.9	19.4	8.0
	Average result (boys)	43.0	30.1	23.5	16.9	6.0
“Like” school best results in group	Best school result (all students)	41.0	38.4	29.6	20.9	13.0
	Best school result (girls)	42.0	36.3	29.6	22.8	15.0
	Best school result (boys)	43.0	33.4	26.6	19.8	16.0



Figure 24. State results

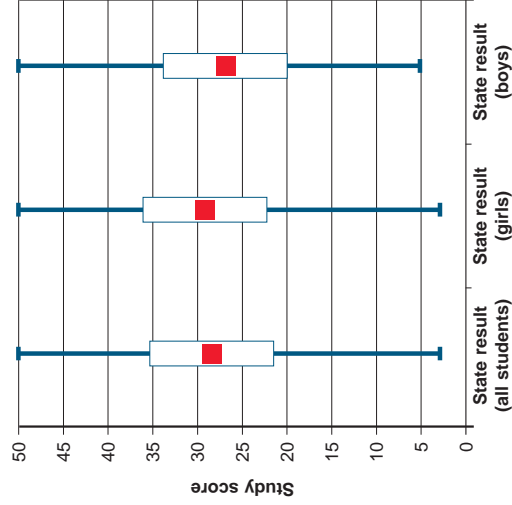


Figure 25. “Like” school results (average for group)

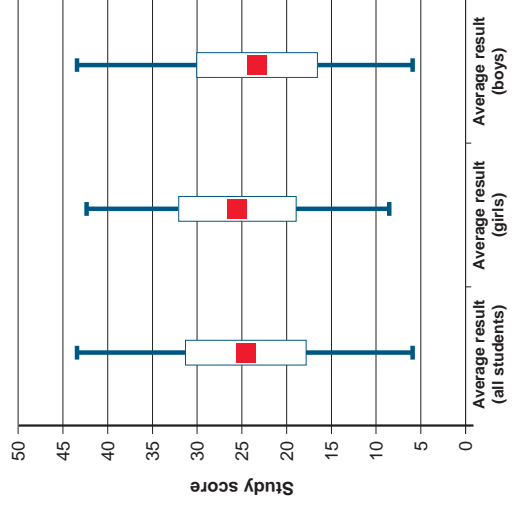


Figure 26. “Like” school results (best school in group)

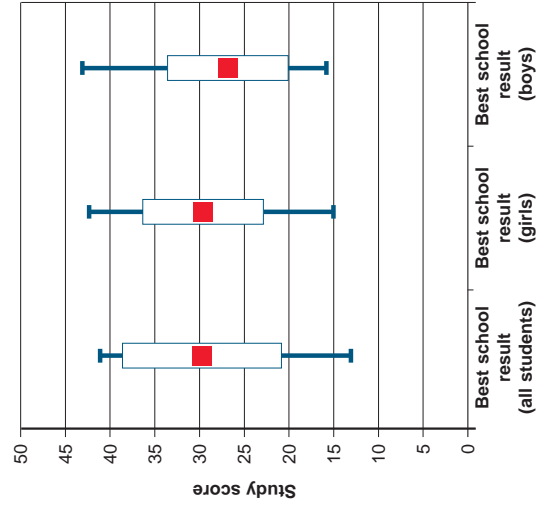


Table 10. Study score distribution within the specified study

Subject: EN01 English
 "Like" school group: 9 Medium to high proportions of LOTE speakers at home/high proportions of EMA or Austudy recipients

	No. students	Maximum	Mean + STD	Mean	Mean - STD	Minimum
State results	State result (all students)	50.0	35.2	28.4	21.6	3.0
	State result (girls)	50.0	36.1	29.6	23.1	3.0
	State result (boys)	10,347	50.0	33.7	26.8	5.0
"Like" school average results for group	Average result (all students)	47.0	32.6	26.3	19.9	5.0
	Average result (girls)	47.0	33.6	27.6	21.6	8.0
	Average result (boys)	47.0	30.8	24.4	18.0	5.0
"Like" school best results in group	Best school result (all students)	47.0	35.7	29.1	22.6	15.0
	Best school result (girls)	45	35.4	29.8	24.2	14.0
	Best school result (boys)	16	42.0	36.1	27.8	10.0



Figure 27. State results

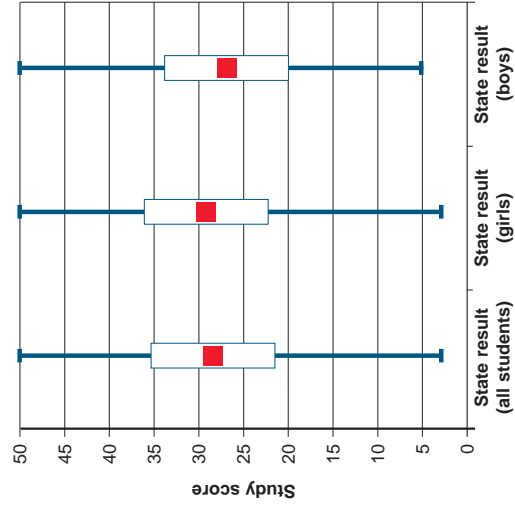


Figure 28. "Like" school results (average for group)

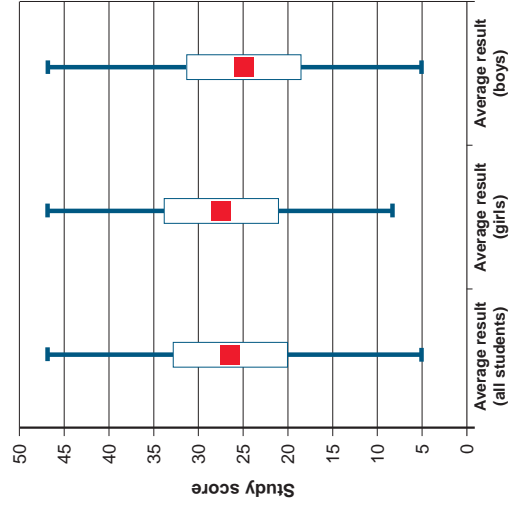
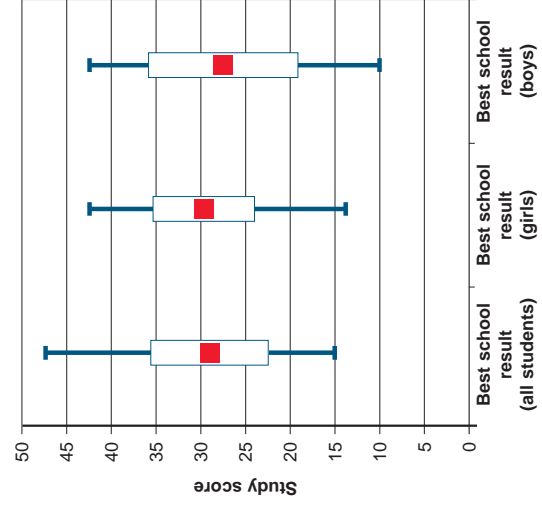


Figure 29. "Like" school results (best school in group)



Study score distribution within Further Mathematics

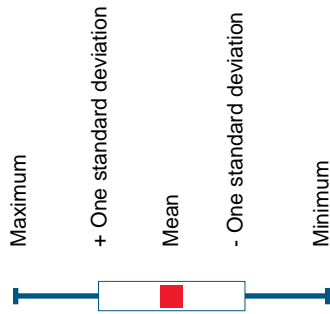


Table 11. Study score distribution within the specified study

Subject: MA07 Further Mathematics

"Like" school group: 1 Nil or very low proportions of IOTF speakers at home/low proportions of EMA or Austudy recipients

Key



	No. students	Maximum	Mean + STD	Mean	Mean - STD	Minimum
State results	State result (all students)	50.0	35.9	28.9	21.8	4.0
	State result (girls)	50.0	36.4	29.7	23.0	8.0
	State result (boys)	3,893	50.0	27.9	20.7	4.0
"Like" school average results for group	Average result (all students)	48.0	35.9	29.6	23.3	8.0
	Average result (girls)	47.0	36.9	30.8	24.7	15.0
	Average result (boys)	48.0	34.9	28.6	22.2	8.0
"Like" school best results in group	Best school result (all students)	45.0	42.0	37.2	32.4	28.0
	Best school result (girls)	45.0	43.8	39.1	34.4	32.0
	Best school result (boys)	38.0	37.9	34.3	30.8	28.0

Figure 30. State results

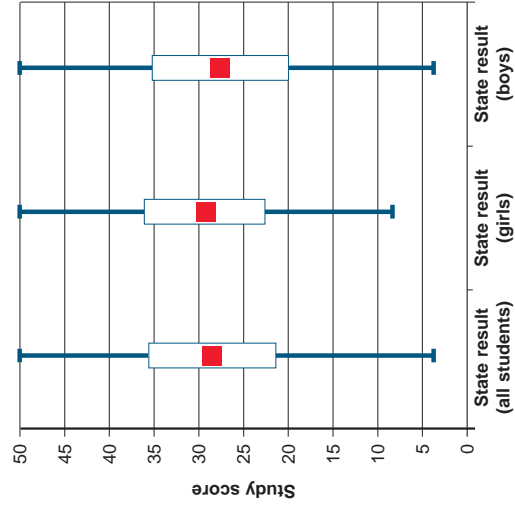


Figure 31. "Like" school results (average for group)

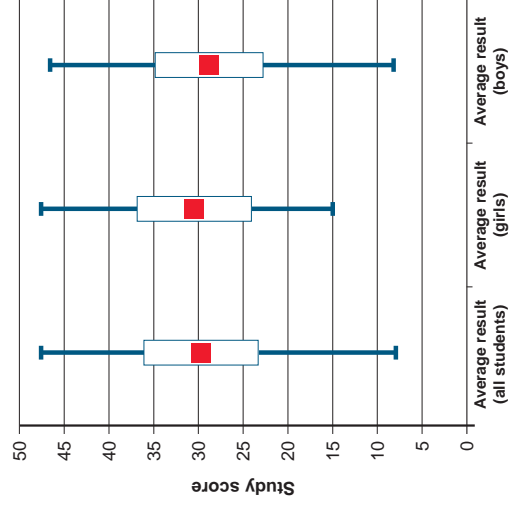


Figure 32. "Like" school results (best school in group)

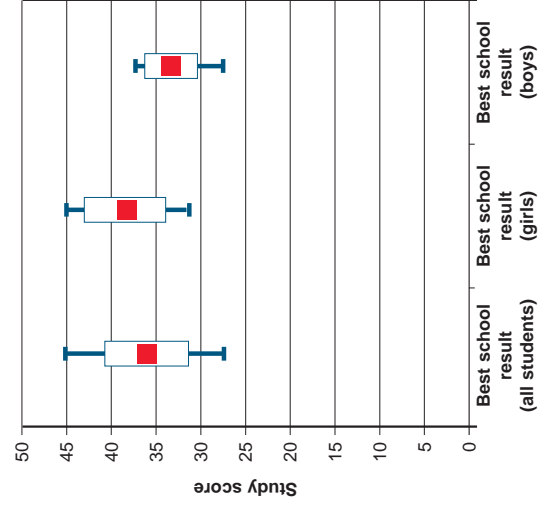


Table 12. Study score distribution within the specified study

Subject: MA07 Further Mathematics

“Like” school group: 2 Low proportions of LOTE speakers at home/low proportions of EMA or Austudy recipients

Key

Maximum

+ One standard deviation

Mean

- One standard deviation

Minimum

	No. students	Maximum	Mean + STD	Mean	Mean - STD	Minimum
State results	State result (all students)	50.0	35.9	28.9	21.8	4.0
	State result (girls)	50.0	36.4	29.7	23.0	8.0
	State result (boys)	50.0	35.1	27.9	20.7	4.0
“Like” school average results for group	Average result (all students)	50.0	38.5	31.9	25.4	9.0
	Average result (girls)	50.0	38.5	32.5	26.4	16.0
	Average result (boys)	50.0	38.3	31.2	24.1	9.0
“Like” school best results in group	Best school result (all students)	50.0	45.7	38.2	30.6	21.0
	Best school result (girls)	50.0	44.1	37.5	30.9	27.0
	Best school result (boys)	50.0	47.5	38.9	30.3	21.0



Figure 33. State results

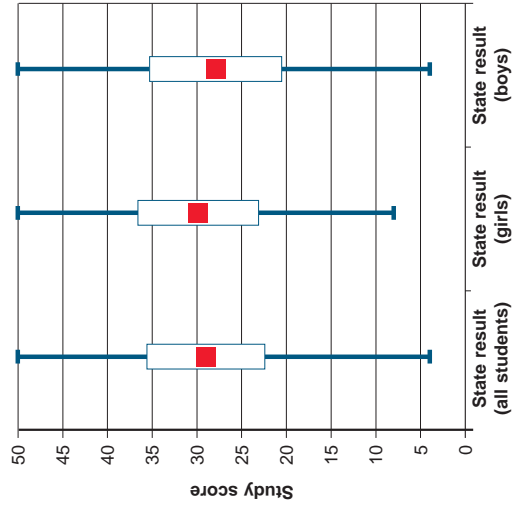


Figure 34. “Like” school results (average for group)

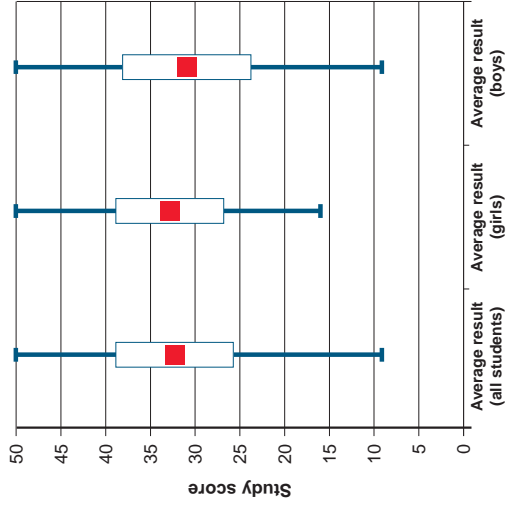


Figure 35. “Like” school results (best school in group)

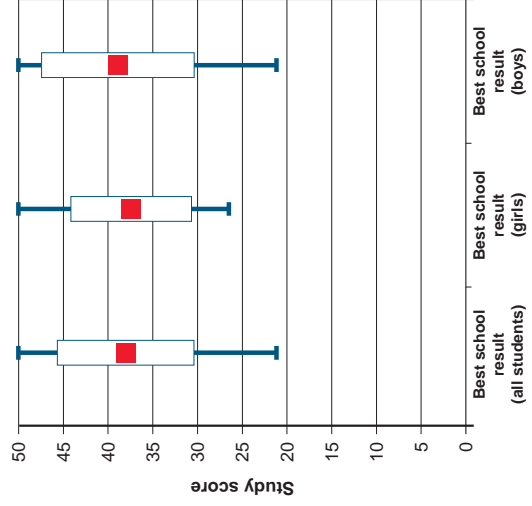


Table 13. Study score distribution within the specified study

Subject: MA07 Further Mathematics
 "Like" school group: 3 Medium to high proportions of LOTE speakers at home/low proportions of EMA or Austudy recipients

	No. students	Maximum	Mean + STD	Mean	Mean - STD	Minimum
State results	State result (all students)	50.0	35.9	28.9	21.8	4.0
	State result (girls)	50.0	36.4	29.7	23.0	8.0
	State result (boys)	3,893	50.0	35.1	27.9	4.0
"Like" school average results for group	Average result (all students)	50.0	39.7	33.4	27.2	16.0
	Average result (girls)	73	49.0	41.0	34.7	19.0
	Average result (boys)	90	50.0	38.6	32.4	16.0
"Like" school best results in group	Best school result (all students)	34	40.6	35.5	30.5	26.0
	Best school result (girls)	17	46.0	42.3	38.0	31.0
	Best school result (boys)	28	50.0	41.4	28.7	23.0

Key

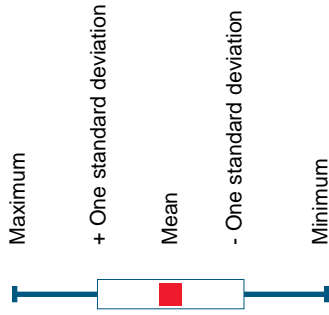


Figure 36. State results

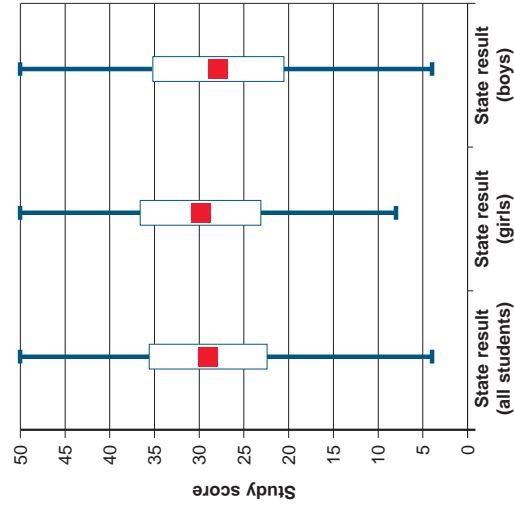


Figure 37. "Like" school results (average for group)

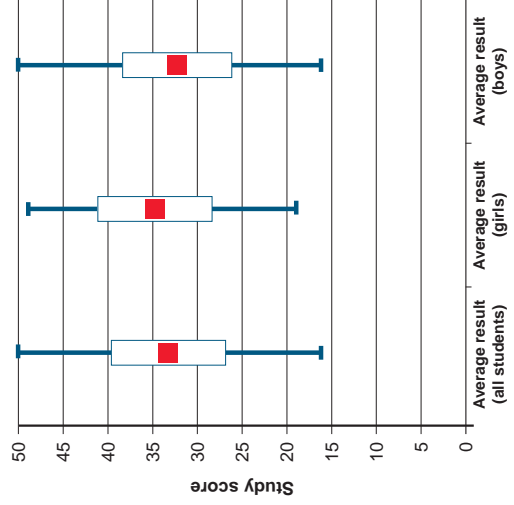


Figure 38. "Like" school results (best school in group)

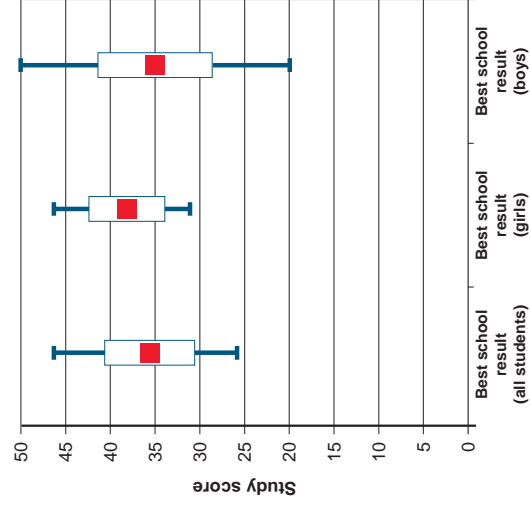
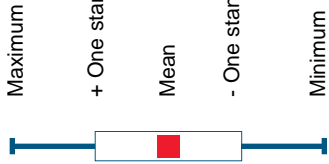


Table 14. Study score distribution within the specified study

Subject: MA07 Further Mathematics

“Like” school group: 4 Nil or very low proportions of LOTE speakers at home/medium proportions of EMA or Austudy recipients

Key



	No. students	Maximum	Mean + STD	Mean	Mean - STD	Minimum
State results	State result (all students)	50.0	35.9	28.9	21.8	4.0
	State result (girls)	50.0	36.4	29.7	23.0	8.0
	State result (boys)	50.0	35.1	27.9	20.7	4.0
“Like” school average results for group	Average result (all students)	50.0	36.4	29.6	22.8	4.0
	Average result (girls)	50.0	36.7	30.2	23.7	9.0
	Average result (boys)	50.0	36.0	28.9	21.9	4.0
“Like” school best results in group	Best school result (all students)	49.0	44.9	38.2	31.5	24.0
	Best school result (girls)	44.0	43.0	38.6	34.2	32.0
	Best school result (boys)	49.0	46.8	39.4	32.0	29.0

Figure 39. State results

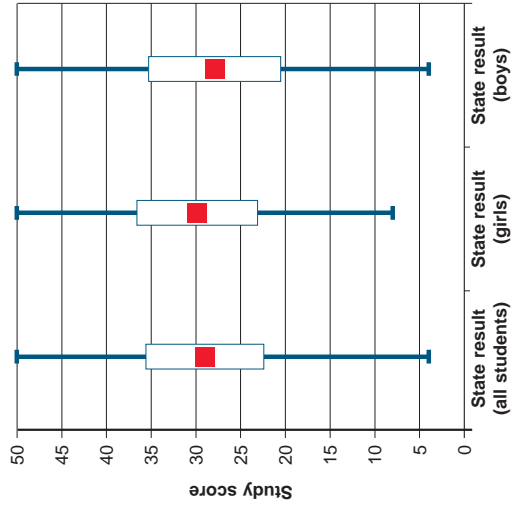


Figure 40. “Like” school results (average for group)

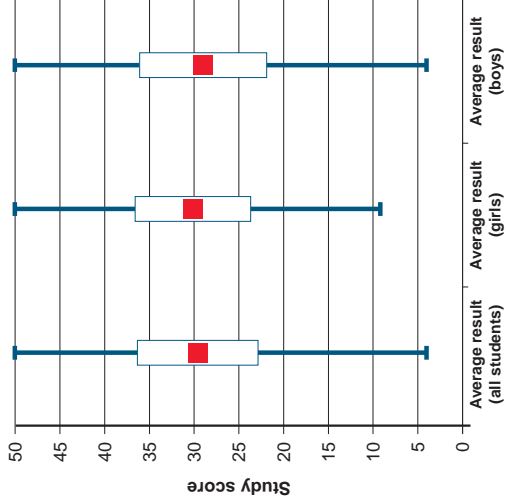


Figure 41. “Like” school results (best school in group)

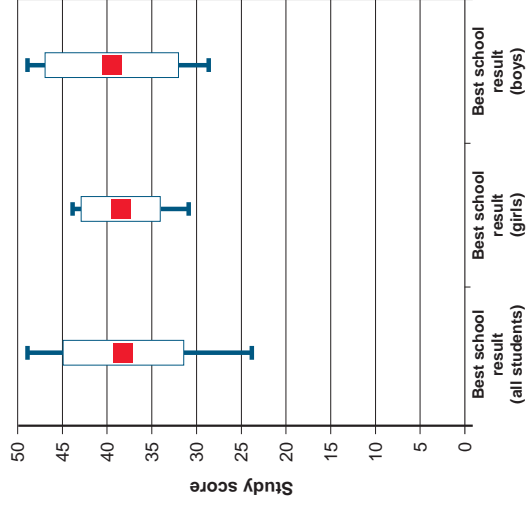


Table 15. Study score distribution within the specified study

Subject: MA07 Further Mathematics
 "Like" school group: 5 Low proportions of LOTE speakers at home/medium proportions of EMA or Austudy recipients

	No. students	Maximum	Mean + STD	Mean	Mean - STD	Minimum
State results	State result (all students)	50.0	35.9	28.9	21.8	4.0
	State result (girls)	50.0	36.4	29.7	23.0	8.0
	State result (boys)	3,893	50.0	35.1	27.9	20.7
"Like" school average results for group	Average result (all students)	50.0	35.0	28.3	21.6	7.0
	Average result (girls)	623	35.9	29.4	22.9	10.0
	Average result (boys)	608	49.0	34.0	27.2	7.0
"Like" school best results in group	Best school result (all students)	12	40.4	35.7	30.9	29.0
	Best school result (girls)	15	43.9	36.5	29.2	19.0
	Best school result (boys)	5	40.0	38.1	28.7	27.0



