

## Section H

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## H1: 2011 ATAR Subject Scores

VCAA provides VTAC with study scores (relative positions). These study scores are scaled in order to calculate scaled aggregates and Australian Tertiary Admission Ranks (ATARs). Candidates are in the 2011 scaling population if, excluding small studies, they have obtained at least one VCAA study score in 2011, at least four in total, at least one in an English study [English, English (SL), English Language or Literature], but do not already have an ATAR. The scaling population is therefore a subset of the entire population. The means and standard deviations below pertain to the scaling population in 2011.

The following table gives the 2011 scaled means and standard deviations as well as the ATAR subject scores (rounded to the nearest integer) corresponding to the VCAA study scores of 20, 25, 30, 35, 40, 45 and 50. The formal aggregation process uses ATAR subject scores to two decimal places, but the following information gives an indication of how scaling adjusts scores in the various studies.

2011 Study	Mean	St. Dev.	20	25	30	35	40	45	50
Accounting	30.4	7.3	18	24	30	36	41	46	50
Agricultural & Horticultural Studies	25.2	6.9	14	18	23	28	35	42	50
Art	27.4	7.5	16	21	27	32	38	45	50
Biology	30.4	7.3	19	25	30	36	41	46	50
Business Management	26.7	7.2	16	21	26	31	37	43	50
Chemistry	34.1	7.2	22	29	34	40	44	48	50
Classical Societies & Cultures	31.6	7.6	20	26	31	37	42	47	50
Dance	28.3	7.1	18	23	28	33	39	44	50
Design & Technology	24.6	7.0	14	18	23	28	35	42	50
Drama	28.2	7.3	17	22	27	33	39	45	50
Economics	32.1	6.9	22	27	32	37	42	46	50
English	28.3	7.5	17	22	28	34	39	45	50
English (ESL)	28.7	8.1	16	22	28	34	41	46	50
English Language	31.2	7.5	20	25	31	37	42	46	50
Environmental Science	28.4	7.1	17	23	28	34	39	45	50
Food & Technology	23.9	6.9	13	18	22	28	34	41	50
Geography	29.3	7.3	19	24	29	34	40	45	50
Health & Human Development	26.3	7.2	16	20	25	31	37	43	50
<b>History:</b>									
Australian History	27.8	7.8	16	21	27	33	39	45	50
Renaissance Italy	32.2	7.8	19	26	32	38	43	47	50
Revolutions	30.0	7.6	18	24	30	36	41	46	50
Industry & Enterprise Studies	23.1	7.5	10	15	19	25	32	41	50
<b>Information Technology:</b>									
Information Technology – Software Development	28.1	7.0	17	22	27	33	38	44	50
Information Technology – IT Applications	25.7	7.1	15	20	25	30	36	43	50
<b>International Politics:</b>									
International Studies	32.6	7.6	20	27	33	38	43	47	50
National Politics	32.8	7.2	21	27	33	38	43	47	50
Legal Studies	28.4	7.6	17	22	28	34	40	45	50
Literature	31.1	7.2	20	26	31	36	41	46	50
<b>LOTE:</b>									
Albanian	Small Study, see Notes 1 & 2 below								
Arabic	30.5	6.9	20	25	31	36	41	46	50
Armenian	Small Study, see Notes 1 & 2 below								
Auslan	31.1	5.8	20	26	32	37	42	47	50
Bosnian	31.3	4.9	23	27	31	34	38	43	50
Chinese (FL)	34.2	7.5	20	27	33	39	44	48	50
Chinese (SL)	40.6	6.8	30	36	41	46	49	52	54
Chinese (SL Advanced)	38.9	6.7	28	34	39	44	47	50	52
Classical Greek	42.5	7.4	33	40	45	49	52	54	55
Classical Hebrew	Small Study, see Notes 1 & 2 below								
Croatian	34.6	5.9	25	29	34	38	42	46	50
Dutch	Small Study, see Notes 1 & 2 below								
Filipino	31.2	5.9	20	25	30	35	40	45	50
French	40.6	6.6	30	36	41	46	49	52	54
German	39.0	6.8	29	35	40	44	48	51	53
Greek	34.2	6.9	24	30	35	40	44	48	50
Hebrew	41.2	7.3	30	37	43	47	51	54	55
Hindi	34.2	7.1	23	29	34	39	44	47	50
Hungarian	Small Study, see Notes 1 & 2 below								
Indigenous Languages of Victoria	No enrolments in 2011								
Indonesian (FL)	35.5	5.5	24	29	33	37	40	45	50
Indonesian (SL)	36.9	6.5	26	32	37	42	45	48	50
Italian	36.7	6.6	26	32	37	42	46	48	50
Japanese (FL)	31.0	8.5	16	22	29	36	42	47	50
Japanese (SL)	38.5	6.4	28	34	39	43	47	50	51
Khmer	32.1	7.6	22	28	34	39	44	48	50
Korean (FL)	36.3	7.7	19	26	34	41	46	50	52
Korean (SL)	38.1	6.4	24	31	38	43	47	50	51
Latin	45.0	7.0	33	41	46	50	53	54	55
Macedonian	30.2	6.4	20	25	30	35	40	45	50
Maltese	Small Study, see Notes 1 & 2 below								