Figure 42. State results

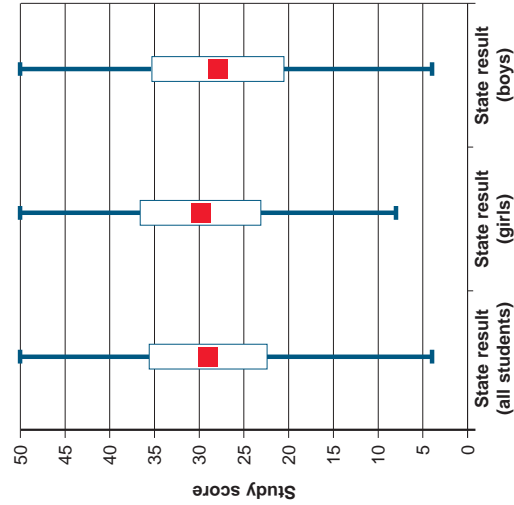


Figure 43. "Like" school results (average for group)

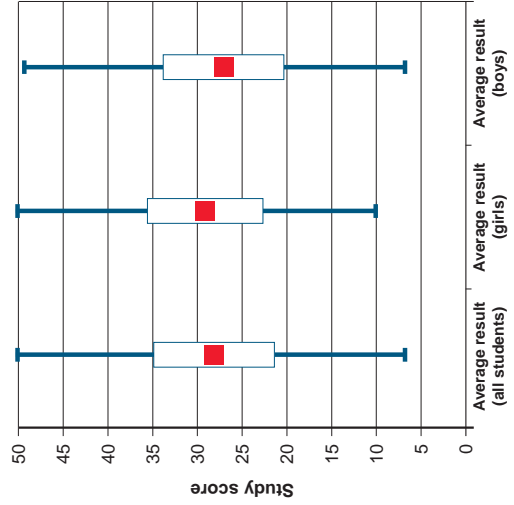


Figure 44. "Like" school results (best school in group)

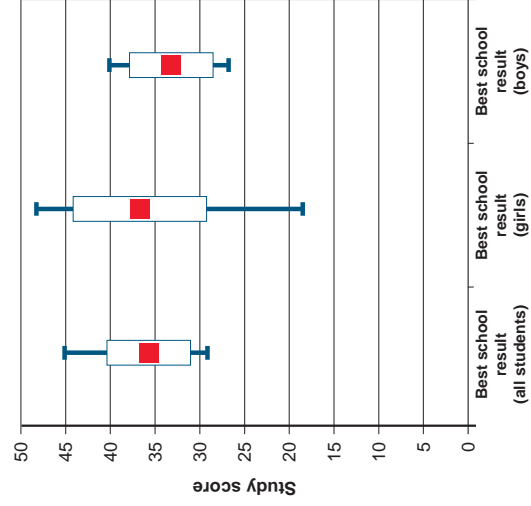


Table 16. Study score distribution within the specified study

Subject: MA07 Further Mathematics

“Like” school group: 6 Medium to high proportions of LOTE speakers at home/medium proportions of EMA or Austudy recipients

Key

Maximum

+ One standard deviation

Mean

- One standard deviation

Minimum

	No. students	Maximum	Mean + STD	Mean	Mean - STD	Minimum
State results	State result (all students)	50.0	35.9	28.9	21.8	4.0
	State result (girls)	50.0	36.4	29.7	23.0	8.0
	State result (boys)	3,893	50.0	35.1	27.9	20.7
“Like” school average results for group	Average result (all students)	46.0	33.7	27.0	20.3	10.0
	Average result (girls)	252	34.3	28.0	21.6	14.0
	Average result (boys)	230	32.9	25.9	18.9	10.0
“Like” school best results in group	Best school result (all students)	46	37.3	31.7	26.0	19.0
	Best school result (girls)	10	38.6	33.0	27.4	25.0
	Best school result (boys)	21	45.0	36.8	24.2	19.0

Figure 45. State results

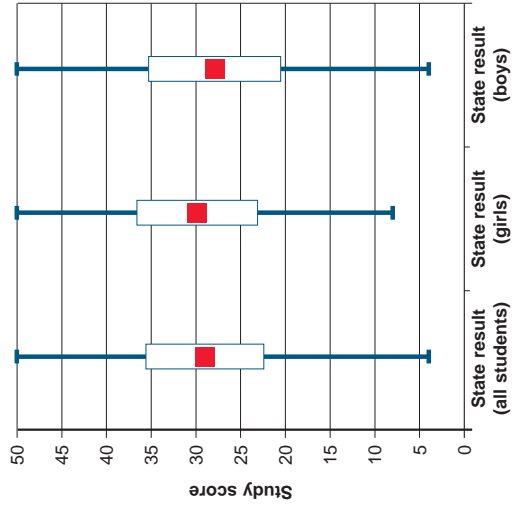


Figure 46. “Like” school results (average for group)

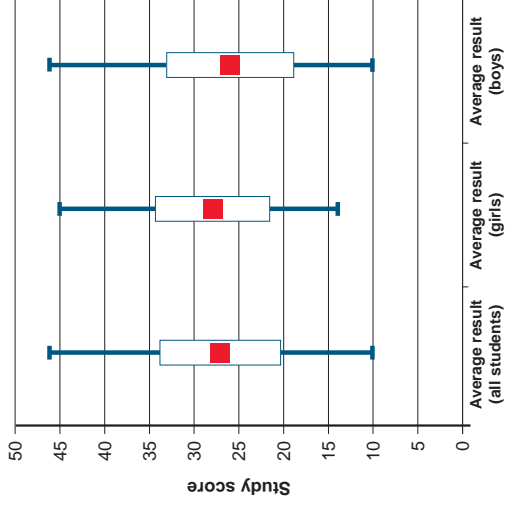


Figure 47. “Like” school results (best school in group)

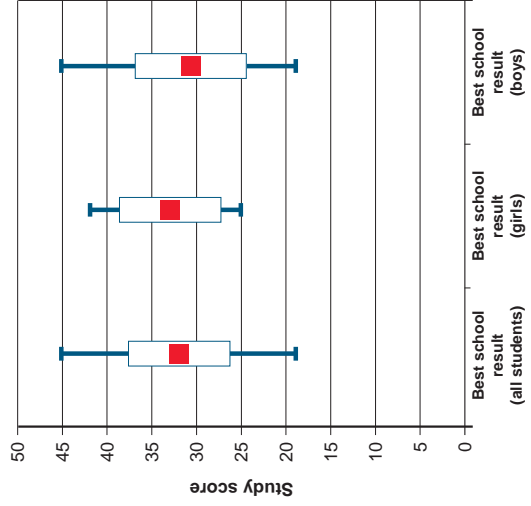


Table 17. Study score distribution within the specified study

Subject: MA07 Further Mathematics
 "Like" school group: 7 Nil or very low proportions of LOTE speakers at home/high proportions of EMA or Austudy recipients

	No. students	Maximum	Mean + STD	Mean	Mean - STD	Minimum
State results	State result (all students)	50.0	35.9	28.9	21.8	4.0
	State result (girls)	50.0	36.4	29.7	23.0	8.0
	State result (boys)	3,893	50.0	27.9	20.7	4.0
"Like" school average results for group	Average result (all students)	49.0	35.5	28.6	21.6	6.0
	Average result (girls)	600	49.0	29.5	22.9	10.0
	Average result (boys)	551	48.0	34.6	27.5	6.0
"Like" school best results in group	Best school result (all students)	44.0	42.6	37.9	33.2	29.0
	Best school result (girls)	5	41.1	37.0	32.9	32.0
	Best school result (boys)	12	45.0	39.7	26.4	24.0



Figure 48. State results

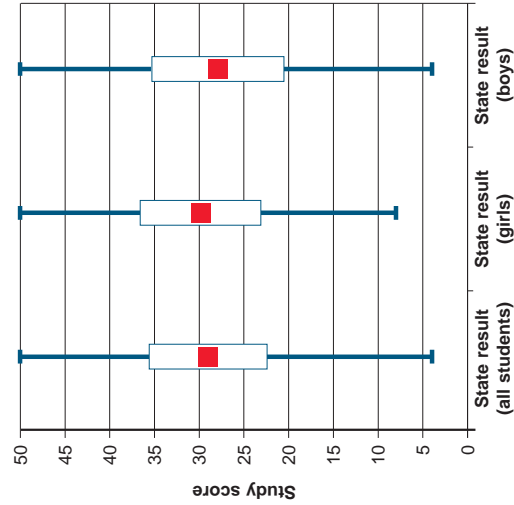


Figure 49. "Like" school results (average for group)

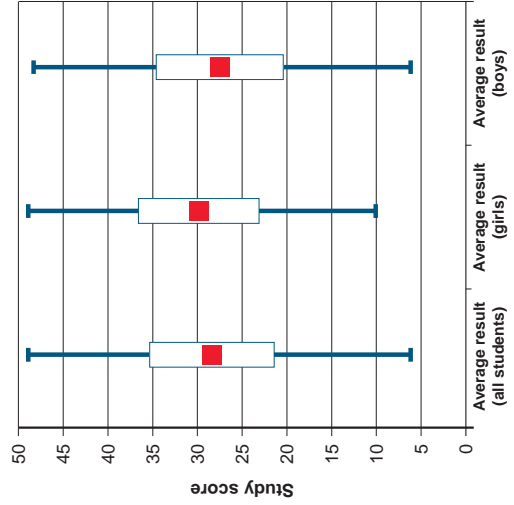


Figure 50. "Like" school results (best school in group)

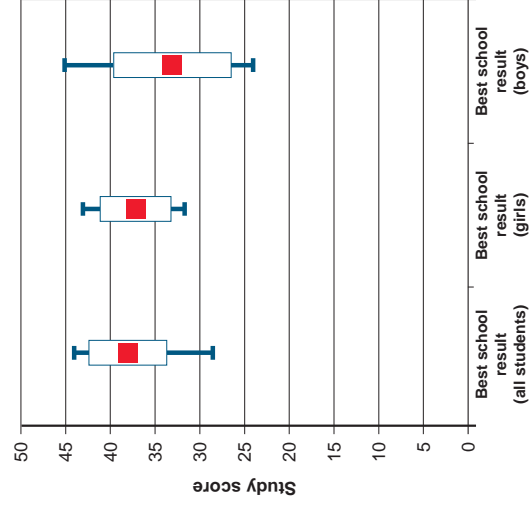
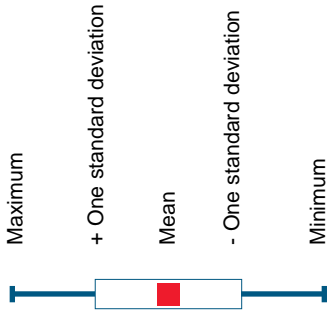


Table 18. Study score distribution within the specified study

Subject: MA07 Further Mathematics

“Like” school group: 8 Low proportions of LOTE speakers at home/high proportions of EMA or Austudy recipients

Key



	No. students	Maximum	Mean + STD	Mean	Mean - STD	Minimum
State results	State result (all students)	50.0	35.9	28.9	21.8	4.0
	State result (girls)	50.0	36.4	29.7	23.0	8.0
	State result (boys)	50.0	35.1	27.9	20.7	4.0
“Like” school average results for group	Average result (all students)	47.0	33.7	26.6	19.5	5.0
	Average result (girls)	47.0	34.4	27.9	21.4	12.0
	Average result (boys)	42.0	32.9	25.4	17.9	5.0
“Like” school best results in group	Best school result (all students)	40.0	40.0	32.1	23.3	15.0
	Best school result (girls)	40.0	40.0	34.2	24.4	15.0
	Best school result (boys)	40.0	34.7	30.3	25.8	20.0

Figure 51. State results

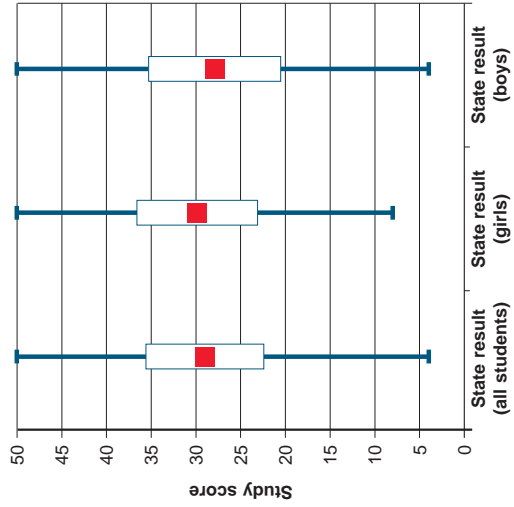


Figure 52. “Like” school results (average for group)

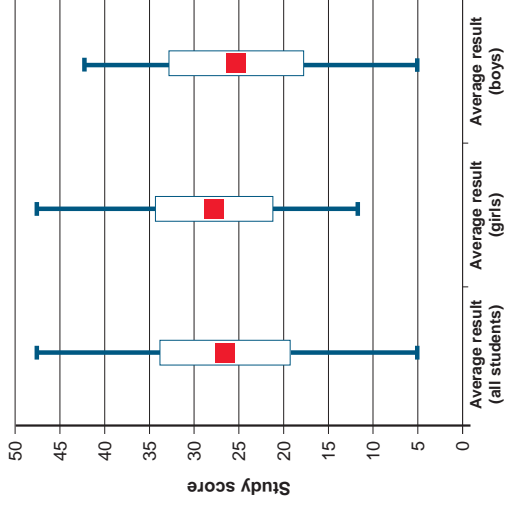


Figure 53. “Like” school results (best school in group)

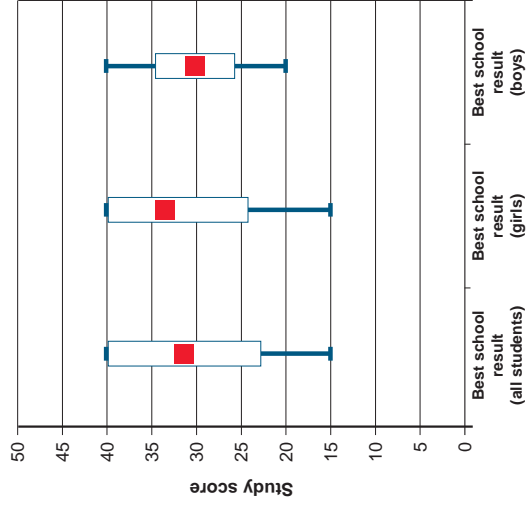


Table 19. Study score distribution within the specified study

Subject: MA07 Further Mathematics
 "Like" school group: 9 Medium to high proportions of LOTE speakers at home/high proportions of EMA or Austudy recipients

	No. students	Maximum	Mean + STD	Mean	Mean - STD	Minimum
State results	State result (all students)	50.0	35.9	28.9	21.8	4.0
	State result (girls)	50.0	36.4	29.7	23.0	8.0
	State result (boys)	3,893	50.0	27.9	20.7	4.0
"Like" school average results for group	Average result (all students)	50.0	33.0	25.9	18.8	6.0
	Average result (girls)	588	33.8	26.8	19.9	8.0
	Average result (boys)	573	50.0	32.0	24.9	6.0
"Like" school best results in group	Best school result (all students)	50.0	40.3	33.8	27.4	24.0
	Best school result (girls)	16	45.0	33.9	28.0	24.0
	Best school result (boys)	17	50.0	40.9	26.7	24.0



Figure 54. State results

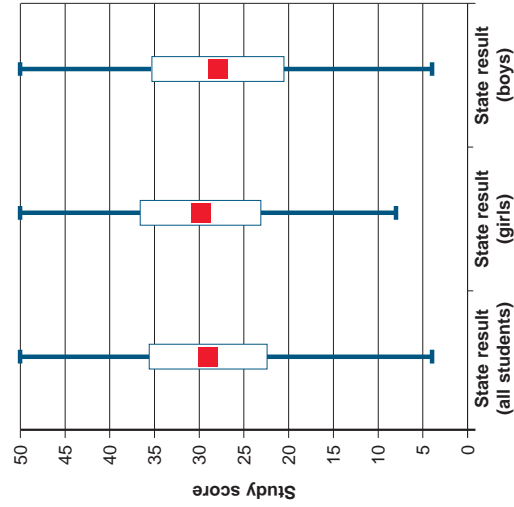


Figure 55. "Like" school results (average for group)

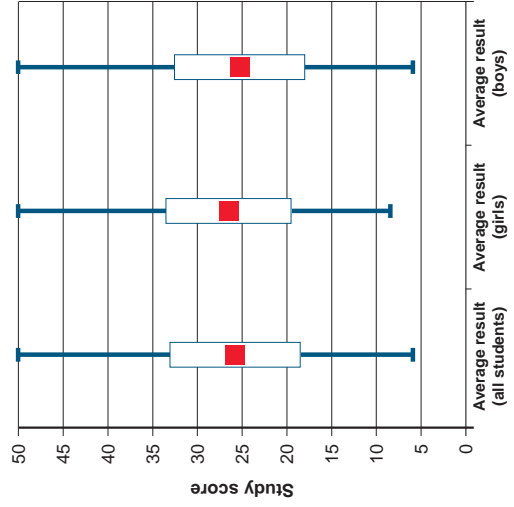
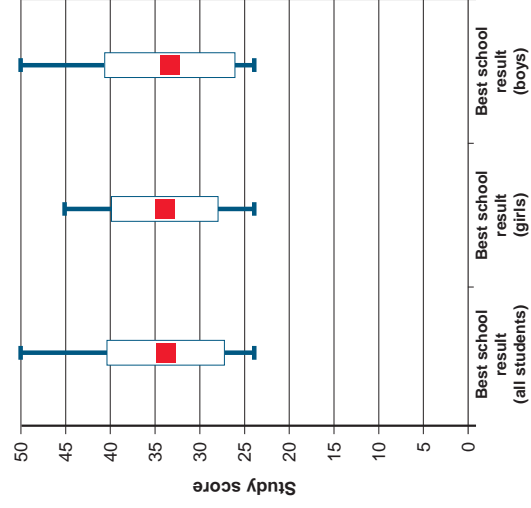


Figure 56. "Like" school results (best school in group)



Study score distribution within Mathematical Methods



Table 20. Study score distribution within the specified study

Subject: MA08 Mathematical Methods
 "Like" school group: 1 Nil or very low proportions of LOTE speakers at home/low proportions of EMA or Austudy recipients

	No. students	Maximum	Mean + STD	Mean	Mean - STD	Minimum
State results	State result (all students)	50.0	35.8	28.8	21.8	4.0
	State result (girls)	50.0	35.2	28.6	22.1	6.0
	State result (boys)	50.0	36.4	29.0	21.6	4.0
"Like" school average results for group	Average result (all students)	50.0	34.9	28.9	22.8	11.0
	Average result (girls)	45.0	34.1	28.6	23.1	11.0
	Average result (boys)	50.0	35.6	29.1	22.7	11.0
"Like" school best results in group	Best school result (all students)	45.0	39.2	33.1	27.1	20.0
	Best school result (girls)	40.0	40.0	36.8	33.5	32.0
	Best school result (boys)	49.0	41.3	33.4	25.5	24.0



Figure 57. State results

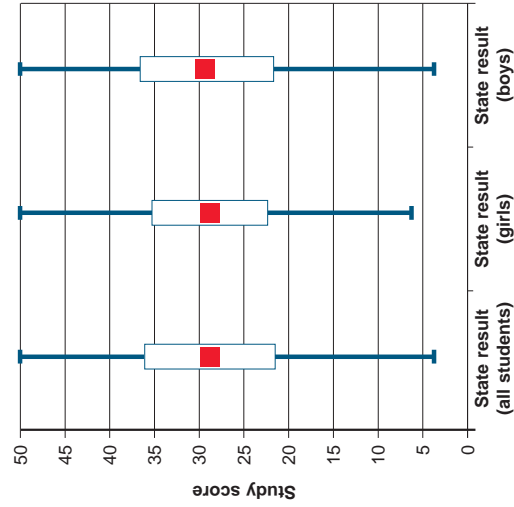


Figure 58. "Like" school results (average for group)

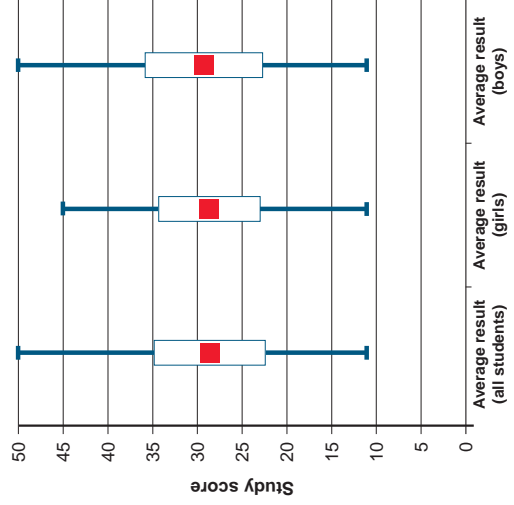


Figure 59. "Like" school results (best school in group)

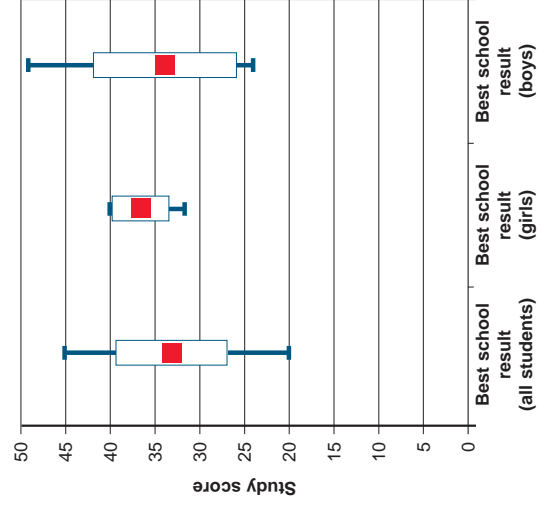
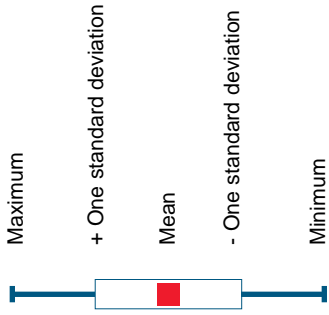


Table 21. Study score distribution within the specified study

Subject: MA08 Mathematical Methods

“Like” school group: 2 Low proportions of LOTE speakers at home/low proportions of EMA or Austudy recipients

Key



	No. students	Maximum	Mean + STD	Mean	Mean - STD	Minimum
State results	State result (all students)	50.0	35.8	28.8	21.8	4.0
	State result (girls)	50.0	35.2	28.6	22.1	6.0
	State result (boys)	50.0	36.4	29.0	21.6	4.0
“Like” school average results for group	Average result (all students)	48.0	36.6	30.1	23.6	8.0
	Average result (girls)	48.0	36.4	30.1	23.7	10.0
	Average result (boys)	48.0	36.8	30.1	23.4	8.0
“Like” school best results in group	Best school result (all students)	48.0	39.6	34.0	28.4	18.0
	Best school result (girls)	48.0	39.6	34.0	28.4	18.0
	Best school result (boys)	48.0	40.0	33.2	26.3	14.0