2011 Study	Mean	St. Dev.	20	25	30	35	40	45	50	
Persian	29.1	6.1	21	25	29	34	38	43	50	
Polish	34.1	7.6	21	28	35	41	45	48	50	
Portuguese	32.9	5.5	21	26	31	36	41	45	50	
Punjabi	31.1	7.2	20	26	31	36	41	46	50	
Romanian	Small Study, see Notes 1 & 2 below									
Russian	36.0	5.4	28	33	37	41	44	47	50	
Serbian	32.1	6.3	20	26	31	37	42	46	50	
Sinhala	36.3	7.5	21	29	36	42	47	50	51	
Spanish	33.1	6.7	22	28	33	37	42	46	50	
Swedish	Small Study, see Notes 1 & 2 below									
Tamil	Small Study, see Notes 1 & 2 below									
Turkish	30.0	6.7	19	24	29	34	39	45	50	
Ukrainian	Small Study, see Notes 1 & 2 below									
Vietnamese	34.3	7.0	22	28	34	39	44	48	50	
Yiddish	Small Study, see Notes 1 & 2 below									
<b>Mathematics:</b>										
Further Mathematics	28.0	7.0	18	23	28	33	38	44	50	
Mathematical Methods (CAS)	34.9	7.1	24	30	35	40	44	48	50	
Specialist Mathematics	41.2	7.4	29	36	42	47	51	53	55	
Media	26.3	7.3	15	20	25	31	37	43	50	
<b>Music:</b>										
Music Performance	29.6	7.2	19	24	29	34	40	45	50	
Music Investigation	30.0	7.3	18	23	29	34	40	45	50	
Music Styles	31.6	7.1	21	27	32	38	43	47	50	
Outdoor & Environmental Studies	24.8	6.7	15	19	24	29	35	41	50	
Philosophy	30.5	7.7	18	24	30	36	41	46	50	
Physical Education	27.5	7.1	17	22	27	32	38	44	50	
Physics	32.3	7.3	21	27	32	38	43	47	50	
Psychology	28.5	7.2	17	22	28	33	39	45	50	
Religion & Society	30.8	7.0	20	25	31	36	41	46	50	
Sociology	26.1	7.4	15	20	25	31	38	44	50	
Studio Arts	26.1	7.2	15	20	25	31	37	43	50	
Systems Engineering	24.4	6.6	15	19	23	28	34	41	50	
Texts & Traditions	30.6	7.1	21	26	31	36	41	45	50	
Theatre Studies	29.3	7.3	18	24	29	35	40	45	50	
Visual Communication & Design	26.7	7.1	16	21	26	31	37	43	50	
<b>VCE VET:</b>										
VCE VET Business	25.0	6.7	15	19	23	29	34	41	50	
VCE VET Community Services	23.5	6.4	14	17	22	27	32	40	50	
VCE VET Dance	27.0	6.0	19	23	26	30	37	43	50	
VCE VET Electrotechnology	25.6	5.8	17	20	24	28	35	42	50	
VCE VET Engineering Studies – Cert II	24.5	6.4	15	18	22	26	34	42	50	
VCE VET Engineering Studies – Cert III	No enrolments in 2011									
VCE VET Equine Industry	27.0	6.5	17	22	26	32	37	43	50	
VCE VET Financial Services	Small Study, see Note 1 below									
VCE VET Furnishing	24.2	6.0	14	18	22	27	33	40	50	
VCE VET Hospitality	25.5	6.7	15	20	25	30	36	43	50	
VCE VET Hospitality – Kitchen Operations	25.0	6.9	15	19	24	29	35	41	50	
VCE VET Information Technology	24.9	6.3	15	19	23	28	33	40	50	
VCE VET Interactive Digital Media	26.4	6.8	16	21	25	30	36	42	50	
VCE VET Laboratory Skills	Small Study, see Note 1 below									
VCE VET Music	26.1	6.1	17	21	26	30	36	42	50	
VCE VET Music Technical Production	26.2	6.8	16	20	25	30	35	42	50	
VCE VET Sport & Recreation	24.5	6.9	15	19	23	29	34	41	50	

**NOTES:**

1. A number of studies were not scaled by the automatic procedure, since their eligible scaling population was less than or equal to eleven. These studies are noted. The means and standard deviations are not given in these cases, since they are not as useful.
2. For the small LOTEs, the LOTE adjustment is the maximum of zero and the average LOTE adjustment over the previous three years. The following table gives the ATAR Subject Scores for small LOTEs in 2011.

Small LOTE Study Score	1	2	3	4	5	6	7	8	9	10
2011 ATAR Subject Score	1	2	3.09	4.26	5.46	6.69	7.93	9.18	10.44	11.71
Small LOTE Study Score	11	12	13	14	15	16	17	18	19	20
2011 ATAR Subject Score	12.99	14.26	15.53	16.8	18.06	19.32	20.56	21.8	23.03	24.24
Small LOTE Study Score	21	22	23	24	25	26	27	28	29	30
2011 ATAR Subject Score	25.44	26.62	27.79	28.94	30.07	31.18	32.27	33.34	34.39	35.42
Small LOTE Study Score	31	32	33	34	35	36	37	38	39	40
2011 ATAR Subject Score	36.42	37.41	38.37	39.31	40.23	41.12	42	42.85	43.69	44.5
Small LOTE Study Score	41	42	43	44	45	46	47	48	49	50
2011 ATAR Subject Score	45.29	46.05	46.8	47.52	48.2	48.86	49.49	50.07	50.58	50.89

## H2: 2011 Scaled Aggregate Table

Based on the 2011 scaling and aggregation process, the following table gives an indication of the minimum scaled aggregate required to achieve at least a particular ATAR. The table can be used to roughly check an ATAR calculation.