Figure 60. State results

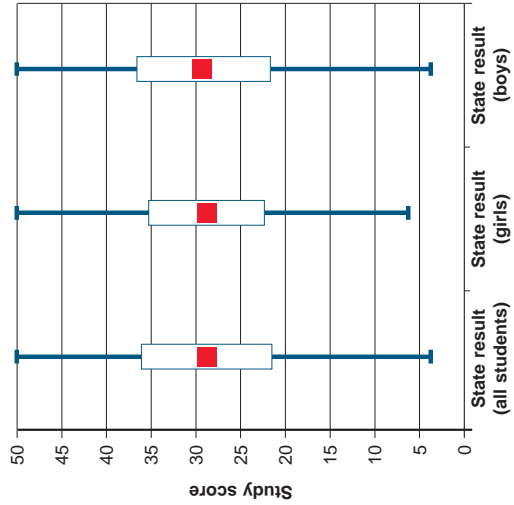


Figure 61. “Like” school results (average for group)

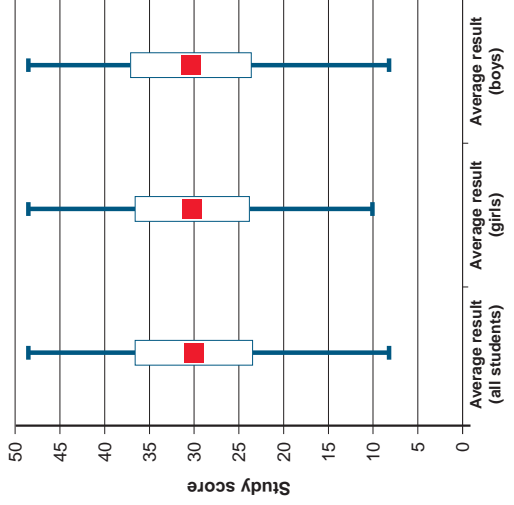


Figure 62. “Like” school results (best school in group)

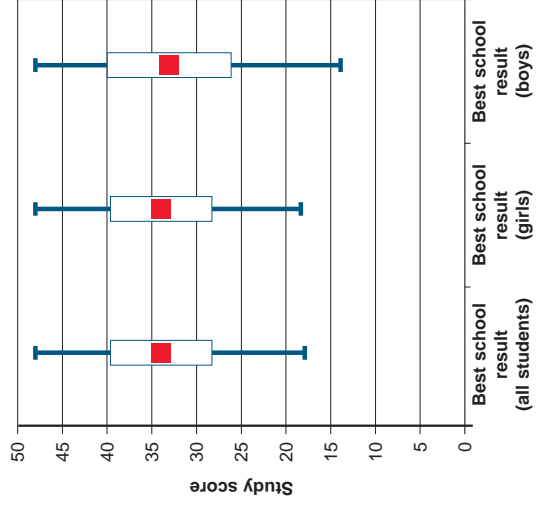


Table 22. Study score distribution within the specified study

Subject: MA08 Mathematical Methods
 "Like" school group: 3 Medium to high proportions of LOTE speakers at home/low proportions of EMA or Austudy recipients

	No. students	Maximum	Mean + STD	Mean	Mean - STD	Minimum
State results	State result (all students)	50.0	35.8	28.8	21.8	4.0
	State result (girls)	50.0	35.2	28.6	22.1	6.0
	State result (boys)	50.0	36.4	29.0	21.6	4.0
"Like" school average results for group	Average result (all students)	50.0	39.1	33.1	27.0	10.0
	Average result (girls)	50.0	38.9	33.0	27.1	17.0
	Average result (boys)	47.0	39.2	33.1	27.0	10.0
"Like" school best results in group	Best school result (all students)	50.0	39.4	34.4	29.5	23.0
	Best school result (girls)	50.0	40.0	34.6	29.3	23.0
	Best school result (boys)	43.0	38.7	34.2	29.7	26.0

Key

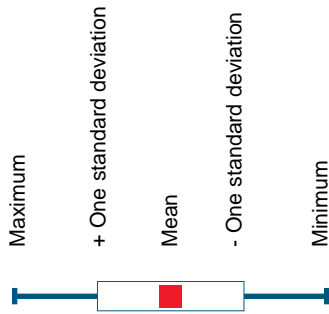


Figure 63. State results

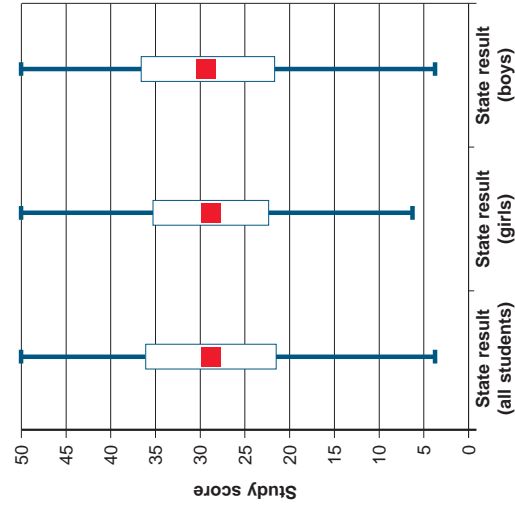


Figure 64. "Like" school results (average for group)

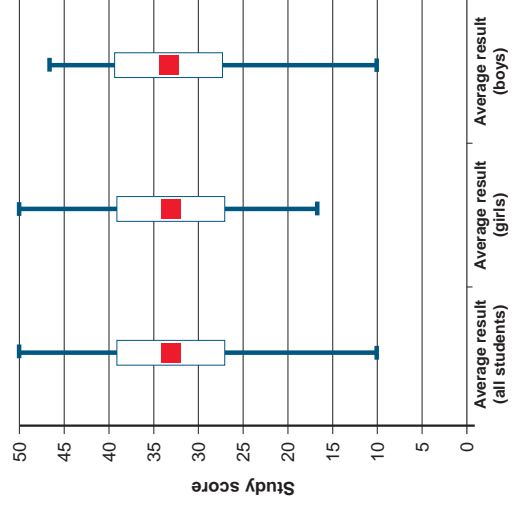


Figure 65. "Like" school results (best school in group)

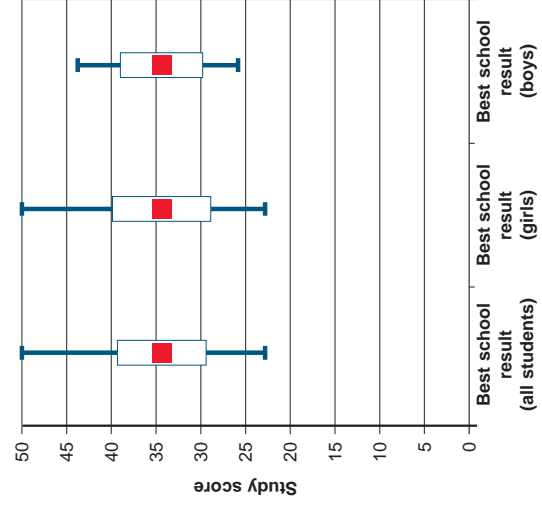
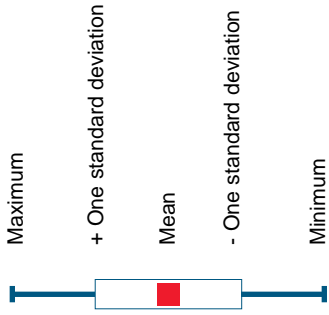


Table 23. Study score distribution within the specified study

Subject: MA08 Mathematical Methods

“Like” school group: 4 Nil or very low proportions of LOTE speakers at home/medium proportions of EMA or Austudy recipients

Key



	No. students	Maximum	Mean + STD	Mean	Mean - STD	Minimum
State results	State result (all students)	50.0	35.8	28.8	21.8	4.0
	State result (girls)	50.0	35.2	28.6	22.1	6.0
	State result (boys)	50.0	36.4	29.0	21.6	4.0
“Like” school average results for group	Average result (all students)	50.0	34.8	28.3	21.8	6.0
	Average result (girls)	50.0	34.0	28.0	22.1	6.0
	Average result (boys)	50.0	35.6	28.6	21.7	8.0
“Like” school best results in group	Best school result (all students)	44.0	40.3	35.8	31.4	31.0
	Best school result (girls)	48.0	41.9	34.5	27.1	26.0
	Best school result (boys)	43.0	41.9	35.4	28.9	27.0

Figure 66. State results

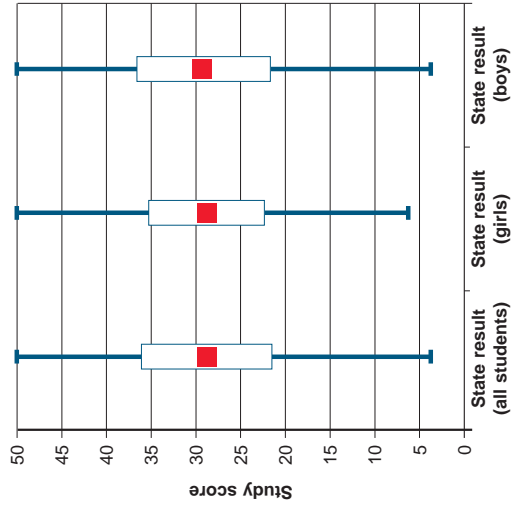


Figure 67. “Like” school results (average for group)

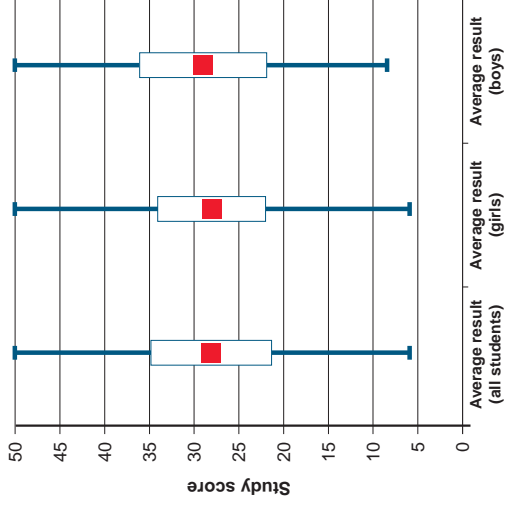


Figure 68. “Like” school results (best school in group)

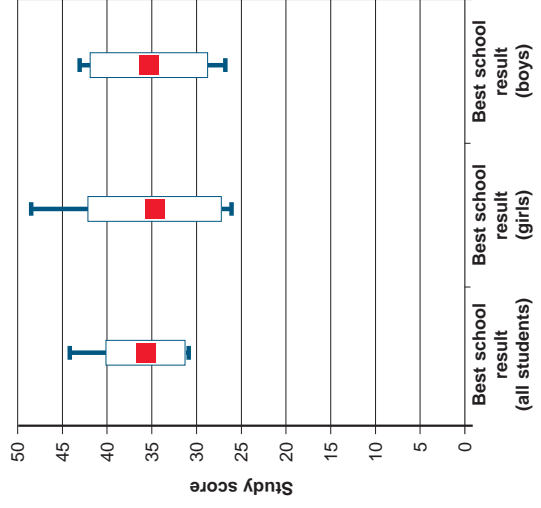


Table 24. Study score distribution within the specified study

Subject: MA08 Mathematical Methods

"Like" school group: 5 Low proportions of LOTE speakers at home/medium proportions of EMA or Austudy recipients

Key

Maximum

+ One standard deviation

Mean

- One standard deviation

Minimum

	No. students	Maximum	Mean + STD	Mean	Mean - STD	Minimum
State results	State result (all students)	50.0	35.8	28.8	21.8	4.0
	State result (girls)	50.0	35.2	28.6	22.1	6.0
	State result (boys)	50.0	36.4	29.0	21.6	4.0
"Like" school average results for group	Average result (all students)	50.0	34.5	27.6	20.7	8.0
	Average result (girls)	47.0	33.8	27.5	21.2	10.0
	Average result (boys)	50.0	35.0	27.7	20.4	8.0
"Like" school best results in group	Best school result (all students)	49.0	38.8	32.4	26.1	19.0
	Best school result (girls)	26	37.6	30.9	24.2	19.0
	Best school result (boys)	35	41.1	34.2	27.2	21.0

Figure 69. State results

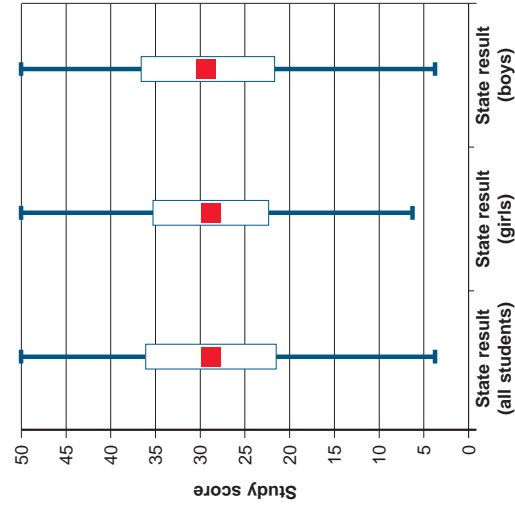


Figure 70. "Like" school results (average for group)

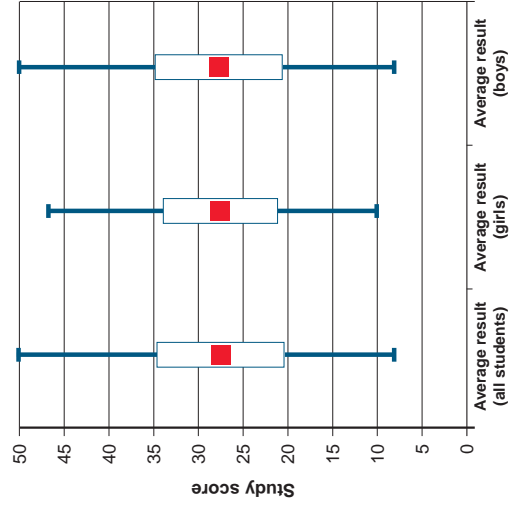


Figure 71. "Like" school results (best school in group)

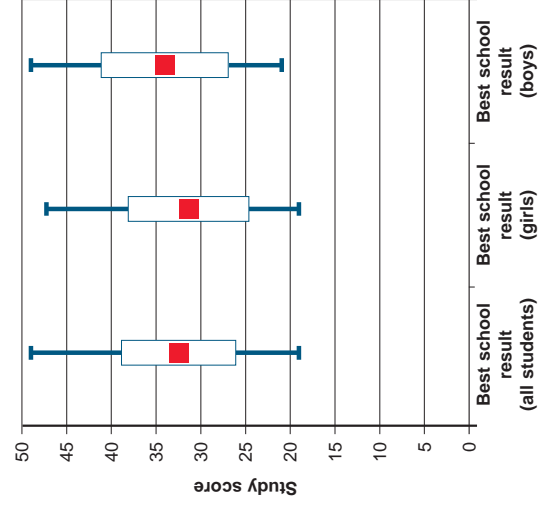
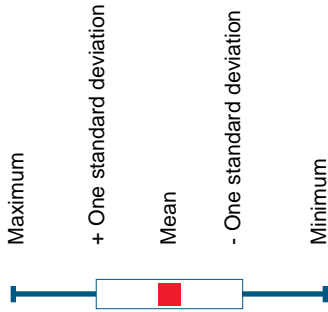


Table 25. Study score distribution within the specified study

Subject: MA08 Mathematical Methods

“Like” school group: 6 Medium to high proportions of LOTE speakers at home/medium proportions of EMA or Austudy recipients

Key



	No. students	Maximum	Mean + STD	Mean	Mean - STD	Minimum
State results	8,371	50.0	35.8	28.8	21.8	4.0
State result (girls)	4,028	50.0	35.2	28.6	22.1	6.0
State result (boys)	4,343	50.0	36.4	29.0	21.6	4.0
“Like” school average results for group	591	47.0	33.9	26.8	19.7	6.0
“Like” school average results for group	309	43.0	33.1	26.5	19.9	9.0
“Like” school average results for group	282	47.0	34.8	27.1	19.5	6.0
“Like” school best results in group	15	38.0	35.1	29.7	24.2	19.0
“Like” school best results in group	16	43.0	37.3	30.4	23.5	18.0
“Like” school best results in group	19	42.0	39.7	31.8	24.0	15.0

Figure 72. State results

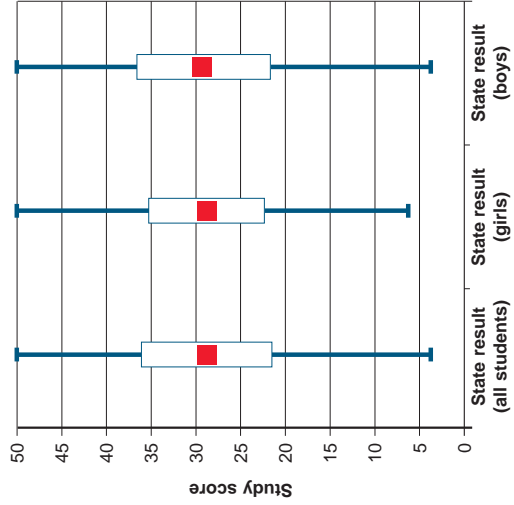


Figure 73. “Like” school results (average for group)

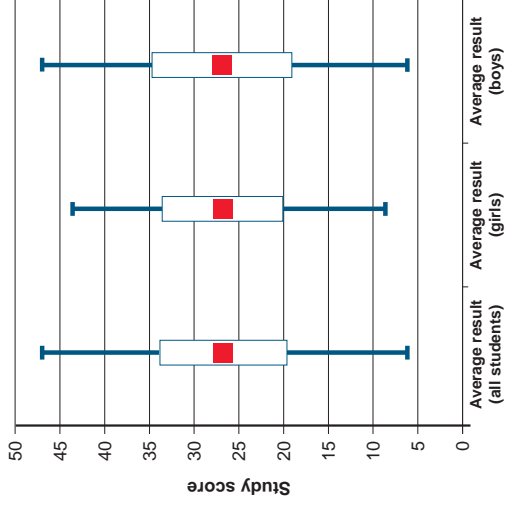


Figure 74. “Like” school results (best school in group)

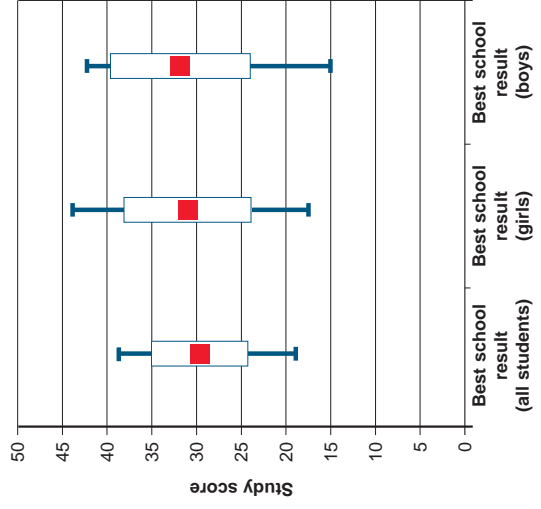


Table 26. Study score distribution within the specified study

Subject: MA08 Mathematical Methods
 "Like" school group: 7 Nil or very low proportions of LOTE speakers at home/high proportions of EMA or Austudy recipients

	No. students	Maximum	Mean + STD	Mean	Mean - STD	Minimum
State results	State result (all students)	50.0	35.8	28.8	21.8	4.0
	State result (girls)	50.0	35.2	28.6	22.1	6.0
	State result (boys)	50.0	36.4	29.0	21.6	4.0
"Like" school average results for group	Average result (all students)	50.0	35.2	28.6	22.1	7.0
	Average result (girls)	50.0	34.9	28.6	22.3	13.0
	Average result (boys)	50.0	35.4	28.7	21.9	7.0
"Like" school best results in group	Best school result (all students)	43.0	40.9	34.9	29.0	24.0
	Best school result (girls)	41.0	40.0	34.8	29.5	24.0
	Best school result (boys)	43.0	42.0	35.1	28.3	24.0



Figure 75. State results

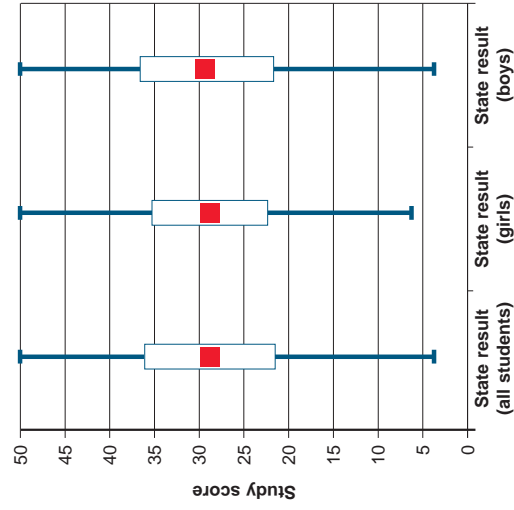


Figure 76. "Like" school results (average for group)

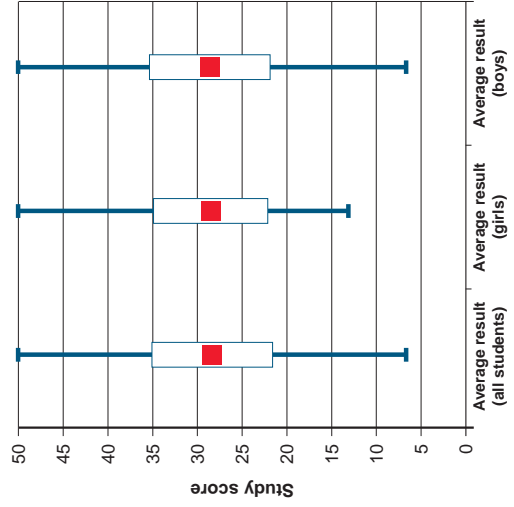


Figure 77. "Like" school results (best school in group)

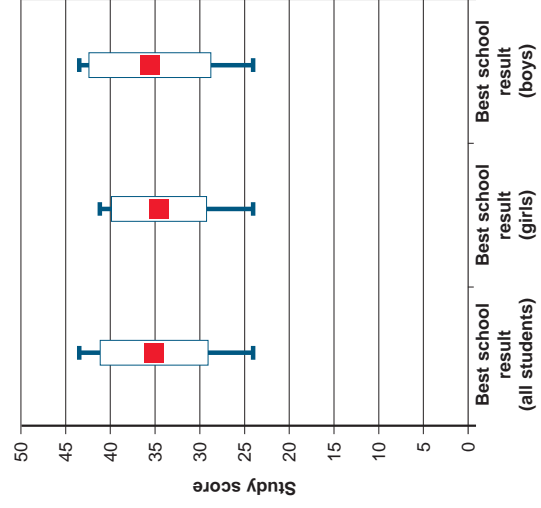
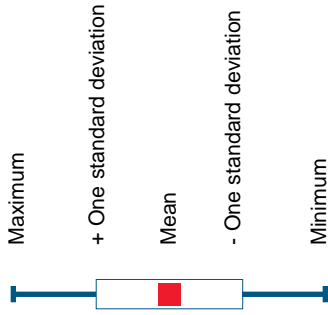


Table 27. Study score distribution within the specified study

Subject: MA08 Mathematical Methods

“Like” school group: 8 Low proportions of LOTE speakers at home/high proportions of EMA or Austudy recipients