<u>ATAR</u>	<u>Min Scaled Aggregate for ATAR</u>
40.00	88.7
45.00	95.0
50.00	101.4
55.00	107.2
60.00	113.5
62.00	116.0
64.00	118.7
65.00	120.1
66.00	121.3
68.00	123.9
70.00	126.6
72.00	129.2
74.00	131.9
75.00	133.4
76.00	134.9
78.00	137.9
80.00	141.1
82.00	144.3
84.00	147.7
85.00	149.5
86.00	151.4
88.00	155.1
90.00	159.2
91.00	161.5
92.00	164.0
93.00	166.5
94.00	169.3
95.00	172.3
96.00	176.1
97.00	180.4
97.50	182.9
98.00	185.4
98.50	188.7
99.00	193.0
99.25	195.6
99.50	198.6
99.60	200.0
99.70	201.9
99.80	204.5
99.90	207.7

## Information on the 2011 Scaling and Aggregation Process

In the 2011 scaling and aggregation process (correct as of 15 December 2011):

- 47285 students received a scaled aggregate and an ATAR, with
  - ❖ 24084 (50.93%) having six results contribute to their ATAR
  - ❖ 19986 (42.27%) having five results contribute to their ATAR
  - ❖ 3217 (6.08%) having four results contribute to their ATAR
- 606 ATAR subject scores above 50 were used in aggregation, with
  - ❖ 501 being for results in 2011 studies
  - ❖ 95 being for results in 2010 studies
  - ❖ 10 being for results in 2009 studies or earlier
- 553 students (1.17% of those receiving an ATAR) used at least one ATAR subject score above 50 in their aggregate.
- 49 students (8.86% of those having at least one ATAR subject score above 50 and 0.10% of those receiving an ATAR) made use of more than one ATAR subject score above 50 in their aggregate.
- 227 students (0.48% of those receiving an ATAR) had a High Extension Study result available for their aggregate
- 185 students (0.39% of those receiving an ATAR) had a Medium Extension Study result available for their aggregate
- 111 students (0.23% of those receiving an ATAR) had a Low Extension Study result available for their aggregate
- 2284 students (4.83% of those receiving an ATAR) had one VET increment – 10% of the average of the primary four aggregate – available for use in their aggregate
- 682 students (1.44% of those receiving an ATAR) had two VET increments – each being 10% of the average of the primary four aggregate – available for use in their aggregate.

To be more precise about ATAR subject scores above 50:

- ❖ in 504 cases only one ATAR subject score above 50 was available for aggregation, with
  - ◆ 419 instances of ATAR subject scores above 50 from 2011 studies
  - ◆ 77 instances of ATAR subject scores above 50 from 2010 studies
  - ◆ 8 instances of ATAR subject scores above 50 from 2009 studies or earlier
- ❖ in 45 cases two ATAR subject scores above 50 were available for aggregation, with
  - ◆ 28 combinations of two ATAR subject scores above 50 from 2011 studies
  - ◆ 17 combinations of one ATAR subject score above 50 from a 2011 study and one ATAR subject score above 50 from an earlier study
- ❖ in 4 cases three ATAR subject scores above 50 were available for aggregation, with
  - ◆ 2 combinations of three ATAR subject scores above 50 from 2011 studies
  - ◆ 2 combination of two ATAR subject scores above 50 from 2011 studies and one ATAR subject score above 50 from an earlier study

## Analysis of ATAR Subject Scores above 50

In detail, the 553 students making use of the 606 ATAR subject scores above 50 in their 2011 ATAR did so in the following combinations:

### Single Study:

<p>306 in Specialist Mathematics 305 achieved in 2011 1 achieved in 2010</p> <p>72 in French 54 achieved in 2011 18 achieved in 2010</p> <p>34 in Latin 26 in achieved in 2011 8 achieved in 2010</p> <p>33 in Chinese (SL) 11 achieved in 2011 18 achieved in 2010 4 achieved earlier</p> <p>15 in German 11 achieved in 2011 4 achieved in 2010</p> <p>13 in Japanese (SL) 8 achieved in 2011 5 achieved in 2010</p>	<p>13 in Chinese (SL) Advanced 1 achieved in 2011 10 achieved in 2010 1 achieved earlier</p> <p>5 in Chinese (FL) 5 achieved in 2010</p> <p>5 in Hebrew 1 achieved in 2011 4 achieved in 2010</p> <p>2 in Classical Greek achieved in 2011</p> <p>2 in Korean (SL) 1 achieved in 2010 1 achieved in 2009</p> <p>2 in Sinhala achieved in 2010</p> <p>1 in Indonesian (SL) achieved in 2010</p> <p>1 in Literature achieved in 1992</p>
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### Two Studies:

<p>11 in Specialist Mathematics and French with both in 2011</p> <p>11 in Specialist Mathematics and Latin 9 with both in 2011 and 2 with Specialist Mathematics in 2011 and Latin in 2010</p> <p>9 in Specialist Mathematics and Chinese (SL) 1 with both in 2011 and 8 with Specials Mathematics in 2011 and Chinese (SL) in 2010</p> <p>3 in Specialist Mathematics and Chinese (SL) Advanced 1 with both in 2011 and 2 with Specialist Mathematics in 2011 and Chinese (SL) Advanced in 2010</p>	<p>2 in Specialist Mathematics and Japanese (SL) both in 2011</p> <p>4 in French and Latin 3 with both in 2011 and 1 with French in 2011 and Latin in 2010</p> <p>1 in French and Chinese (SL) with both achieved in 2011</p> <p>1 in French and German with both achieved in 2011</p> <p>1 in Latin and Classical Greek with Latin in 2010 and Classical Greek in 2011</p> <p>1 in Chinese (SL) and Japanese (SL) with both achieved in 2011</p> <p>1 in English and Legal Studies with both in 1993</p>
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### Three Studies:

<p>3 in Latin, Specialist Mathematics and French 2 with all in 2011 1 with Latin and Specialist Mathematics in 2011 and French in 2010</p>	<p>1 in Latin, Specialist Mathematics and Chinese (SL) with Latin and Specialist Mathematics in 2011 and Chinese (SL) in 2010</p>
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### H 3: Individual Study Contribution to Highest ATAR Subject Score & the Primary Four

The following table gives the number of students (qualifying for a 2011 ATAR as of 15 December 2011) completing each study in 2011, together with the number and percentage of times a score in the study was 'best' and/or used in the 'primary 4' when calculating the 2011 ATAR (or ATAR aggregate).

2011 Study	Number of students achieving a 2011 ATAR Subject Score and 2011 ATAR	Number of times score is Highest Contributor to 2011 ATAR			Number of times score is a P4 Contributor to 2011 ATAR		
		Score achieved in 2011	Score achieved before 2011	% of 2011 achievers where the 2011 ATAR Subject score was highest	Score achieved in 2011	Score achieved before 2011	% of 2011 achievers where the 2011 ATAR Subject score was in the P4
Accounting	4729	692	104	14.63	2925	409	61.85
Agricultural & Horticultural Studies	145	23	15	15.86	107	38	73.79
Art	2014	367	24	18.22	1479	98	73.44
Biology	8425	1290	331	15.31	5709	1405	67.76
Business Management	9328	1626	378	17.43	6868	1268	73.63
Chemistry	8610	610	15	7.08	4387	73	50.95
Classical Societies and Cultures	395	75	6	18.99	305	32	77.22
Dance	281	61	54	21.71	204	135	72.60
Design & Technology	2518	518	51	20.57	1860	170	73.87
Drama	1074	223	33	20.76	776	152	72.25
Economics	2016	291	16	14.43	1336	71	66.27
English	39034	7393	104	18.94	38799	513	99.40
English (ESL)	3336	531	15	15.92	3335	27	99.97
English Language	2559	387	10	15.12	2505	57	97.89
Environmental Science	434	87	7	20.05	314	56	72.35
Food & Technology	2990	598	55	20.00	2217	156	74.15
Geography	1594	310	88	19.45	1141	358	71.58
Health & Human Development	9933	1570	327	15.81	7244	1268	72.93
History: Australian	871	156	26	17.91	673	131	77.27
History: Renaissance Italy	215	25	1	11.63	161	17	74.88
History: Revolutions	4330	651	100	15.03	3163	523	73.05
Industry & Enterprise Studies	137	23	4	16.79	111	20	81.02
Information Technology - IT Applications	2114	422	117	19.96	1527	412	72.23
Information Technology - Software Development	906	141	34	15.56	615	152	67.88
International Politics: International Studies	1312	185	12	14.10	957	108	72.94
International Politics: National Politics	333	49	1	14.71	235	17	70.57
Legal Studies	6818	1127	143	16.53	4999	643	73.32
Literature	5116	675	51	13.19	4378	277	85.57
LOTE: Albanian	3	3	0	100.00	3	0	100.00
LOTE: Arabic	73	44	11	60.27	61	27	83.56
LOTE: Armenian	1	1	2	100.00	1	3	100.00
LOTE: Auslan	23	9	10	39.13	18	10	78.26
LOTE: Bosnian	15	8	0	53.33	15	1	100.00
LOTE: Chinese FL	780	354	290	45.38	715	587	91.67
LOTE: Chinese SL	410	166	265	40.49	289	409	70.49
LOTE: Chinese SL Advanced	108	58	93	53.70	89	150	82.41
LOTE: Classical Greek	21	12	1	57.14	17	3	80.95
LOTE: Croatian	13	7	7	53.85	10	15	76.92
LOTE: Dutch	2	1	4	50.00	1	4	50.00
LOTE: Filipino	28	18	6	64.29	26	10	92.86
LOTE: French	1627	827	98	50.83	1485	134	91.27
LOTE: German	621	321	36	51.69	552	53	88.89
LOTE: Greek	98	56	50	57.14	88	110	89.80
LOTE: Hebrew	15	5	27	33.33	10	42	66.67
LOTE: Hindi	20	12	10	60.00	14	12	70.00
LOTE: Hungarian	4	4	2	100.00	4	6	100.00
LOTE: Indonesian FL	6	2	7	33.33	4	11	66.67
LOTE: Indonesian SL	552	309	49	55.98	515	64	93.30
LOTE: Italian	760	411	15	54.08	679	31	89.34
LOTE: Japanese FL	4	2	11	50.00	4	18	100.00
LOTE: Japanese SL	1025	459	71	44.78	888	98	86.63