Key



	No. students	Maximum	Mean + STD	Mean	Mean - STD	Minimum
State results	State result (all students)	50.0	35.8	28.8	21.8	4.0
	State result (girls)	50.0	35.2	28.6	22.1	6.0
	State result (boys)	50.0	36.4	29.0	21.6	4.0
“Like” school average results for group	Average result (all students)	48.0	32.4	26.6	20.8	13.0
	Average result (girls)	48.0	32.2	26.1	20.0	13.0
	Average result (boys)	38.0	32.5	27.0	21.5	16.0
“Like” school best results in group	Best school result (all students)	48.0	34.9	28.0	21.0	17.0
	Best school result (girls)	37.0	32.0	27.5	23.0	21.0
	Best school result (boys)	38.0	35.4	28.5	21.6	17.0

Figure 78. State results

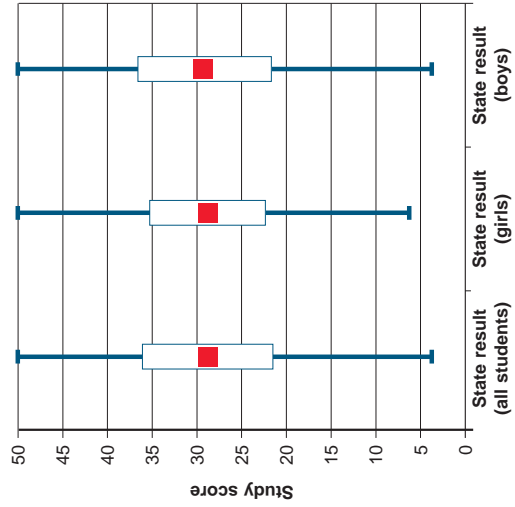


Figure 79. “Like” school results (average for group)

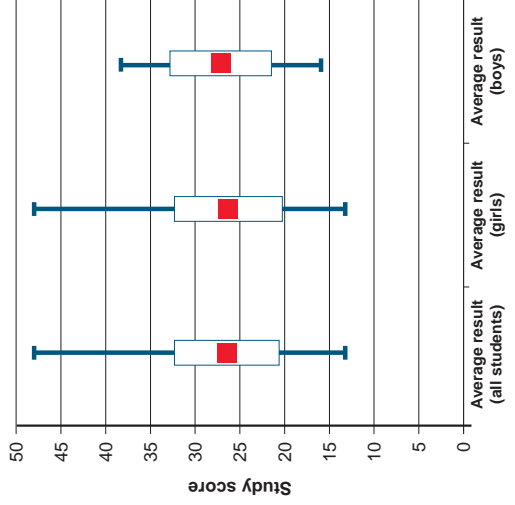


Figure 80. “Like” school results (best school in group)

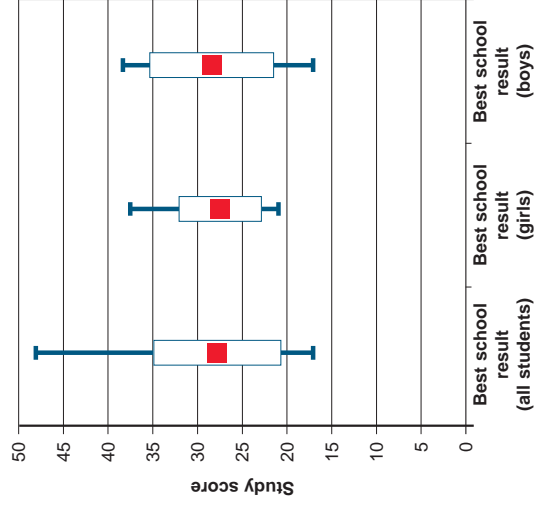


Table 28. Study score distribution within the specified study

Subject: MA08 Mathematical Methods
 "Like" school group: 9 Medium to high proportions of LOTE speakers at home/high proportions of EMA or Austudy recipients

	No. students	Maximum	Mean + STD	Mean	Mean - STD	Minimum
State results	State result (all students)	50.0	35.8	28.8	21.8	4.0
	State result (girls)	50.0	35.2	28.6	22.1	6.0
	State result (boys)	50.0	36.4	29.0	21.6	4.0
"Like" school average results for group	Average result (all students)	49.0	33.4	26.3	19.1	4.0
	Average result (girls)	46.0	33.4	26.8	20.1	6.0
	Average result (boys)	49.0	33.4	25.8	18.1	4.0
"Like" school best results in group	Best school result (all students)	40.0	38.2	29.9	21.5	19.0
	Best school result (girls)	38.0	36.2	30.4	24.5	22.0
	Best school result (boys)	40.0	36.8	30.8	24.7	19.0



Figure 81. State results

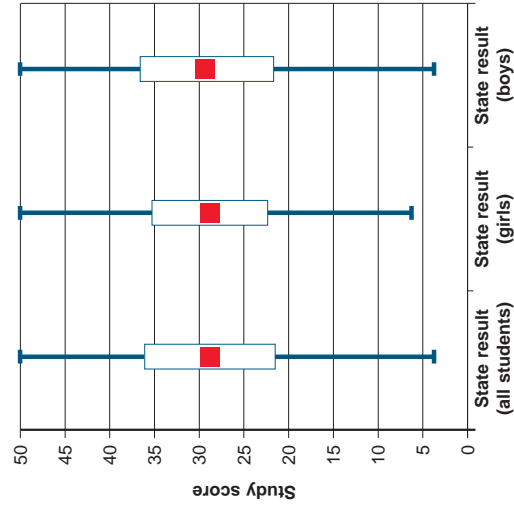


Figure 82. "Like" school results (average for group)

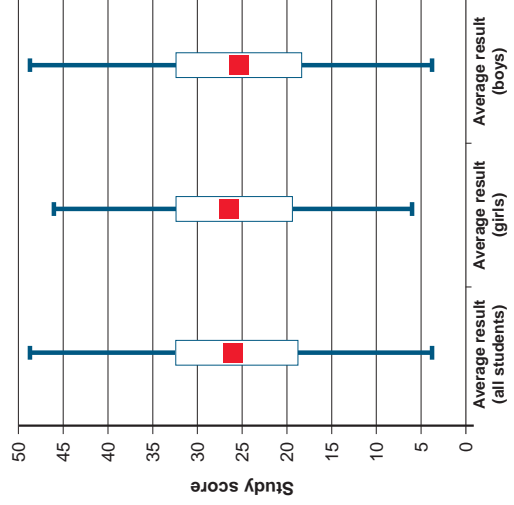
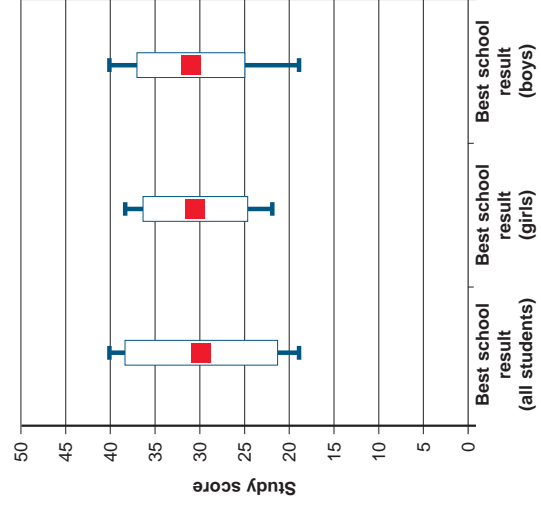


Figure 83. "Like" school results (best school in group)



Highest, average and lowest performing schools in each “like” school group



Table 29. VCE English, Further Mathematics and Mathematical Methods: Highest, average and lowest school in group

Subject: All

Group	1	2	3	3S	4	5	6	7	8	9
Highest school	31.1	33.6	34.5		35.2	32.0	30.1	34.0	29.0	28.8
Average for group	29.6	30.3	32.9	36.6	28.8	28.1	27.4	28.5	26.1	26.3
Lowest school	27.1	26.7	31.8		24.3	23.0	24.5	22.8	21.1	22.4

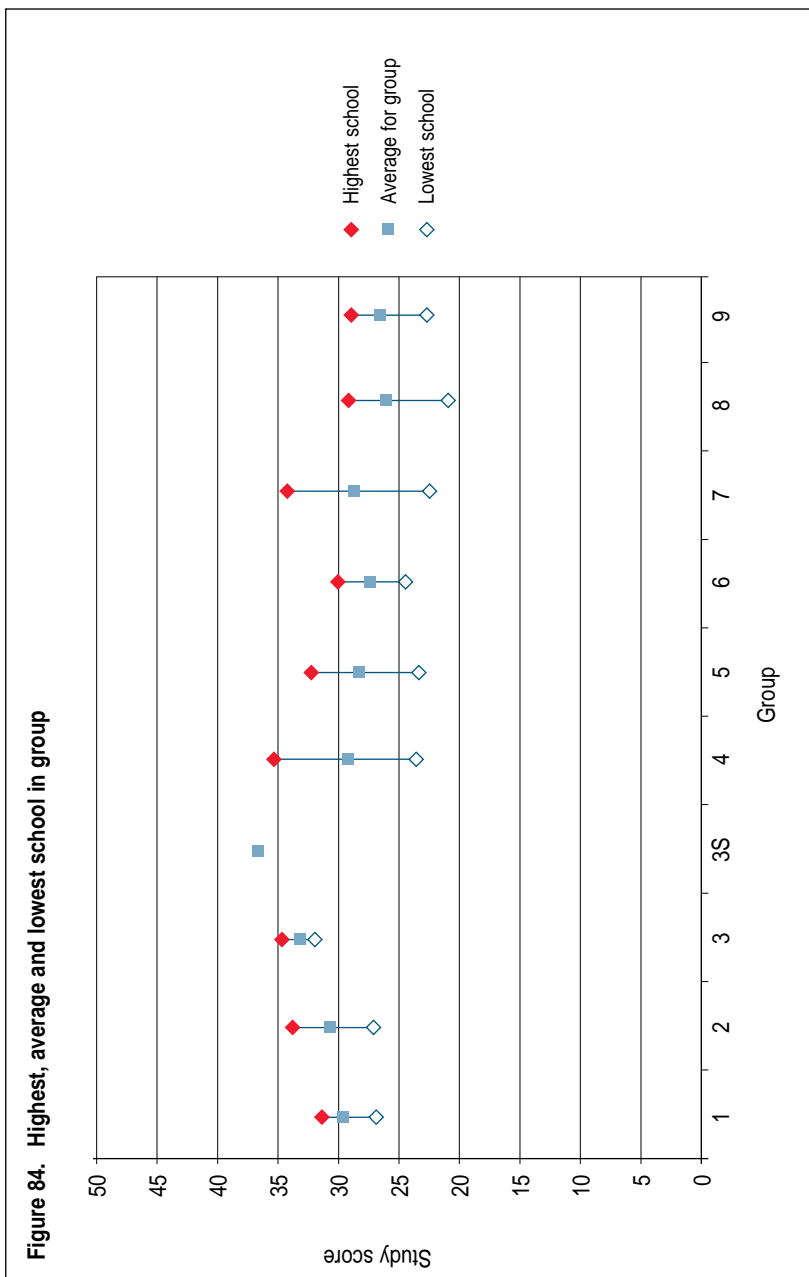


Table 30. VCE English: Highest, average and lowest school in group

Study: EN01 English

Group	1	2	3	3S	4	5	6	7	8	9
Highest school	31.2	34.2	35.1		33.7	33.0	32.0	34.2	29.6	29.1
Average for group	29.4	30.4	33.5	38.0	28.2	27.7	27.1	27.4	24.9	26.3
Lowest school	26.2	26.7	31.6		23.7	21.8	23.6	21.8	21.1	21.5

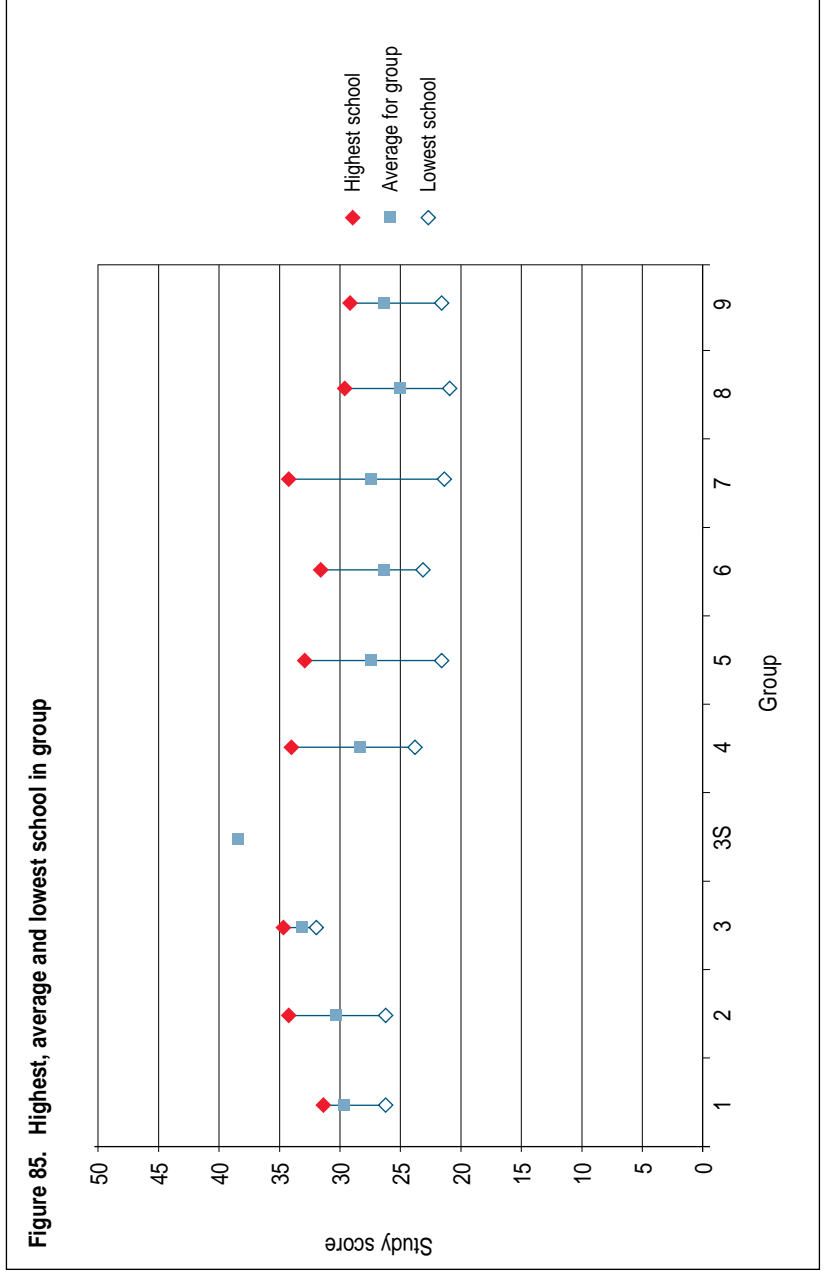


Table 31. VCE Further Mathematics: Highest, average and lowest school in group

Study: MA07 Further Mathematics

Group	1	2	3	3S	4	5	6	7	8	9
Highest school	37.2	38.2	35.5		38.2	35.7	31.7	37.9	32.1	33.8
Average for group	29.6	31.9	33.4	34.8	29.6	28.3	27.0	28.6	26.6	25.9
Lowest school	23.6	25.0	31.2		22.6	23.8	19.1	21.1	17.4	20.1

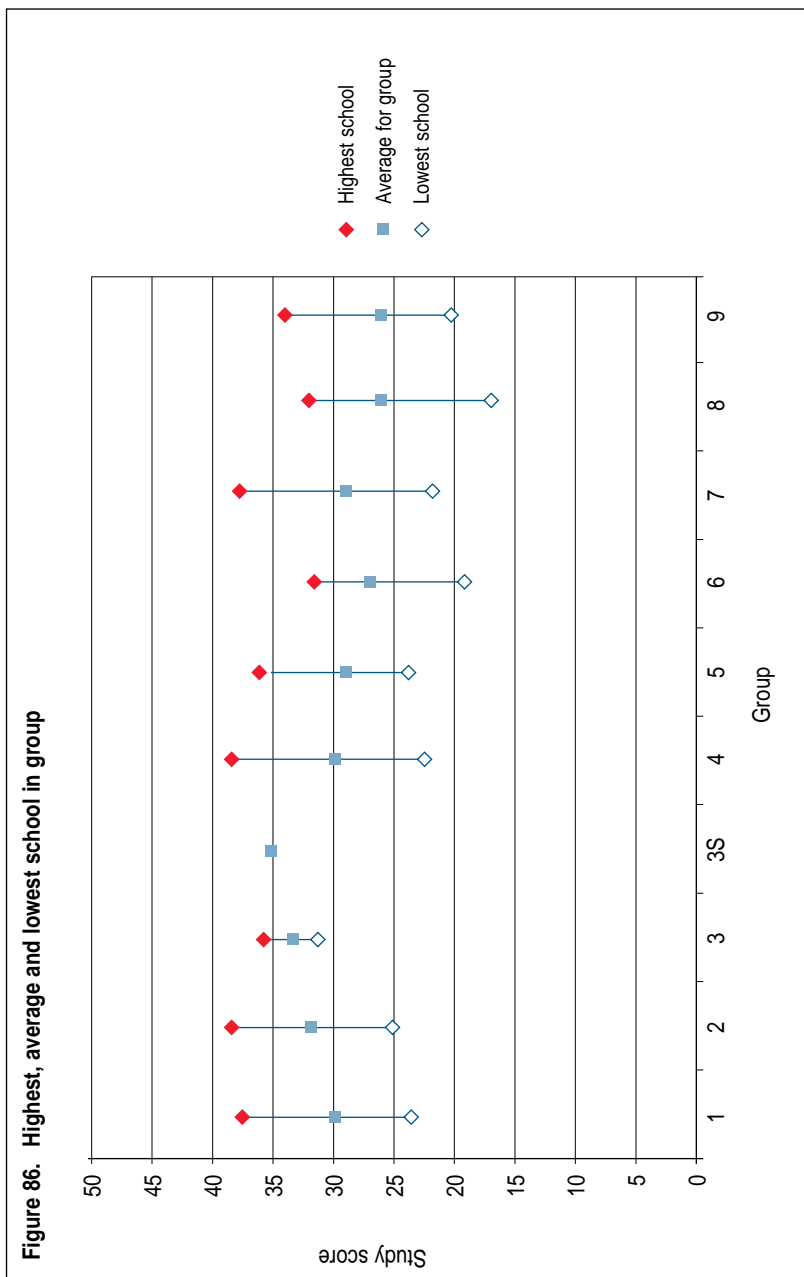
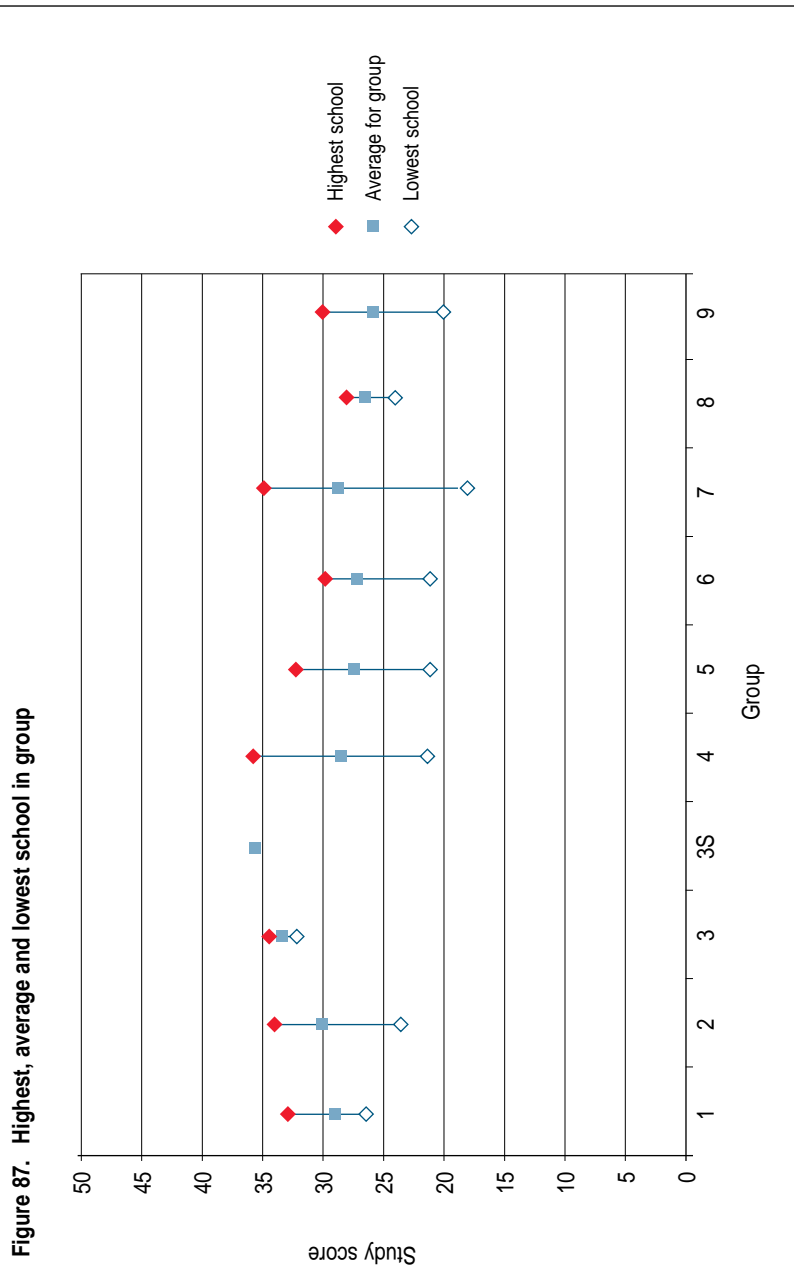


Table 32. VCE Mathematical Methods: Highest, average and lowest school in group

Study: MA08 Mathematical Methods

Group	1	2	3	3S	4	5	6	7	8	9
Highest school	33.1	34.0	34.4		35.8	32.4	29.7	34.9	28.0	29.9
Average for group	28.9	30.1	33.1	35.7	28.3	27.6	26.8	28.6	26.6	26.3
Lowest school	26.6	23.8	31.9		21.6	21.0	21.1	17.7	24.1	20.0



Comparison of study score distribution by school type



Table 33. Study score distribution within the specified study by school type

Subject: EN01 English

	No. students	Maximum	Mean + STD	Mean	Mean - STD	Minimum
Stand alone 7–12 colleges	All students	50.0	35.5	28.7	21.9	3.0
	Girls	50.0	36.4	29.9	23.3	3.0
Multi-campus colleges	Boys	50.0	34.1	27.2	20.4	5.0
	All students	49.0	33.5	26.8	20.2	6.0
Senior secondary colleges	Girls	49.0	34.5	28.4	22.2	7.0
	Boys	49.0	31.8	25.1	18.4	6.0
Senior secondary colleges	All students	49.0	34.4	27.4	20.5	5.0
	Girls	49.0	35.7	29.2	22.7	8.0
	Boys	47.0	32.4	25.4	18.4	5.0

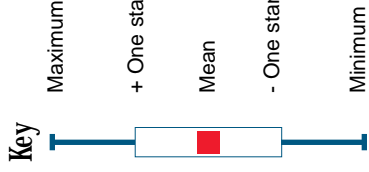


Figure 88. Stand alone 7–12 colleges

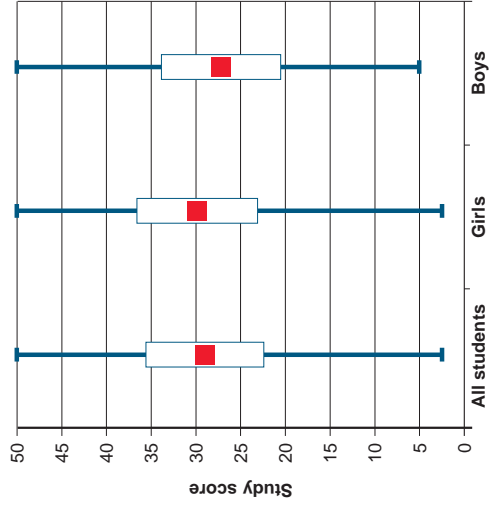


Figure 89. Multi-campus colleges

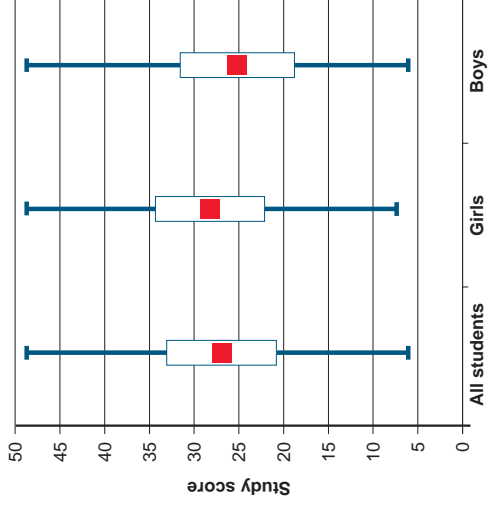


Figure 90. Senior secondary colleges

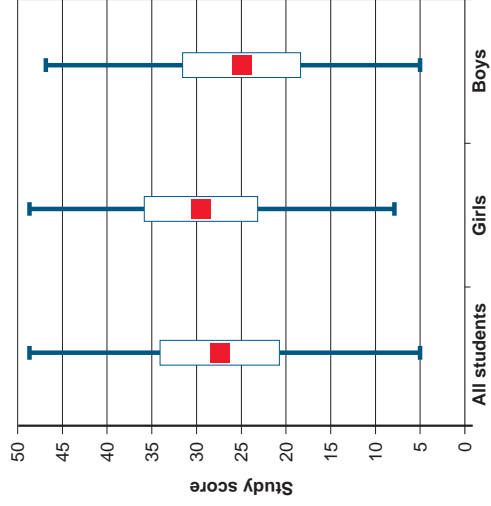


Table 34. Study score distribution within the specified study by school type

Subject: MA07 Further Mathematics

	No. students	Maximum	Mean + STD	Mean	Mean - STD	Minimum	
Stand alone 7–12 colleges	All students	50.0	36.2	29.1	22.1	4.0	
	Girls	50.0	36.6	29.9	23.2	8.0	
	Boys	3,027	50.0	35.5	28.2	20.9	4.0
Multi-campus colleges	All students	49.0	33.5	26.9	20.3	6.0	
	Girls	629	49.0	34.3	28.0	21.8	9.0
	Boys	661	46.0	32.5	25.8	19.1	6.0
Senior secondary colleges	All students	48.0	37.2	30.7	24.1	10.0	
	Girls	203	48.0	38.4	31.9	25.4	12.0
	Boys	205	44.0	35.9	29.5	23.1	10.0



Figure 91. Stand alone 7–12 colleges

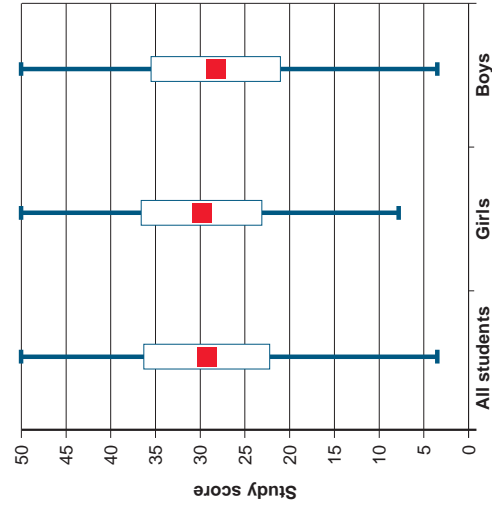


Figure 92. Multi-campus colleges

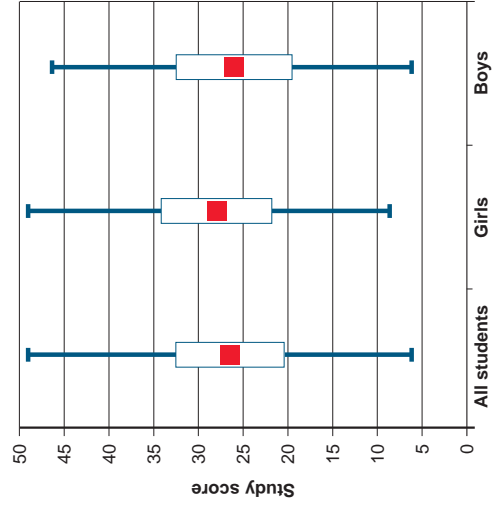


Figure 93. Senior secondary colleges

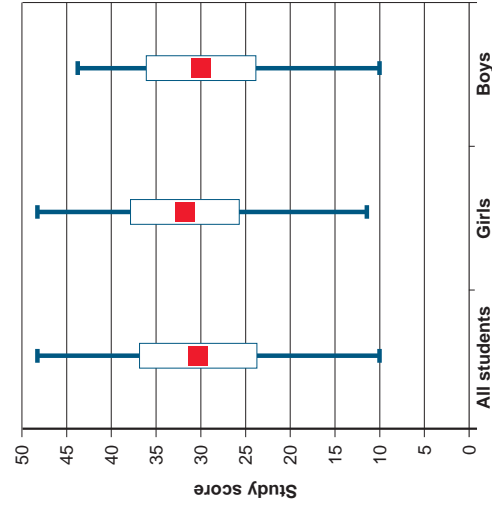


Table 35. Study score distribution within the specified study by school type

Subject: MA08 Mathematical Methods

	No. students	Maximum	Mean + STD	Mean	Mean - STD	Minimum
Stand alone 7–12 colleges	All students	50.0	36.1	29.1	22.1	4.0
	Girls	50.0	35.4	28.8	22.3	6.0
Multi-campus colleges	Boys	50.0	36.7	29.3	22.0	4.0
	All students	50.0	33.9	26.8	19.7	5.0
Senior secondary colleges	Girls	48.0	33.4	27.0	20.5	10.0
	Boys	50.0	34.2	26.6	19.1	5.0
Senior secondary colleges	All students	50.0	35.4	29.7	24.1	15.0
	Girls	43.0	34.7	29.5	24.2	16.0
	Boys	50.0	36.0	30.0	24.0	15.0

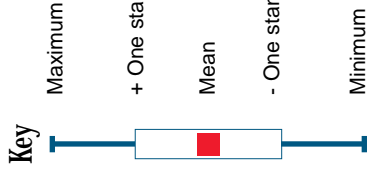


Figure 94. Stand alone 7–12 colleges

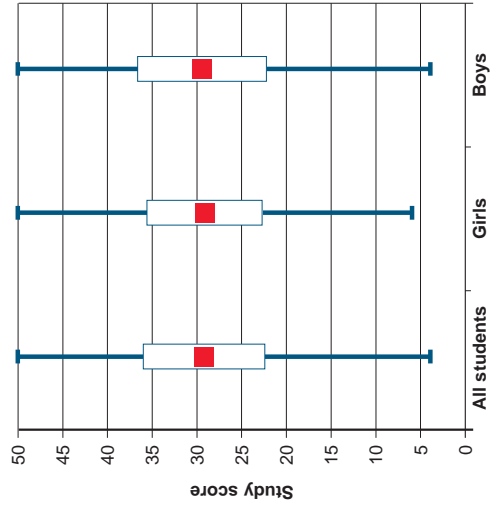


Figure 95. Multi-campus colleges

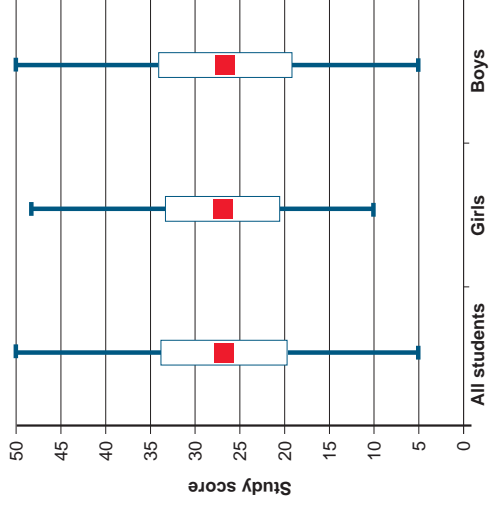
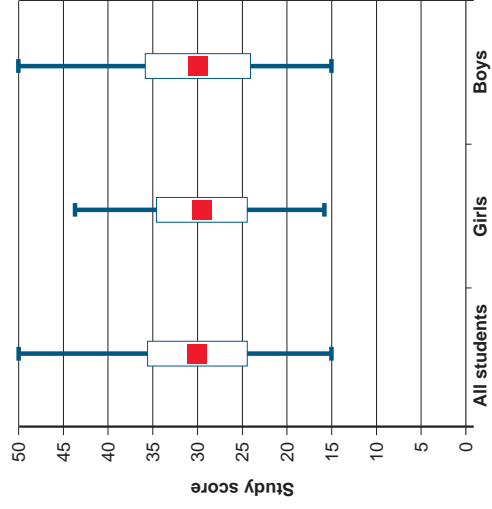


Figure 96. Senior secondary colleges



Comparison of study score distribution by location



Table 36. Study score distribution within the specified study by school location

Subject: EN01 English

	No. students	Maximum	Mean + STD	Mean	Mean - STD	Minimum
State result (all students)	23,475	50.0	35.2	28.4	21.6	3.0
Metropolitan schools	15,458	50.0	35.4	28.5	21.6	5.0
Provincial schools	3,632	49.0	34.4	27.8	21.1	5.0
Rural schools	4,385	50.0	35.0	28.5	21.9	3.0

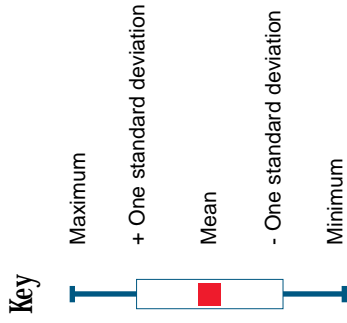


Figure 97. Study score distribution within VCE English: Regional status

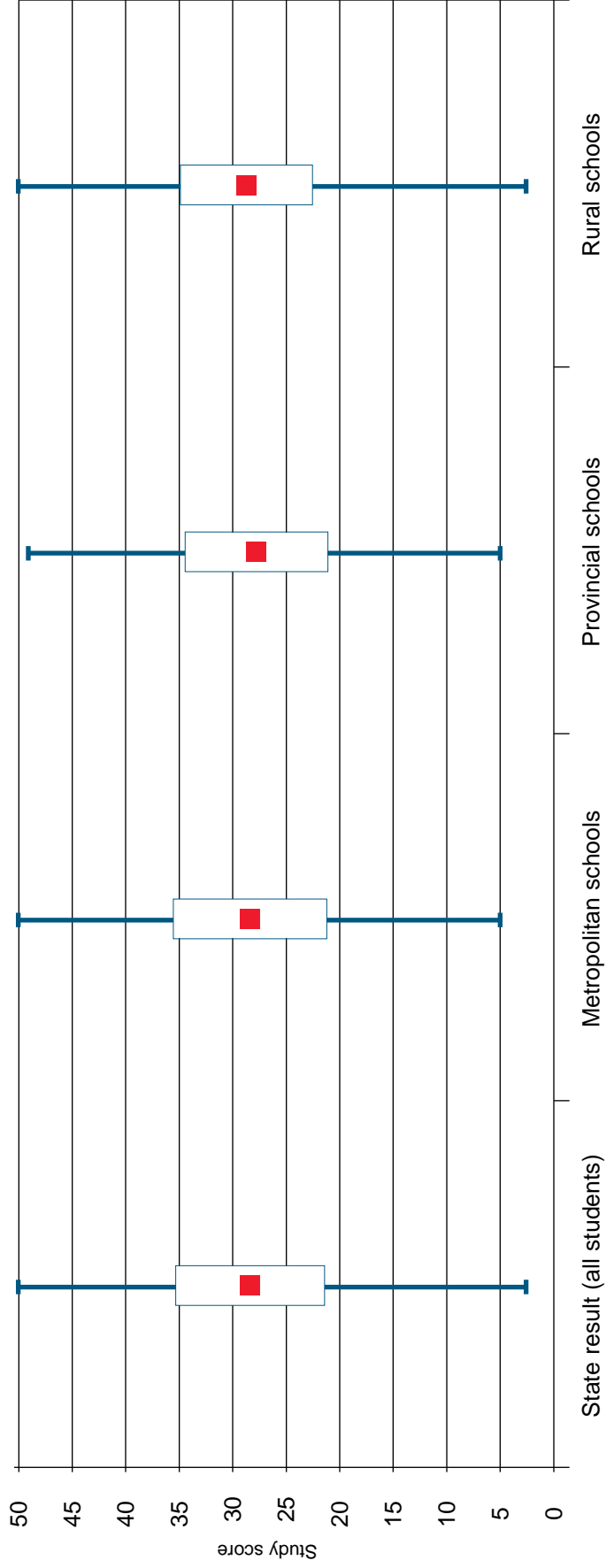


Table 37. Study score distribution within the specified study by school location

Subject: MA07 Further Mathematics

Key	No. students	Maximum	Mean + STD	Mean	Mean - STD	Minimum
Maximum						
+ One standard deviation						
Mean						
- One standard deviation						
Minimum						
	8,158	50.0	35.9	28.9	21.8	4.0
State result (all students)	5,178	50.0	35.5	28.3	21.2	4.0
Metropolitan schools	1,359	49.0	36.0	29.3	22.6	6.0
Provincial schools	1,621	50.0	36.8	30.1	23.5	11.0
Rural schools						

Figure 98. Study score distribution within VCE Further Mathematics: Regional status

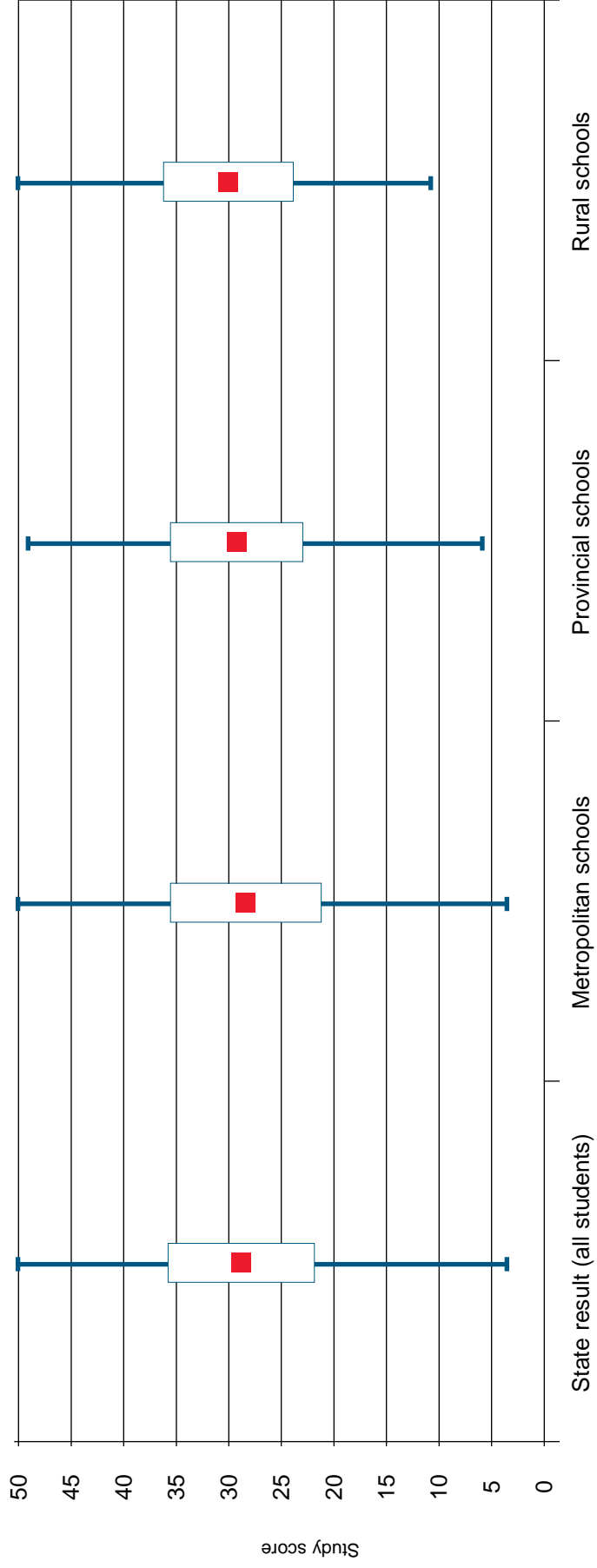
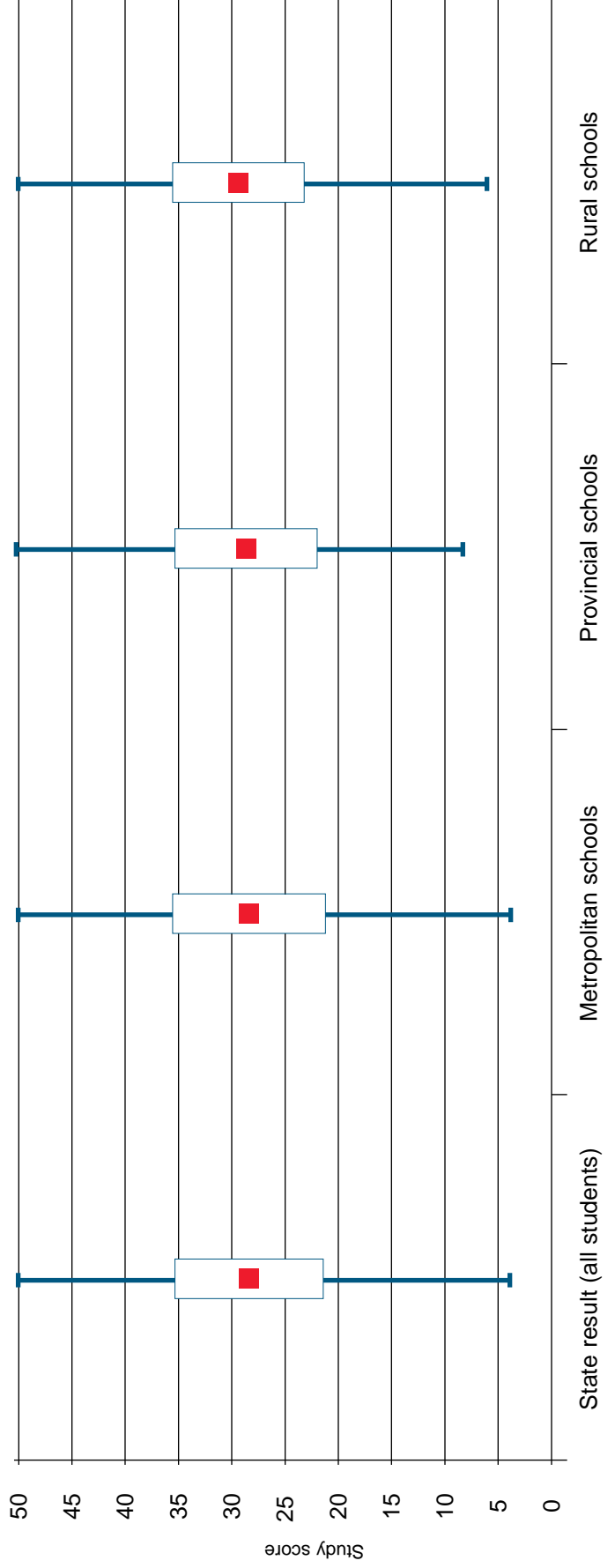


Table 38. Study score distribution within the specified study by school location

Subject: MA08 Mathematical Methods

Key	No. students	Maximum	Mean + STD	Mean	Mean - STD	Minimum
Maximum						
+ One standard deviation						
Mean						
- One standard deviation						
Minimum						
	State result (all students)	50.0	35.8	28.8	21.8	4.0
	Metropolitan schools	50.0	35.9	28.7	21.5	4.0
	Provincial schools	50.0	35.2	28.8	22.3	8.0
	Rural schools	50.0	35.7	29.3	22.9	6.0

Figure 99. Study score distribution within VCE Mathematical Methods: Regional status



Comparison of study score distribution by region



Table 39. Study score distribution within the specified study by region

Subject: EN01 English

	No. students	Maximum	Mean + STD	Mean	Mean - STD	Minimum
State results	23,475	50.0	35.2	28.4	21.6	3.0
Barwon–South Western	1,958	48.0	34.5	27.9	21.3	3.0
Central Highlands–Wimmera	1,163	48.0	35.1	28.6	22.2	9.0
Loddon Campaspe–Mallee	1,833	49.0	35.1	28.7	22.3	5.0
Goulburn–North Eastern	1,677	50.0	35.1	28.6	22.0	7.0
Gippsland	1,386	49.0	33.8	26.9	20.0	7.0
Eastern Metropolitan	5,114	50.0	36.4	29.8	23.1	8.0
Western Metropolitan	2,729	50.0	33.4	26.7	20.1	5.0
Southern Metropolitan	4,466	50.0	35.7	28.7	21.7	6.0
Northern Metropolitan	3,149	49.0	34.6	27.6	20.6	7.0