2011 Study	Number of students achieving a 2011 ATAR Subject Score and 2011 ATAR	Number of times score is Highest Contributor to 2011 ATAR			Number of times score is a P4 Contributor to 2011 ATAR		
		Score achieved in 2011	Score achieved before 2011	% of 2011 achievers where the 2011 ATAR Subject score was highest	Score achieved in 2011	Score achieved before 2011	% of 2011 achievers where the 2011 ATAR Subject score was in the P4
LOTE: Khmer	7	6	0	85.71	6	6	85.71
LOTE: Korean FL	12	7	11	58.33	12	24	100.00
LOTE: Korean SL	12	4	23	33.33	9	46	75.00
LOTE: Latin	156	94	16	60.26	142	32	91.03
LOTE: Macedonian	40	26	5	65.00	35	8	87.50
LOTE: Maltese	1	1	0	100.00	1	0	100.00
LOTE: Persian	38	20	8	52.63	34	19	89.47
LOTE: Polish	11	6	26	54.55	9	34	81.82
LOTE: Portuguese	6	4	2	66.67	6	4	100.00
LOTE: Punjabi	15	10	10	66.67	13	12	86.67
LOTE: Romanian	6	4	2	66.67	6	2	100.00
LOTE: Russian	7	5	7	71.43	7	14	100.00
LOTE: Serbian	11	9	8	81.82	10	13	90.91
LOTE: Sinhala	11	5	17	45.45	9	22	81.82
LOTE: Spanish	55	24	23	43.64	45	31	81.82
LOTE: Swedish	6	2	3	33.33	6	5	100.00
LOTE: Tamil	2	1	5	50.00	2	6	100.00
LOTE: Turkish	90	56	44	62.22	79	77	87.78
LOTE: Ukrainian	2	0	3	0.00	1	4	50.00
LOTE: Vietnamese	210	113	151	53.81	174	223	82.86
LOTE: Yiddish	3	1	0	33.33	1	0	33.33
Maths: Further Mathematics	25876	5067	426	19.58	16759	1118	64.77
Maths: Mathematical Methods (CAS)	13992	2381	176	17.02	9951	892	71.12
Maths: Specialist Mathematics	3941	2077	3	52.70	3587	12	91.02
Media	3914	749	44	19.14	2931	166	74.89
Music Investigation	193	42	0	21.76	111	0	57.51
Music Performance	1449	326	0	22.50	913	0	63.01
Music Styles	139	18	1	12.95	81	14	58.27
Outdoor & Environmental Studies	1611	311	103	19.30	1186	352	73.62
Philosophy	757	117	10	15.46	559	50	73.84
Physical Education	7671	1205	240	15.71	5471	891	71.32
Physics	6544	473	9	7.23	3546	85	54.19
Psychology	11989	1604	302	13.38	8878	1633	74.05
Religion & Society	764	194	120	25.39	559	513	73.17
Sociology	518	99	10	19.11	401	61	77.41
Studio Arts	4842	1038	93	21.44	3476	306	71.79
Systems Engineering	587	102	8	17.38	418	33	71.21
Texts and Traditions	352	59	23	16.76	233	106	66.19
Theatre Studies	812	162	29	19.95	610	122	75.12
Visual Communication & Design	5077	1037	99	20.43	3625	284	71.40
VET Business	237	57	57	24.05	172	130	72.57
VET Community Services	245	60	19	24.49	184	52	75.10
VET Dance	83	27	12	32.53	58	33	69.88
VET Electrotechnology	79	13	5	16.46	57	18	72.15
VET Engineering Studies - Cert II	129	36	18	27.91	94	45	72.87
VET Equine Industry	43	10	24	23.26	31	58	72.09
VET Financial Services	8	2	0	25.00	7	1	87.50
VET Furnishing	92	26	4	28.26	63	13	68.48
VET Hospitality	323	83	38	25.70	229	82	70.90
VET Hospitality (Kitchen Operations)	275	70	43	25.45	192	86	69.82
VET Information Technology	220	64	20	29.09	167	66	75.91
VET Interactive Digital Media	617	154	47	24.96	411	154	66.61
VET Laboratory Skills	8	6	3	75.00	8	11	100.00
VET Music	123	42	11	34.15	83	38	67.48
VET Music Technical Production	235	59	32	25.11	159	74	67.66
VET Sport & Rec	625	149	93	23.84	435	288	69.60

#### H 4: Individual Study Contribution to Highest ATAR Subject Score & the Primary Four For the top 10% of Students in Each Study

The following table gives the number of students in the top 10% for each study in 2011 and achieving an ATAR, together with the number and percentage of times the score in the study was 'best' and/or used in the 'primary four' when calculating the 2011 ATAR aggregate (correct as of 15 December 2011).