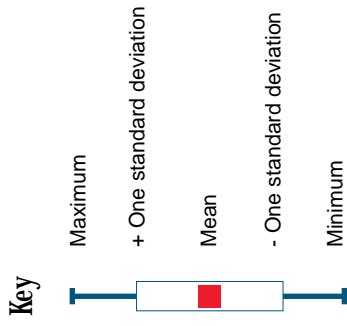


Figure 100. Regional differences

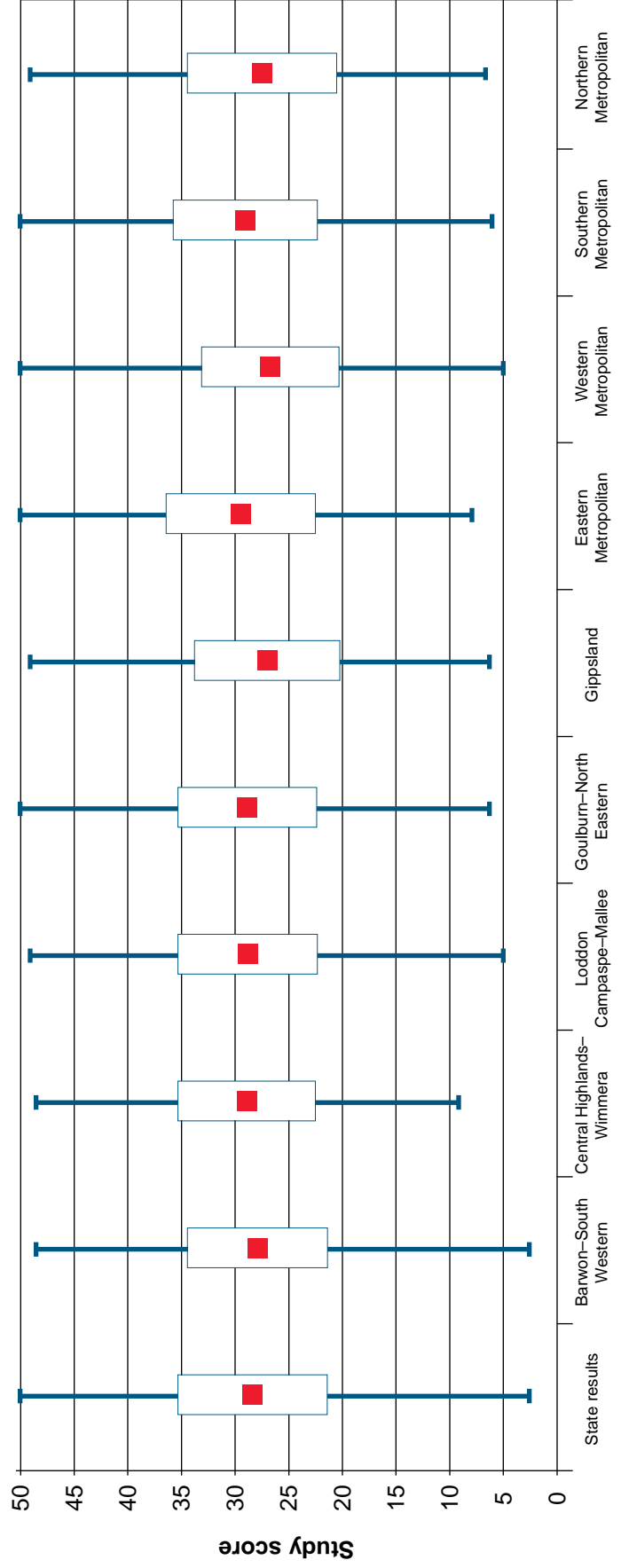


Table 40. Study score distribution within the specified study by region

Subject: MA07 Further Mathematics

	No. students	Maximum	Mean + STD	Mean	Mean - STD	Minimum
State results	8,158	50.0	35.9	28.9	21.8	4.0
Barwon-South Western	703	49.0	36.7	30.4	24.2	10.0
Central Highlands-Wimmera	392	46.0	36.7	30.0	23.2	6.0
Loddon Campaspe-Mallee	656	50.0	38.2	31.5	24.8	11.0
Goulburn-North Eastern	655	49.0	35.2	28.8	22.5	9.0
Gippsland	574	49.0	34.8	27.9	21.0	10.0
Eastern Metropolitan	1570	50.0	37.4	30.6	23.7	6.0
Western Metropolitan	955	49.0	33.3	26.5	19.8	9.0
Southern Metropolitan	1467	50.0	35.9	28.6	21.2	5.0
Northern Metropolitan	1186	50.0	33.2	26.5	19.8	4.0

Key

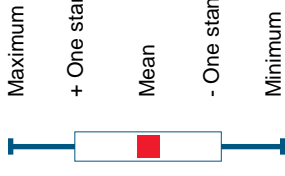


Figure 101. Regional differences

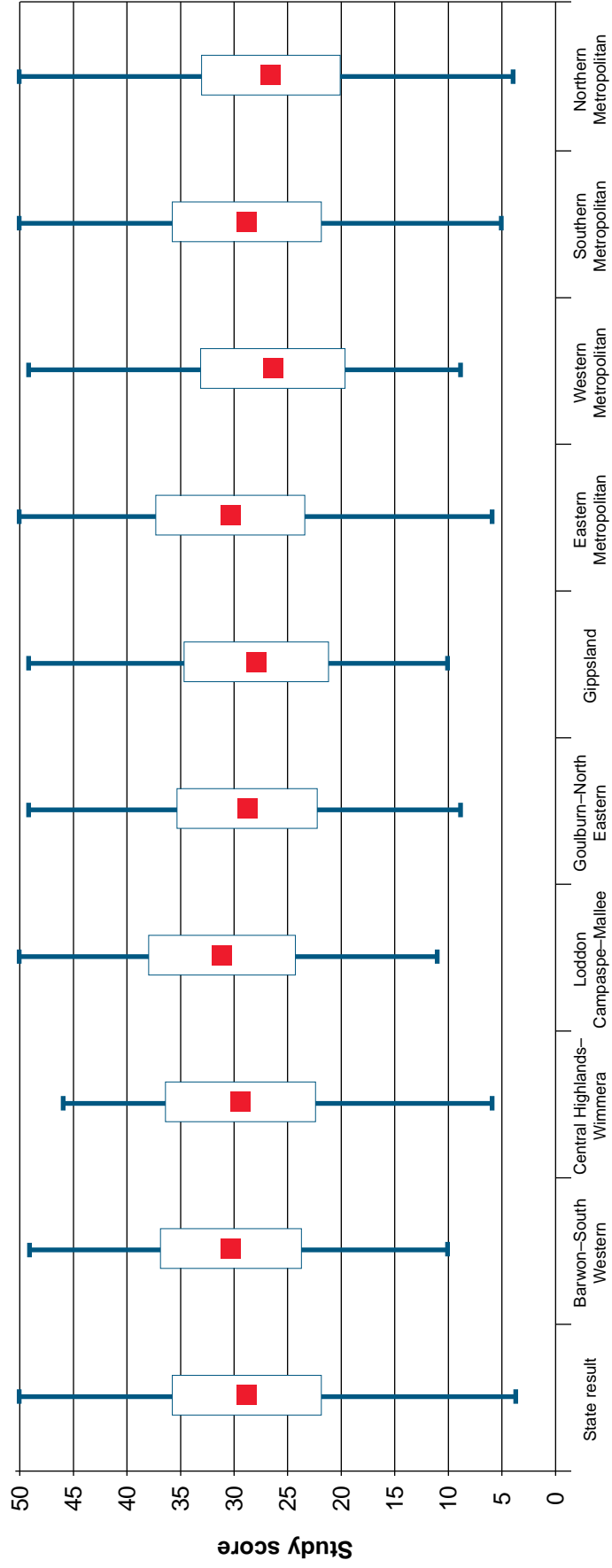


Table 41. Study score distribution within the specified study by region

Subject: MA08 Mathematical Methods

	No. students	Maximum	Mean + STD	Mean	Mean - STD	Minimum
State results	8,371	50.0	35.8	28.8	21.8	4.0
Barwon–South Western	562	50.0	35.0	28.6	22.2	6.0
Central Highlands–Wimmera	324	49.0	35.5	29.3	23.1	10.0
Loddon Campaspe–Mallee	567	50.0	36.1	30.0	23.9	15.0
Goulburn–North Eastern	542	48.0	35.4	28.8	22.2	7.0
Gippsland	360	46.0	35.2	28.4	21.6	8.0
Eastern Metropolitan	2114	50.0	36.4	29.7	23.0	8.0
Western Metropolitan	1013	49.0	34.5	27.1	19.6	5.0
Southern Metropolitan	1811	50.0	36.7	29.5	22.3	6.0
Northern Metropolitan	1078	49.0	34.3	27.0	19.7	4.0

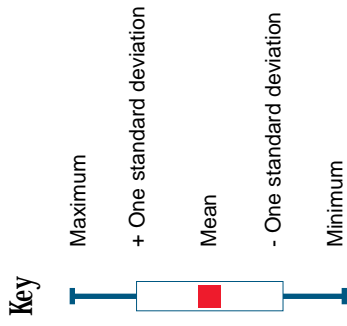
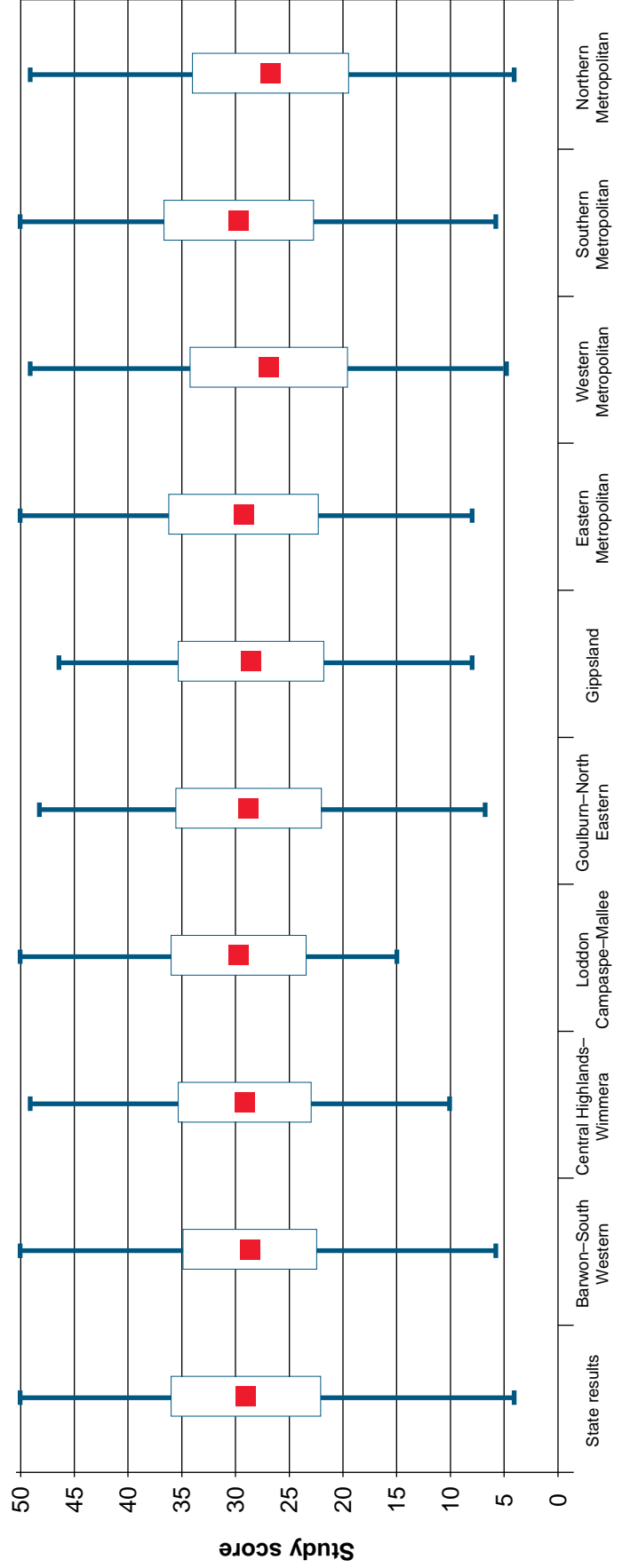


Figure 102. Regional differences



Comparison of study score distribution for girls in coeducational and all girl schools



Table 42. Comparison of study score distribution for girls in coeducational and all girl schools

Subject: EN01 English

	No. students	Maximum	Mean + STD	Mean	Mean - STD	Minimum
State result (all students)	23,475	50.0	35.2	28.4	21.6	3.0
Girls in coeducational schools	12,191	50.0	35.8	29.4	23.0	3.0
Girls in girls only schools	937	50.0	39.0	32.1	25.2	12.0

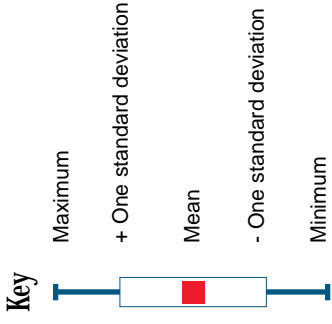


Figure 103. Comparison of study score distribution for girls in coeducational and all girl schools—VCE English: State results

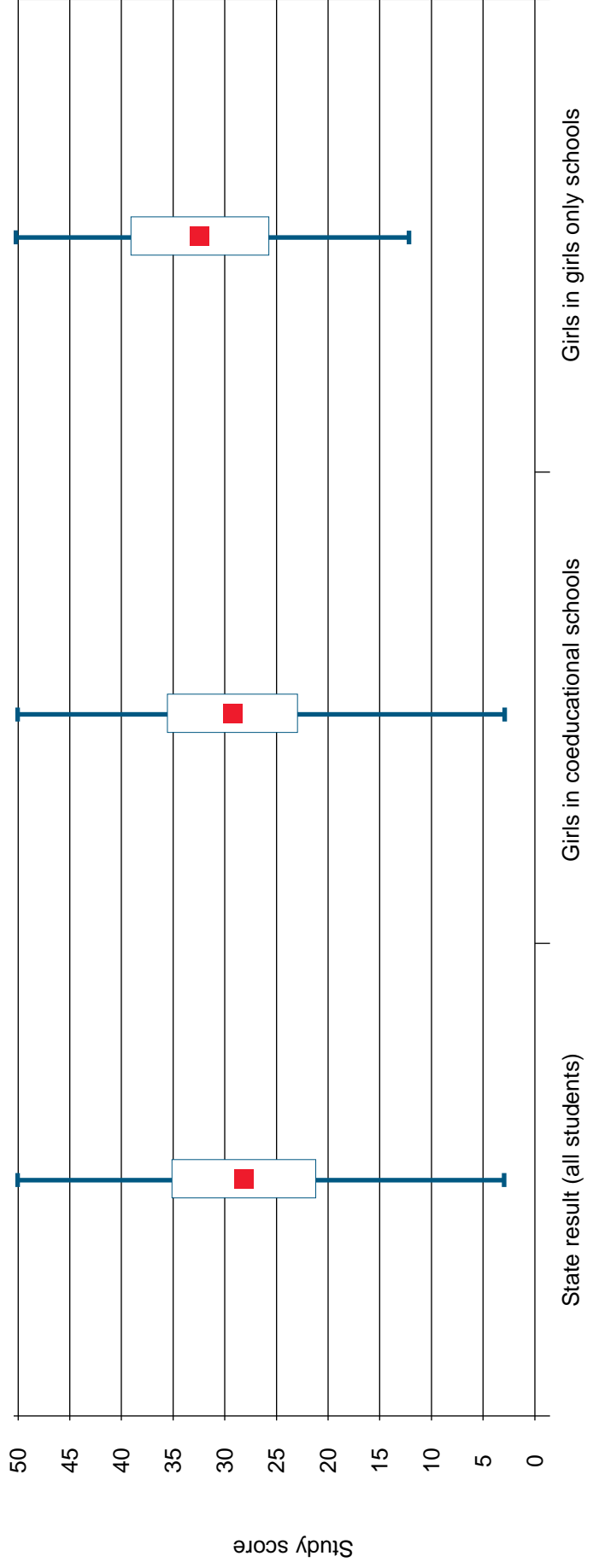


Table 43. Comparison of study score distribution for girls in coeducational and all girl schools

Subject: MA07 Further Mathematics

	No. students	Maximum	Mean + STD	Mean	Mean - STD	Minimum
State result (all students)	8,158	50.0	35.9	28.9	21.8	4.0
Girls in coeducational schools	4,064	50.0	36.4	29.7	23.0	8.0
Girls in girls only schools	201	48.0	36.6	30.3	24.0	15.0

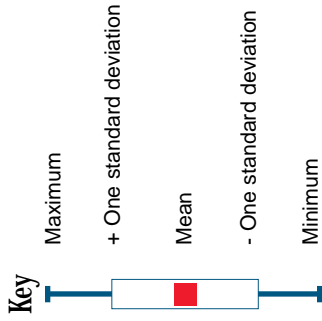


Figure 104. Comparison of study score distribution for girls in coeducational and all girl schools—VCE Further Mathematics: State results

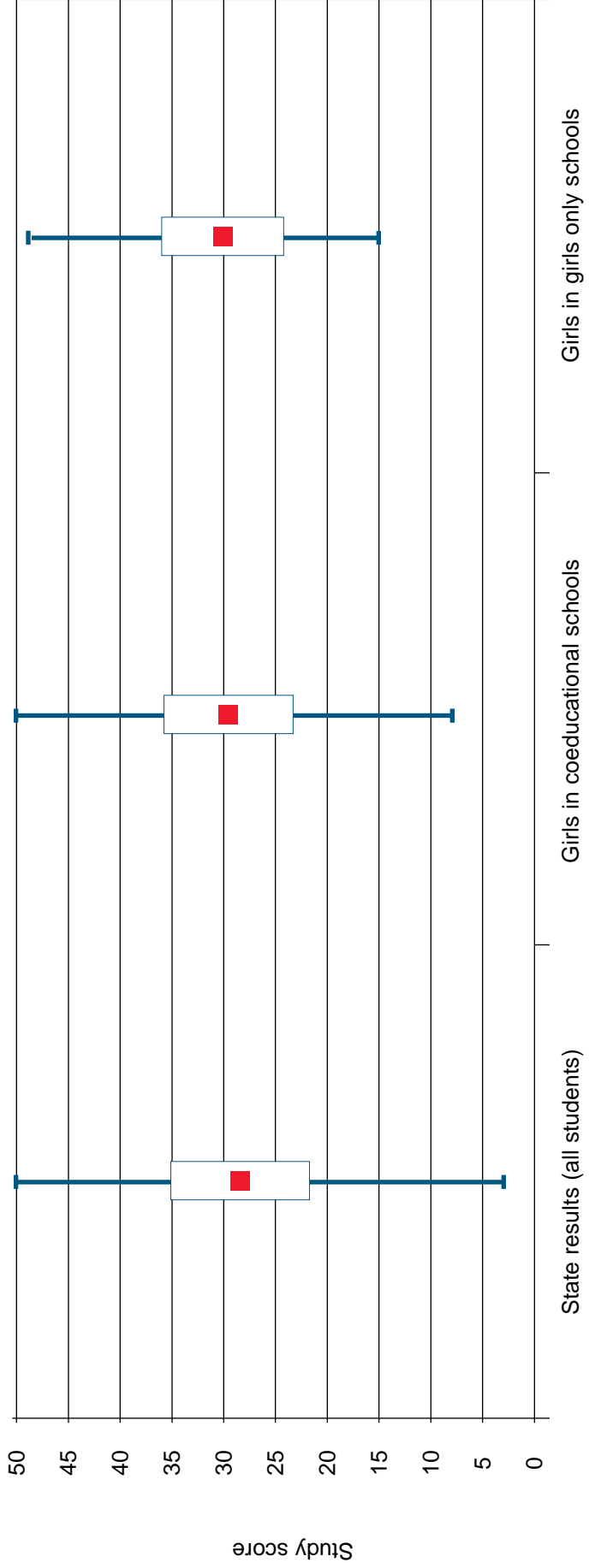


Table 44. Comparison of study score distribution for girls in coeducational and all girl schools

Subject: MA08 Mathematical Methods

	No. students	Maximum	Mean + STD	Mean	Mean - STD	Minimum
State result (all students)	8,371	50.0	35.8	28.8	21.8	4.0
Girls in coeducational schools	3,563	50.0	34.7	28.3	21.9	6.0
Girls in girls only schools	465	50.0	38.2	31.4	24.5	9.0

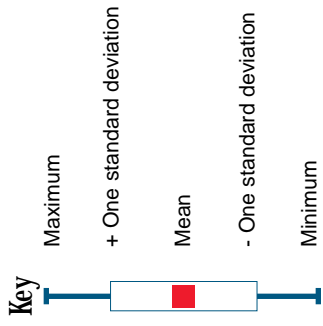
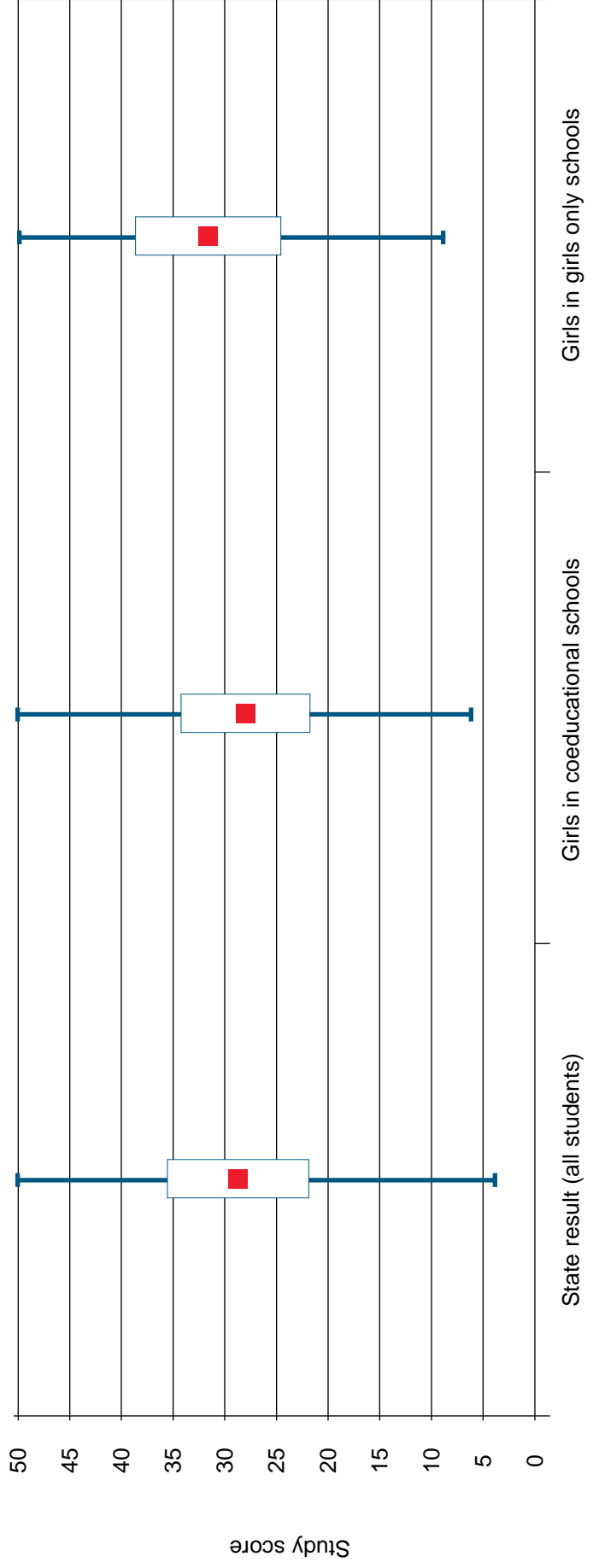


Figure 105. Comparison of study score distribution for girls in coeducational and all girl schools—VCE Mathematical Methods: State results



Comparison of study score distribution for “like” school group 3 and selected entry schools



Table 45. Comparison of study score distribution for “like” school group 3 and selected entry schools

Subject: EN01 English
 “Like” school group: 3

Key	No. students	Maximum	Mean + STD	Mean	Mean - STD	Minimum
Maximum	23,475	50.0	35.2	28.4	21.6	3.0
+ One standard deviation	838	50.0	39.6	33.5	27.5	11.0
Mean	470	50.0	42.9	38.0	33.1	24.0
- One standard deviation						
Minimum						

Figure 106. Comparison of study score distribution for “like” school group 3 and selected entry schools–VCE English: State results