2011 Study	Number of students achieving a 2011 ATAR Subject Score in the top 10% (i.e. > 38) and also a 2011 ATAR	No of times the ATAR Subject Score was highest	Percentage where the ATAR Subject Score was highest	Number of times the ATAR Subject Score was in the Primary 4	Percentage where the ATAR Subject Score was in the Primary 4
Accounting	814	211	25.92	624	76.66
Agricultural & Horticultural Studies	10	7	70.00	10	100.00
Art	197	84	42.64	179	90.86
Biology	1619	385	23.78	1157	71.46
Business Management	822	395	48.05	738	89.78
Chemistry	2753	300	10.90	1764	64.08
Classical Societies and Cultures	91	16	17.58	72	79.12
Dance	48	22	45.83	46	95.83
Design & Technology	120	81	67.50	117	97.50
Drama	121	62	51.24	114	94.21
Economics	399	89	22.31	307	76.94
English	4551	1485	32.63	4523	99.38
English (ESL)	494	149	30.16	494	100.00
English Language	480	122	25.42	474	98.75
Environmental Science	53	25	47.17	43	81.13
Food & Technology	128	84	65.63	126	98.44
Geography	271	115	42.44	231	85.24
Health & Human Development	804	397	49.38	748	93.03
History: Australian	125	40	32.00	113	90.40
History: Renaissance Italy	66	13	19.70	53	80.30
History: Revolutions	790	204	25.82	679	85.95
Industry & Enterprise Studies	7	5	71.43	6	85.71
Information Technology - IT Applications	134	69	51.49	117	87.31
Information Technology - Software Development	98	40	40.82	80	81.63
International Politics: International Studies	403	87	21.59	333	82.63
International Politics: National Politics	95	23	24.21	81	85.26
Legal Studies	901	311	34.52	775	86.02
Literature	993	230	23.16	922	92.85
LOTE: Albanian	1	1	100.00	1	100.00
LOTE: Arabic	18	15	83.33	18	100.00
LOTE: Armenian	1	0	0.00	1	100.00
LOTE: Auslan	4	3	75.00	4	100.00
LOTE: Bosnian	2	2	100.00	2	100.00
LOTE: Chinese FL	578	337	58.30	548	94.81
LOTE: Chinese SL	615	363	59.02	546	88.78
LOTE: Chinese SL Advanced	178	112	62.92	161	90.45
LOTE: Classical Greek	17	10	58.82	13	76.47
LOTE: Croatian	5	4	80.00	5	100.00
LOTE: Dutch	2	2	100.00	2	100.00
LOTE: Filipino	5	5	100.00	5	100.00
LOTE: French	1233	751	60.91	1188	96.35
LOTE: German	430	260	60.47	395	91.86
LOTE: Greek	61	37	60.66	55	90.16
LOTE: Hebrew	46	26	56.52	42	91.30
LOTE: Hindi	15	14	93.33	15	100.00
LOTE: Hungarian	6	4	66.67	6	100.00
LOTE: Indonesian FL	10	6	60.00	10	100.00
LOTE: Indonesian SL	295	202	68.47	281	95.25
LOTE: Italian	378	248	65.61	368	97.35
LOTE: Japanese FL	5	4	80.00	5	100.00
LOTE: Japanese SL	672	373	55.51	610	90.77

2011 Study	Number of students achieving a 2011 ATAR Subject Score in the top 10% (i.e. > 38) and also a 2011 ATAR	No of times the ATAR Subject Score was highest	Percentage where the ATAR Subject Score was highest	Number of times the ATAR Subject Score was in the Primary 4	Percentage where the ATAR Subject Score was in the Primary 4
LOTE: Khmer	3	1	33.33	2	66.67
LOTE: Korean FL	23	11	47.83	19	82.61
LOTE: Korean SL	40	19	47.50	35	87.50
LOTE: Latin	173	106	61.27	161	93.06
LOTE: Macedonian	5	5	100.00	5	100.00
LOTE: Maltese	1	1	100.00	1	100.00
LOTE: Persian	5	4	80.00	5	100.00
LOTE: Polish	18	12	66.67	16	88.89
LOTE: Portuguese	3	2	66.67	3	100.00
LOTE: Punjabi	14	10	71.43	13	92.86
LOTE: Romanian	3	3	100.00	3	100.00
LOTE: Russian	9	6	66.67	8	88.89
LOTE: Serbian	5	4	80.00	5	100.00
LOTE: Sinhala	19	14	73.68	19	100.00
LOTE: Spanish	24	20	83.33	23	95.83
LOTE: Swedish	4	3	75.00	4	100.00
LOTE: Tamil	5	4	80.00	4	80.00
LOTE: Turkish	25	20	80.00	25	100.00
LOTE: Ukrainian	2	1	50.00	1	50.00
LOTE: Vietnamese	179	128	71.51	171	95.53
LOTE: Yiddish	0	0	-	0	-
Maths: Further Mathematics	2400	963	40.13	1909	79.54
Maths: Mathematical Methods (CAS)	5577	1128	20.23	4683	83.97
Maths: Specialist Mathematics	2756	1844	66.91	2675	97.06
Media	285	153	53.68	264	92.63
Music Investigation	27	13	48.15	21	77.78
Music Performance	130	56	43.08	109	83.85
Music Styles	31	7	22.58	21	67.74
Outdoor & Environmental Studies	96	75	78.13	94	97.92
Philosophy	153	35	22.88	127	83.01
Physical Education	712	331	46.49	625	87.78
Physics	1466	162	11.05	908	61.94
Psychology	1466	488	33.29	1285	87.65
Religion & Society	251	94	37.45	209	83.27
Sociology	39	18	46.15	38	97.44
Studio Arts	287	163	56.79	268	93.38
Systems Engineering	21	10	47.62	20	95.24
Texts and Traditions	78	28	35.90	65	83.33
Theatre Studies	123	60	48.78	114	92.68
Visual Communication & Design	387	225	58.14	356	91.99
VET Business	17	13	76.47	17	100.00
VET Community Services	9	9	100.00	9	100.00
VET Dance	19	18	94.74	19	100.00
VET Electrotechnology	4	3	75.00	4	100.00
VET Engineering Studies - Cert II	12	11	91.67	11	91.67
VET Equine Industry	7	3	42.86	6	85.71
VET Financial Services	1	0	0.00	1	100.00
VET Furnishing	1	1	100.00	1	100.00
VET Hospitality	19	17	89.47	19	100.00
VET Hospitality (Kitchen Operations)	18	13	72.22	18	100.00
VET Information Technology	15	7	46.67	13	86.67
VET Interactive Digital Media	51	25	49.02	45	88.24
VET Laboratory Skills	3	3	100.00	3	100.00
VET Music	10	9	90.00	10	100.00
VET Music Technical Production	15	11	73.33	15	100.00
VET Sport & Rec	47	32	68.09	43	91.49

## H 5: Individual Study Contribution to Highest ATAR Subject Score &/or the Primary Four For the top 5% of Students in Each Study

The following table gives the number of students in the top 5% for each study in 2011 and achieving an ATAR, together with the number and percentage of times the score in the study was 'best' and/or used in the 'primary four' when calculating the 2011 ATAR aggregate (correct as of 15 December 2011).

2011 Study	Number of students achieving a 2011 ATAR Subject Score in the top 5% (i.e. > 41) and also a 2011 ATAR	No of times the ATAR Subject Score was highest	Percentage where the ATAR Subject Score was highest	Number of times the ATAR Subject Score was in the Primary 4	Percentage where the ATAR Subject Score was in the Primary 4
Accounting	421	134	31.83	334	79.33
Agricultural & Horticultural Studies	4	3	75.00	4	100.00
Art	87	46	52.87	82	94.25
Biology	863	231	26.77	634	73.46
Business Management	382	221	57.85	358	93.72
Chemistry	1579	197	12.48	1078	68.27
Classical Societies and Cultures	60	8	13.33	47	78.33
Dance	23	12	52.17	22	95.65
Design & Technology	62	44	70.97	61	98.39
Drama	67	42	62.69	66	98.51
Economics	208	59	28.37	170	81.73
English	2041	790	38.71	2032	99.56
English (ESL)	233	90	38.63	233	100.00
English Language	240	68	28.33	239	99.58
Environmental Science	24	15	62.50	23	95.83
Food & Technology	71	54	76.06	71	100.00
Geography	136	61	44.85	117	86.03
Health & Human Development	332	183	55.12	323	97.29
History: Australian	54	23	42.59	54	100.00
History: Renaissance Italy	36	6	16.67	32	88.89
History: Revolutions	455	143	31.43	406	89.23
Industry & Enterprise Studies	5	4	80.00	5	100.00
Information Technology - IT Applications	75	43	57.33	69	92.00
Information Technology - Software Development	56	26	46.43	47	83.93
International Politics: International Studies	223	65	29.15	195	87.44
International Politics: National Politics	49	14	28.57	42	85.71
Legal Studies	401	175	43.64	361	90.02
Literature	493	128	25.96	470	95.33
LOTE: Albanian	1	1	100.00	1	100.00
LOTE: Arabic	6	5	83.33	6	100.00
LOTE: Armenian	1	0	0.00	1	100.00
LOTE: Auslan	2	2	100.00	2	100.00
LOTE: Bosnian	1	1	100.00	1	100.00
LOTE: Chinese FL	350	226	64.57	335	95.71
LOTE: Chinese SL	495	308	62.22	449	90.71
LOTE: Chinese SL Advanced	129	89	68.99	119	92.25
LOTE: Classical Greek	15	9	60.00	12	80.00
LOTE: Croatian	4	4	100.00	4	100.00
LOTE: Dutch	1	1	100.00	1	100.00
LOTE: Filipino	2	2	100.00	2	100.00
LOTE: French	928	604	65.09	906	97.63
LOTE: German	313	203	64.86	295	94.25
LOTE: Greek	35	20	57.14	32	91.43
LOTE: Hebrew	37	24	64.86	36	97.30
LOTE: Hindi	8	8	100.00	8	100.00
LOTE: Hungarian	4	3	75.00	4	100.00
LOTE: Indonesian FL	7	6	85.71	7	100.00
LOTE: Indonesian SL	169	113	66.86	161	95.27
LOTE: Italian	243	165	67.90	238	97.94
LOTE: Japanese FL	3	3	100.00	3	100.00
LOTE: Japanese SL	473	277	58.56	437	92.39