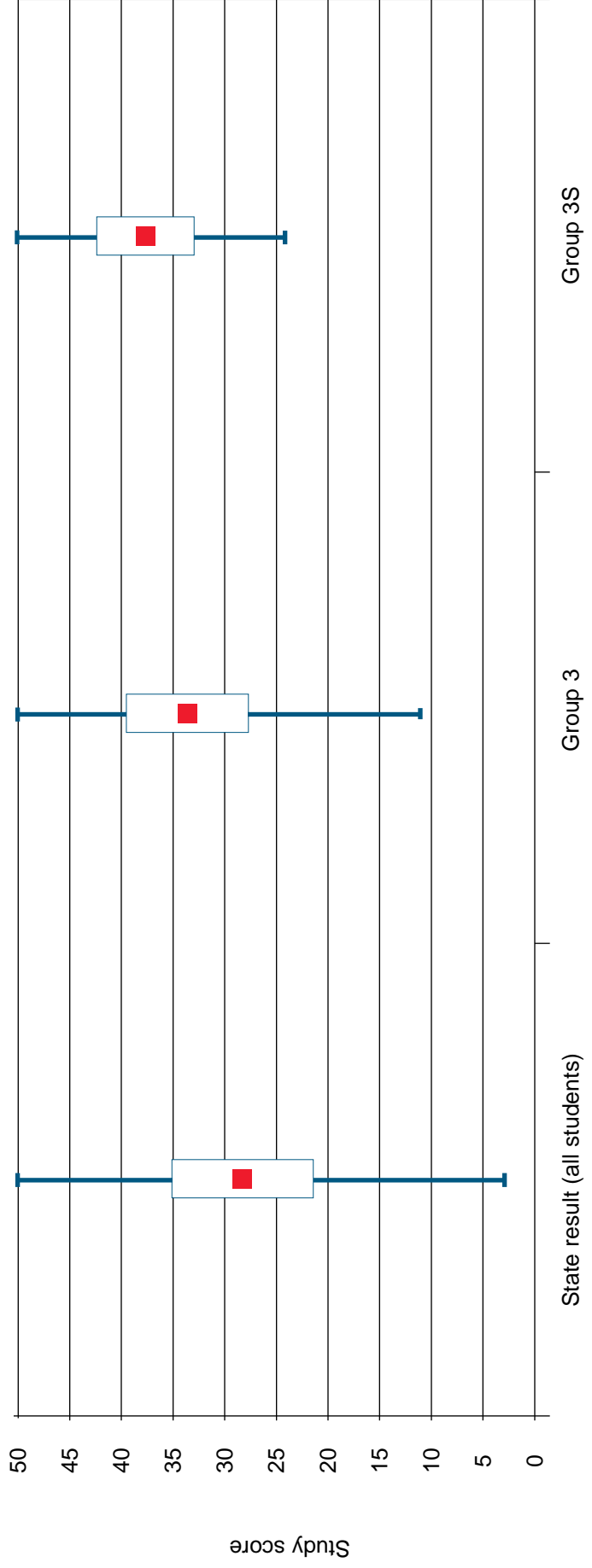


Table 46. Comparison of study score distribution for “like” school group 3 and selected entry schools

Subject: MA07 Further Mathematics
 “Like” school group: 3

Key	No. students	Maximum	Mean + STD	Mean	Mean - STD	Minimum
Maximum	8,158	50.0	35.9	28.9	21.8	4.0
+ One standard deviation	163	50.0	39.7	33.4	27.2	16.0
Mean	37	50.0	41.8	34.8	27.7	18.0
- One standard deviation						
Minimum						

Figure 107. Comparison of study score distribution for “like” school group 3 and selected entry schools–VCE Further Mathematics: State results

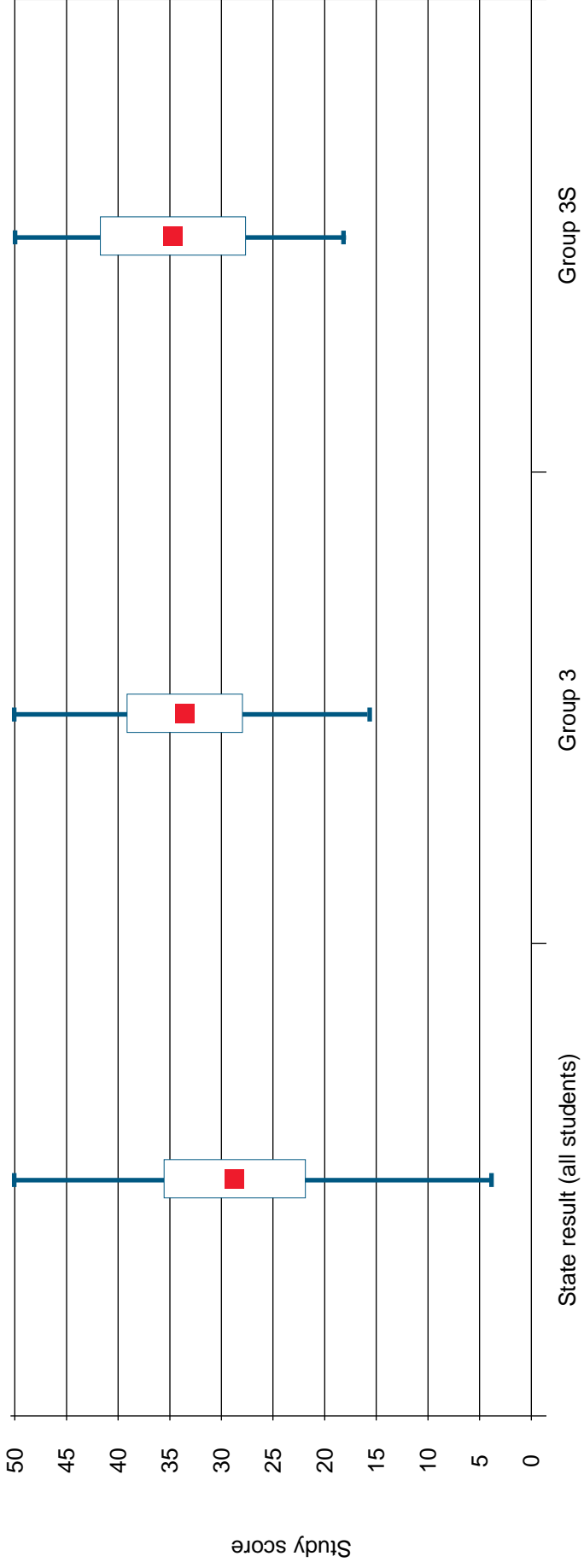


Table 47. Comparison of study score distribution for girls in coeducational and all girl schools

Subject: MA08 Mathematical Methods
 "Like" school group: 3

Key	No. students	Maximum	Mean + STD	Mean	Mean - STD	Minimum
Maximum						
+ One standard deviation						
Mean						
- One standard deviation						
Minimum						
	State result (all students)	50.0	35.8	28.8	21.8	4.0
	Group 3	50.0	39.1	33.1	27.0	10.0
	Group 3S	50.0	41.5	35.7	30.0	18.0

Figure 108. Comparison of study score distribution for "like" school group 3 and selected entry schools--VCE Mathematical Methods: State results

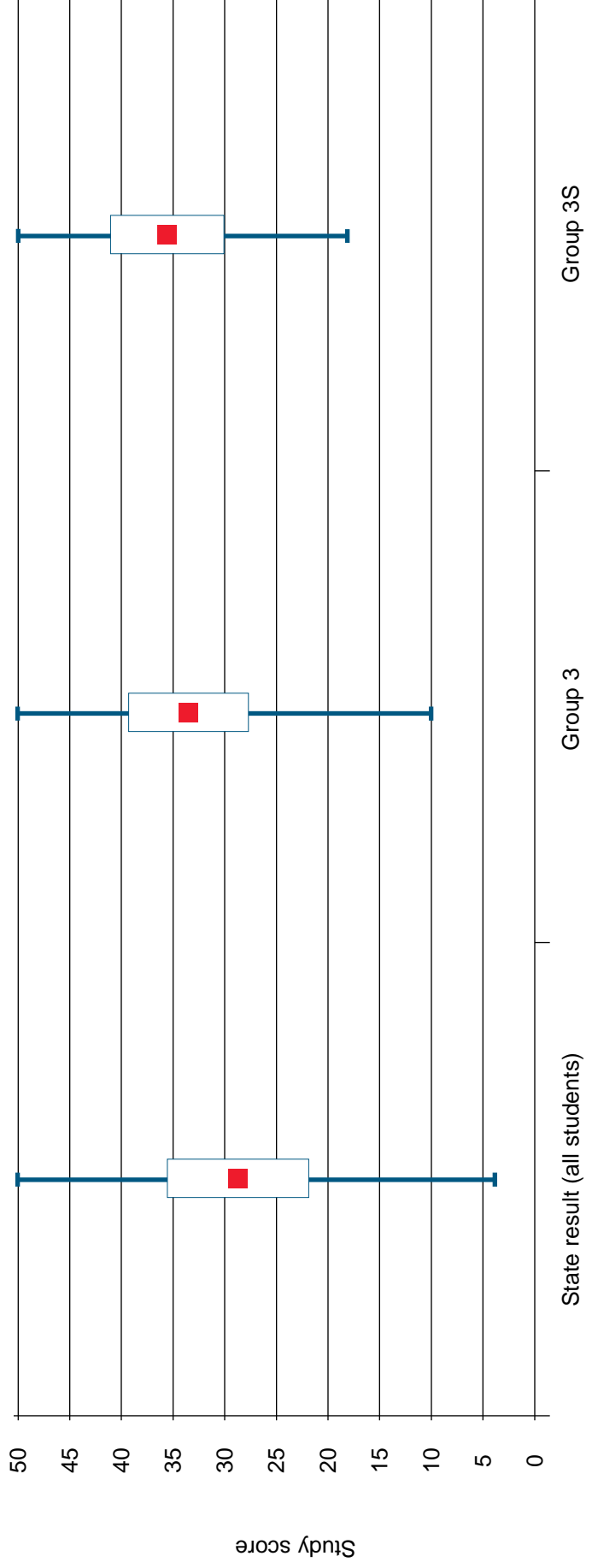


Table 48. Year 11–12 retention by “like” school group

	State	Like school group 1	Like school group 2	Like school group 3	Like school group 4	Like school group 5	Like school group 6	Like school group 7	Like school group 8	Like school group 9
Maximum	119.5	96.79	97.87	96.41	119.50	110.57	105.04	95.00	87.50	88.67
75th Percentile	83.75	87.62	92.12	95.09	80.65	85.45	87.71	77.91	71.81	81.97
Mean	79.13	83.32	83.87	91.59	75.15	83.49	85.01	72.35	68.37	75.06
25th Percentile	69.16	78.71	81.60	90.91	67.66	70.73	76.60	66.37	62.43	69.15
Minimum	27.44	62.92	77.26	81.37	42.31	27.44	65.79	48.35	56.10	50.75

Figure 109. Year 11–12 retention by “like” school group

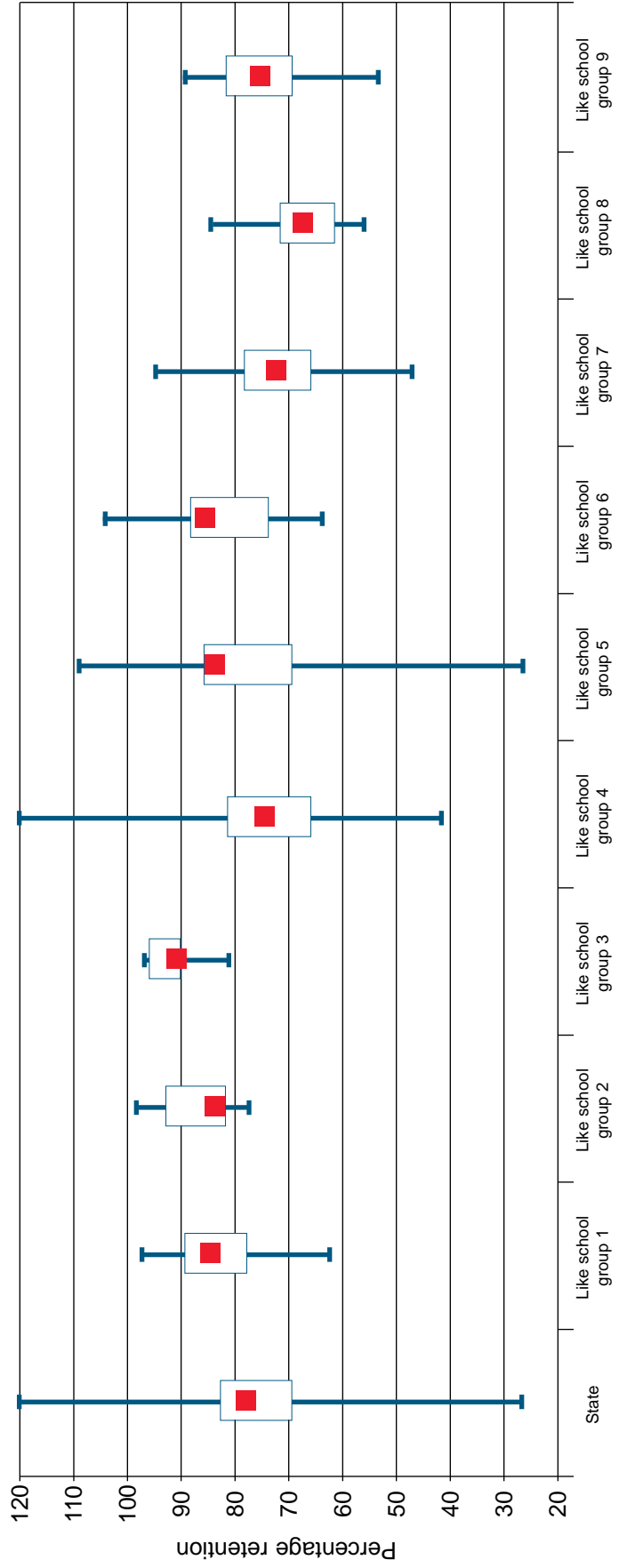


Table 49. Year 12 retention by “like” school group

	State	Like school group 1	Like school group 2	Like school group 3	Like school group 4	Like school group 5	Like school group 6	Like school group 7	Like school group 8	Like school group 9
Maximum	102.11	101.94	100.00	100.00	102.11	100.00	97.70	101.19	100.00	101.09
75th Percentile	97.10	95.90	98.28	99.23	96.59	97.70	97.25	96.43	91.16	96.12
Mean	93.23	93.90	96.21	98.32	92.10	93.37	92.29	91.58	89.61	93.52
25th Percentile	90.78	92.02	95.09	97.56	90.13	91.91	90.36	89.55	86.79	91.33
Minimum	66.90	87.80	90.90	96.82	74.39	79.73	83.84	66.90	84.05	75.34

Figure 110. Year 12 Retention by “like” school group

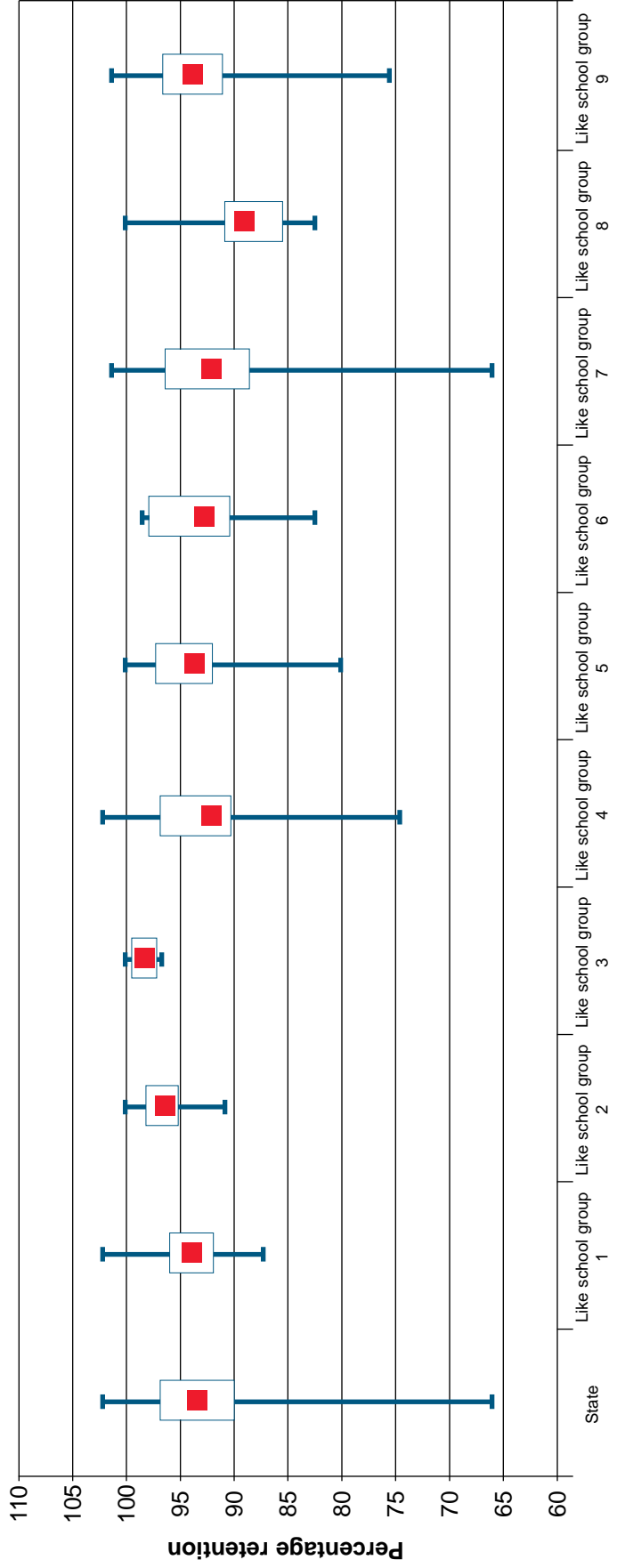


Table 50. Year 11–12 retention by gender and location

	State	Boys	Girls
Maximum	119.5	115.69	133.00
75th Percentile	83.75	79.28	89.13
Mean	79.13	72.83	85.28
25th Percentile	69.16	60.54	76.18
Minimum	27.44	22.94	44.44

	State	Country	Metropolitan
Maximum	119.50	100.00	113.50
75th Percentile	83.75	81.71	85.09
Mean	79.13	75.78	80.83
25th Percentile	69.16	68.78	69.49
Minimum	27.44	42.31	27.44

Figure 111. Year 11–12 retention by gender

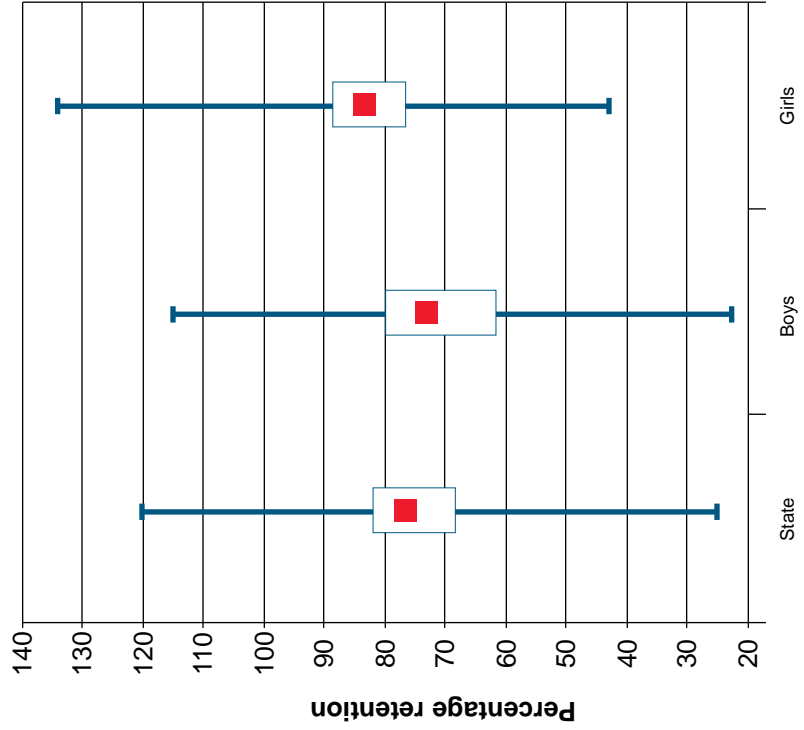


Figure 112. Year 11–12 retention by location

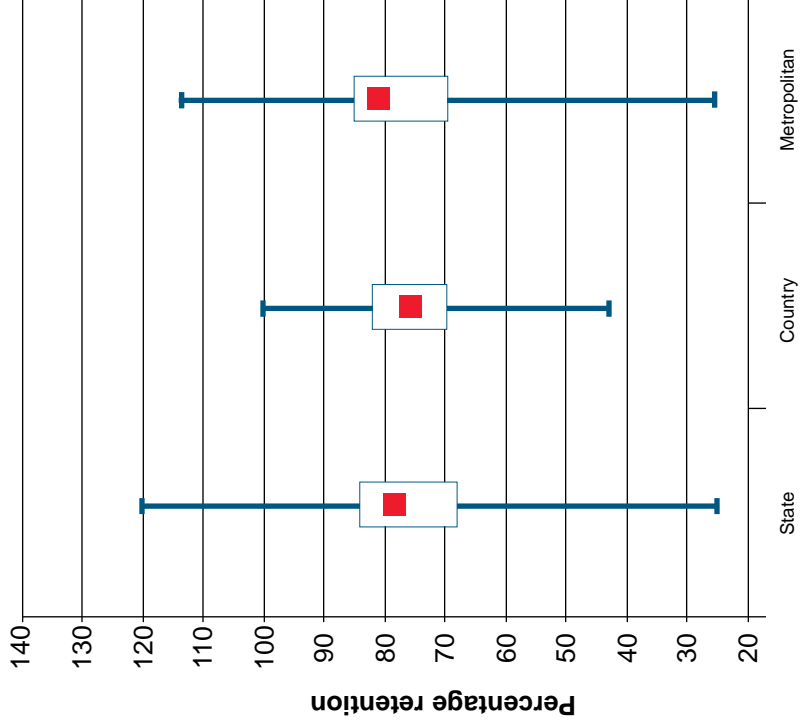


Table 51. Year 12 retention by gender and location

	State	Boys	Girls
Maximum	102.11	114.29	105.77
75th Percentile	97.10	96.97	98.74
Mean	93.23	91.54	94.68
25th Percentile	90.78	88.26	91.94
Minimum	66.90	70.74	59.60

	State	Country	Metropolitan
Maximum	102.11	102.11	101.94
75th Percentile	97.10	97.37	96.90
Mean	93.23	92.55	93.55
25th Percentile	90.78	90.00	91.24
Minimum	66.90	66.90	75.34

Figure 113. Year 12 retention by gender

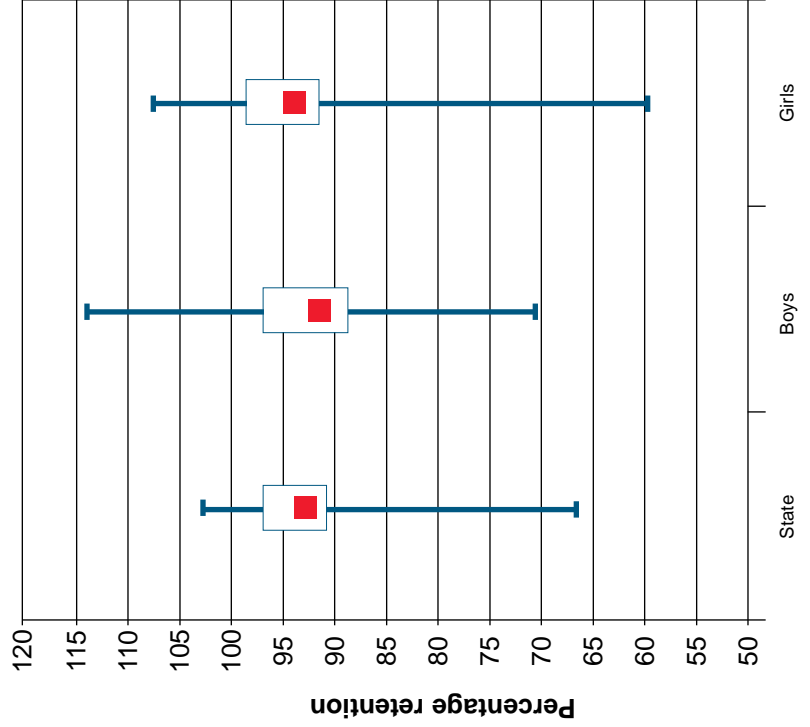
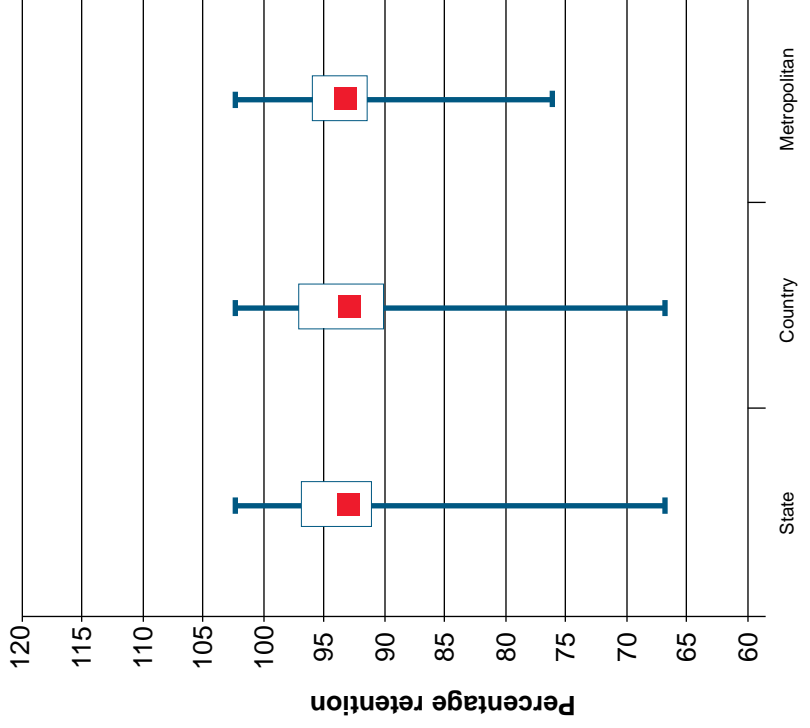


Figure 114. Year 12 retention by location



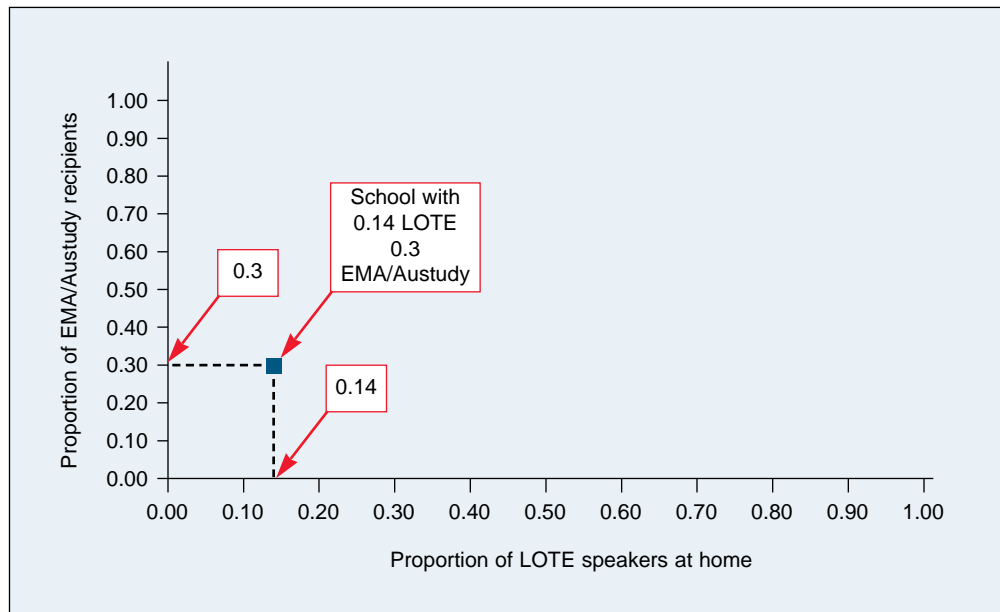
Appendix 1. “Like” school groups

Like school groups		
<p>Group 7</p> <p>Nil–Low LOTE High EMA/Austudy 0 to \leq 0.04 LOTE >0.43 EMA/Austudy</p> <p>(52 schools)</p>	<p>Group 8</p> <p>Low LOTE High EMA/Austudy</p> <p>0.04 to \leq 0.248 LOTE >0.43 EMA/Austudy</p> <p>(11 schools)</p>	<p>Group 9</p> <p>Medium–High LOTE High EMA/Austudy</p> <p>>0.248 LOTE >0.43 EMA/Austudy</p> <p>(40 schools)</p>
<p>Group 4</p> <p>Nil–Low LOTE Medium EMA/Austudy</p> <p>0 to \leq 0.04 LOTE 0.28 to \leq 0.43 EMA/Austudy</p> <p>(88 schools)</p>	<p>Group 5</p> <p>Low LOTE Medium EMA/Austudy</p> <p>0.04 to \leq 0.248 LOTE 0.28 to \leq 0.43 EMA/Austudy</p> <p>(34 schools)</p>	<p>Group 6</p> <p>Medium–High LOTE Medium EMA/Austudy</p> <p>> 0.248 LOTE 0.28 \leq 0.43 EMA/Austudy</p> <p>(17 schools)</p>
<p>Group 1</p> <p>Nil–Low LOTE Low EMA/Austudy</p> <p>0 to <0.04 LOTE 0 to \leq 0.28 EMA/Austudy</p> <p>(21 schools)</p>	<p>Group 2</p> <p>Low LOTE Low EMA/Austudy</p> <p>0.04 to \leq 0.248 LOTE 0 to \leq 0.28 EMA/Austudy</p> <p>(25 schools)</p>	<p>Group 3</p> <p>Medium–High LOTE Low EMA/Austudy</p> <p>>0.248 LOTE 0 to \leq 0.28 EMA/Austudy</p> <p>(7 schools)</p>

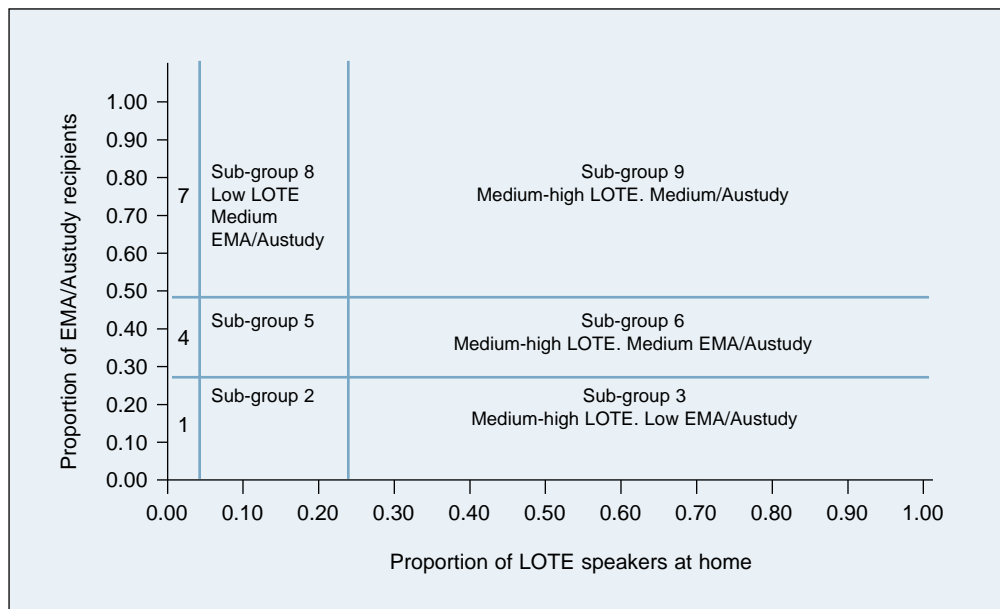
Example

A school for which the proportion of students for whom English is not the preferred language at home is 0.14 (14 per cent) and the proportion of students on EMA or Austudy 0.30 (30 per cent), will be included in sub-group five.

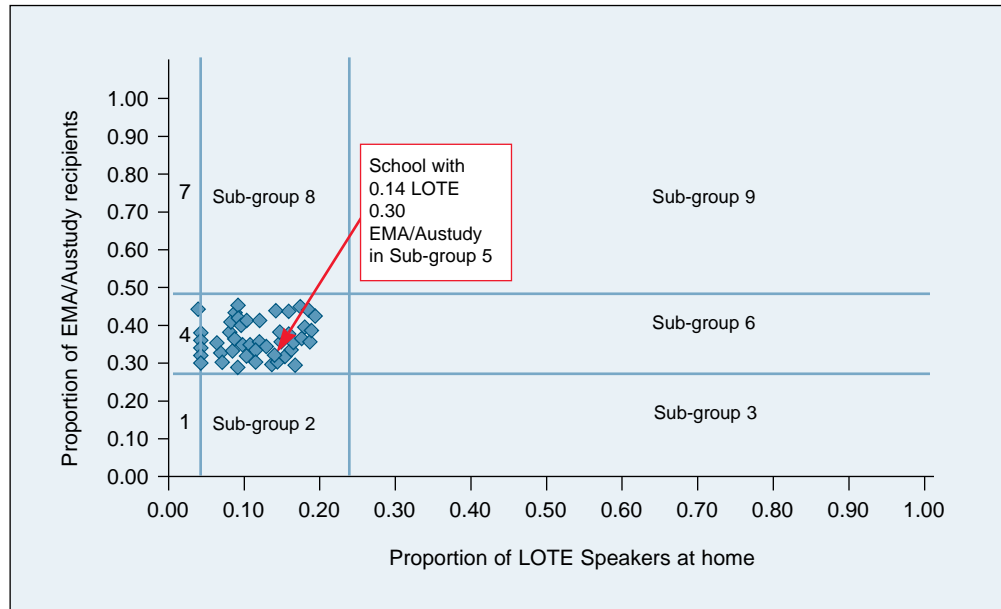
The position of this school in sub-group 5 can be shown as a point on a graph which has the proportion of students with a LOTE spoken at home on one axis and the proportion of students receiving EMA or Austudy on the other. The school will appear as a single point



The boundaries of each of the “like” school sub-groups can also be shown on a graph.

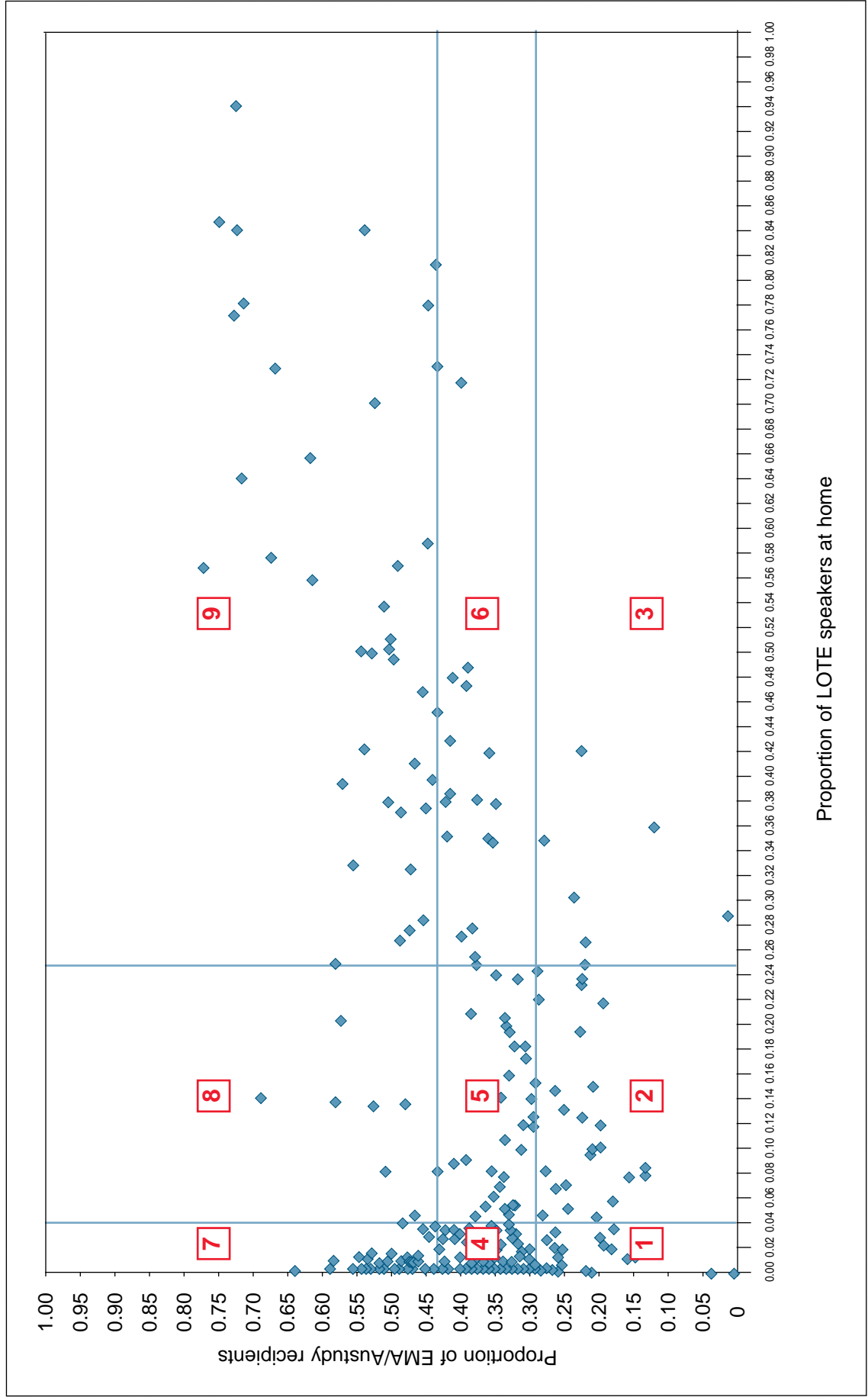


When all of the 114 schools in sub-group 5 (primary and secondary) are plotted, the position of the example school with a LOTE proportion of 0.14 and EMA/Austudy of 0.3 can be seen in relation to others in the group.



The position of the school in relation to all schools in the state is shown on the following graph.

Figure 118



Identifying the relevant “like” school group

The August census form contains all information required to calculate the proportion of students in receipt of EMA/Austudy and the proportion of students where a language other than English is the main language spoken at home. An example of the census form is given below.

August Census Form

Date printed 02/08/97

Year of education	EMA/ Austudy							Not English spoken at home			Total FTE
P											
1											
etc											
12											
Total FTE		250						117			833

In order to calculate the proportions for a particular school, three figures from the census form are required.

- the total number of students attending the school
- the number of students at the school where English is not the main language spoken at home, and
- the number in receipt of either EMA or Austudy.

This information is available from the totals row of the census form, for example:

Proportion of EMA/Austudy = Number of student receiving EMA/Austudy divided by the total number of students in the school
 = $250/833$
 = 0.30

Proportion of NESB = Number of student where a LOTE is the main language at home divided by the total number of students in the school
 = $117/833$
 = 0.14

Proportion of NESB = Number of student where a LOTE is the main language at home divided by the the total number of students in the school
 = $30/1557.7$
 = 0.0193

This places the school in “like” school group 5.

Appendix 2. Schools in each “like” school group

“Like” school group 1

Belmont High School
 Cann River P-12 College
 Diamond Valley Secondary College
 Distance Education Centre, Victoria
 Echuca High School
 Eltham High School
 Emerald Secondary College
 Frankston High School
 Montmorency Secondary College
 Mooroolbark Heights Secondary College
 Mount Eliza Secondary College
 Mount Erin Secondary College
 Murrayville Community College
 Oberon High School
 Parkwood Secondary College
 St Helena Secondary College
 Sunbury Downs Secondary College
 Sunbury Secondary College
 Warracknabeal Secondary College
 Warrandyte High School
 Wodonga High School

“Like” school group 2

Blackburn High School
 Box Hill High School
 Brentwood Secondary College
 Canterbury Girls Secondary College
 Doncaster Secondary College
 Fairhills High School
 Gladstone Park Secondary College
 Heathmont College
 Highvale Secondary College
 Koonung Secondary College
 McKinnon Secondary College
 Mentone Girls Secondary College
 Norwood Secondary College
 Parkdale Secondary College
 Ringwood Secondary College
 Rowville Secondary College
 Scoresby Secondary College
 Strathmore Secondary College
 Taylors Lakes Secondary College
 Templestowe College
 The Grange Secondary College
 Vermont Secondary College
 Victorian College of the Arts
 Viewbank College
 Wheelers Hill Secondary College



“Like” school group 3

Balwyn High School
East Doncaster Secondary College
Glen Waverley Secondary College
Mac.Robertson Girls High School
Melbourne High School
Mount Waverley Secondary College
University High School

“Like” school group 4

Alexandra Secondary College
Ararat Community College Secondary
Bacchus Marsh Secondary College
Bairnsdale Secondary College
Ballarat High School
Beechworth Secondary College
Bellarine Secondary College
Berwick Secondary College
Birchip P-12 School
Boort Secondary College
Boronia Heights Secondary College
Brauer Secondary College
Bright P-12 College
Broadford Secondary College
Camperdown College
Charlton College
Cohuna Secondary College
Colac High School
Corryong Secondary College
Cranbourne Secondary College
Croydon Community School
Croydon Secondary College
Derrinallum P-12 College
Dimboola Memorial Secondary College
Donald High School
Drouin Secondary College
East Loddon P-12 College
Ferntree Gully College
Geelong High School
Gisborne Secondary College
Grovedale Secondary College
Healesville High School
Heywood District Secondary College
Hopetoun Secondary College
Horsham College
Kaniva Secondary College
Karingal Park Secondary College
Koo Wee Rup Secondary College



Korumburra Secondary College
Kyabram Secondary College
Kyneton Secondary College
La Trobe Secondary College
Langwarrin Secondary College
Leongatha Secondary College
Lilydale Heights Secondary College
Lilydale High School
Lorne P-12 College
Maffra Secondary College
Manangatang P-12 College
Melton Secondary College
Mirboo North Secondary College
Mitchell Secondary College Wodonga
Monbulk College
Mount Beauty Secondary College
Murtoa Secondary College
Myrtleford Secondary College
Newcomb Secondary College
Nhill College
Ouyen Secondary College
Pakenham Secondary College
Patterson River Secondary College
Pembroke Secondary College
Portland Secondary College
Rochester Secondary College
Rosebud Secondary College
Rutherglen High School
Seymour Technical High School
South Gippsland Secondary College
Stawell Secondary College
Swinburne Senior Secondary College
Tallangatta Secondary College
Terang College
Timboon P-12 School
Trafalgar High School
Traralgon Secondary College
Tyrrell College
Upper Yarra Secondary College
Upwey High School

Wanganui Park Secondary College
Wangaratta High School
Warragul Regional College
Warrnambool College
Werrimull P-12 School
Western Heights Secondary College
Whittlesea Secondary College
Wodonga West Secondary College
Yarram Secondary College
Yarrawonga Secondary College



“Like” school group 5

Altona Secondary College
Ashwood Secondary College
Bayswater Secondary College
Box Hill Senior Secondary College
Brandon Park Secondary College
Brighton Secondary College
Buckley Park Secondary College
Bundoora Secondary College
Camberwell High School
Cheltenham Secondary College
Craigieburn Secondary College
Essendon East Keilor District College
Eumemmerring Secondary College
Galvin Park Secondary College
Greensborough Secondary College
Hampton Park Secondary College
Hawthorn Secondary College
Hoppers Crossing Secondary College
Kurunjang Secondary College
Laverton Secondary College
Lyndhurst Secondary College
Macleod P-12 College
Maroondah Secondary College
Matthew Flinders Girls Secondary College
Mildura Senior College
Mill Park Secondary College
Mordialloc Chelsea Secondary College
Mullauna Secondary College
Niddrie Secondary College
Sandringham Secondary College
Shepparton High School
Wantirna Secondary College
Werribee Secondary College
Williamstown High School

“Like” school group 6

Carwatha College
Coburg Preston P-12 College
Elwood College
Epping Secondary College
Footscray City Footscray Yarraville Secondary College
Forest Hill Secondary College
Keilor Downs Secondary College
Kew High School
Lalor North Secondary College
Melbourne Girls College
Merrilands P-12 College
Monash Secondary College
North Geelong Secondary College
Point Gellibrand Girls Secondary College
Princes Hill Secondary College
Thornbury Darebin Secondary College
Wellington Secondary College

“Like” school group 7

Apollo Bay P-12 College
Baimbridge College
Ballarat Secondary College
Balmoral High School
Beaufort Secondary College
Benalla College
Bendigo Senior Secondary College
Casterton Secondary College
Castlemaine Secondary College
Cobden Technical School
Cobram Secondary College
Colac College
Daylesford Secondary College
Dromana Secondary College
Echuca Secondary College
Edenhope P12 College
Euroa Secondary College
Goroke P-12 College
Hawkesdale P-12 College
James Harrison Secondary College
Kerang Technical High School
Kurnai College
Lake Bolac Secondary College
Lavers Hill P-12 College
Lowanna College
Mallacoota P-12 College
Mansfield Secondary College
Maryborough Regional College
McGuire College
Mornington Secondary College
Mortlake P-12 College
Mount Clear Secondary College
Nathalia Secondary College
Neerim District Secondary College
Numurkah Secondary College
Orbost Secondary College
Rainbow Secondary College
Red Cliffs Secondary College
Rushworth P-12 College
Sale Macalister Secondary College
Sebastopol Secondary School
Sherbrooke Community School
St Arnaud Secondary College
Swan Hill Secondary College
Swifts Creek Secondary College
Wangaratta Secondary College
Wedderburn High School
Western Port Secondary College
Wilson Park Secondary College
Wonthaggi Secondary College
Wycheproof P-12 College
Yea High School



“Like” school group 8

Box Forest Secondary College
Corio Community College
Doveton Secondary College
Kensington Community School
Lynall Hall Community School
Monterey Secondary College
Moorabbin City Secondary College
Mooroopna Secondary College
Northland Secondary College
Robinvale Secondary College
Sydney Road Community School

“Like” school group 9

Banksia Secondary College
Bayside Secondary College
Braybrook Secondary College
Broadmeadows Secondary College
Brunswick Secondary College
Chandler Secondary College
Cleeland Secondary College
Collingwood College
Coomoora Secondary College
Dandenong High School
Debney Park Secondary College
Deer Park Secondary College
Erinbank Secondary College
Fawkner Secondary College
Gilmore College for Girls
Glen Eira College
Heatherhill Secondary College
Hillcrest Secondary College
Hobsons Bay Secondary College
Jamieson Park Secondary College
Kealba Secondary College
Kings Park Secondary College
Lakeside Secondary College
Lalor Secondary College
Lyndale Secondary College
Maribyrnong Secondary College
Noble Park Secondary College
Northcote High School
Pascoe Vale Girls Secondary College
Peter Lalor Secondary College
Preston Girls Secondary College
Reservoir District Secondary College
South Oakleigh Secondary College
Springvale Secondary College
St Albans Secondary College
Sunshine Secondary College
Thomastown Secondary College
Upfield Secondary College
Victorian School of Languages
Westall Secondary College