2011 Study	Number of students achieving a 2011 ATAR Subject Score in the top 5% (i.e. > 41) and also a 2011 ATAR	No of times the ATAR Subject Score was highest	Percentage where the ATAR Subject Score was highest	Number of times the ATAR Subject Score was in the Primary 4	Percentage where the ATAR Subject Score was in the Primary 4
LOTE: Khmer	0	0	-	0	-
LOTE: Korean FL	15	8	53.33	13	86.67
LOTE: Korean SL	29	16	55.17	27	93.10
LOTE: Latin	150	95	63.33	142	94.67
LOTE: Macedonian	2	2	100.00	2	100.00
LOTE: Maltese	1	1	100.00	1	100.00
LOTE: Persian	2	2	100.00	2	100.00
LOTE: Polish	10	7	70.00	9	90.00
LOTE: Portuguese	1	0	0.00	1	100.00
LOTE: Punjabi	10	7	70.00	9	90.00
LOTE: Romanian	2	2	100.00	2	100.00
LOTE: Russian	5	5	100.00	5	100.00
LOTE: Serbian	1	1	100.00	1	100.00
LOTE: Sinhala	12	9	75.00	12	100.00
LOTE: Spanish	14	12	85.71	13	92.86
LOTE: Swedish	1	1	100.00	1	100.00
LOTE: Tamil	2	2	100.00	2	100.00
LOTE: Turkish	12	9	75.00	12	100.00
LOTE: Ukrainian	1	0	0.00	0	0.00
LOTE: Vietnamese	111	79	71.17	107	96.40
LOTE: Yiddish	0	0	-	0	-
Maths: Further Mathematics	1017	513	50.44	856	84.17
Maths: Mathematical Methods (CAS)	3365	609	18.10	2868	85.23
Maths: Specialist Mathematics	2329	1646	70.67	2280	97.90
Media	119	81	68.07	118	99.16
Music Investigation	15	11	73.33	12	80.00
Music Performance	50	30	60.00	43	86.00
Music Styles	16	1	6.25	10	62.50
Outdoor & Environmental Studies	44	40	90.91	44	100.00
Philosophy	76	20	26.32	66	86.84
Physical Education	381	224	58.79	357	93.70
Physics	764	93	12.17	494	64.66
Psychology	762	327	42.91	708	92.91
Religion & Society	121	56	46.28	106	87.60
Sociology	19	11	57.89	18	94.74
Studio Arts	151	92	60.93	146	96.69
Systems Engineering	10	6	60.00	10	100.00
Texts and Traditions	47	20	42.55	42	89.36
Theatre Studies	65	39	60.00	62	95.38
Visual Communication & Design	160	120	75.00	155	96.88
VET Business	8	7	87.50	8	100.00
VET Community Services	5	5	100.00	5	100.00
VET Dance	16	16	100.00	16	100.00
VET Electrotechnology	3	2	66.67	3	100.00
VET Engineering Studies - Cert II	7	6	85.71	6	85.71
VET Equine Industry	2	1	50.00	2	100.00
VET Financial Services	1	0	0.00	1	100.00
VET Furnishing	0	0	-	0	-
VET Hospitality	10	10	100.00	10	100.00
VET Hospitality (Kitchen Operations)	12	10	83.33	12	100.00
VET Information Technology	6	5	83.33	6	100.00
VET Interactive Digital Media	20	12	60.00	18	90.00
VET Laboratory Skills	0	0	-	0	-
VET Music	7	7	100.00	7	100.00
VET Music Technical Production	8	6	75.00	8	100.00
VET Sport & Rec	21	18	85.71	21	100.00

## H 6: LOTE Contribution to the Highest ATAR Subject Score & the Primary Four

The following table gives the number of students completing each study in 2011 and qualifying for an ATAR, the number and percentage of times students doing the study also had a LOTE result, and the number and percentage of times the score in the LOTE was 'best' and/or used in the 'primary four' when calculating the 2011 ATAR aggregate (correct as of 15 December 2011).

2011 Study	Number of students achieving a 2011 ATAR Subject Score and 2011 ATAR	Number of those students with a numeric LOTE result from any year	% of Students	Number of students where LOTE ATAR Subject Score was highest	% of Students	% of students with a LOTE	Number of students where LOTE ATAR Subject Score in the Primary 4	% of students	% of students with a LOTE
Accounting	4729	1332	28.17	730	15.44	54.80	947	20.03	71.10
Agricultural & Horticultural Studies	145	4	2.76	2	1.38	50.00	2	1.38	50.00
Art	2014	287	14.25	154	7.65	53.66	230	11.42	80.14
Biology	8425	1265	15.01	721	8.56	57.00	999	11.86	78.97
Business Management	9328	902	9.67	550	5.90	60.98	713	7.64	79.05
Chemistry	8610	2889	33.55	1385	16.09	47.94	1980	23.00	68.54
Classical Societies and Cultures	395	73	18.48	41	10.38	56.16	57	14.43	78.08
Dance	281	37	13.17	22	7.83	59.46	30	10.68	81.08
Design & Technology	2518	164	6.51	97	3.85	59.15	131	5.20	79.88
Drama	1074	119	11.08	56	5.21	47.06	91	8.47	76.47
Economics	2016	380	18.85	197	9.77	51.84	285	14.14	75.00
English	39034	5742	14.71	3018	7.73	52.56	4303	11.02	74.94
English (ESL)	3336	2414	72.36	1281	38.40	53.07	1697	50.87	70.30
English Language	2559	646	25.24	335	13.09	51.86	480	18.76	74.30
Environmental Science	434	38	8.76	19	4.38	50.00	30	6.91	78.95
Food & Technology	2990	225	7.53	141	4.72	62.67	186	6.22	82.67
Geography	1594	131	8.22	76	4.77	58.02	98	6.15	74.81
Health & Human Development	9933	752	7.57	450	4.53	59.84	625	6.29	83.11
History: Australian	871	84	9.64	37	4.25	44.05	69	7.92	82.14
History: Renaissance Italy	215	55	25.58	30	13.95	54.55	45	20.93	81.82
History: Revolutions	4330	619	14.30	321	7.41	51.86	471	10.88	76.09
Industry & Enterprise Studies	137	6	4.38	3	2.19	50.00	5	3.65	83.33
Information Technology - IT Applications	2114	210	9.93	114	5.39	54.29	157	7.43	74.76
Information Technology - Software Development	906	84	9.27	45	4.97	53.57	54	5.96	64.29
International Politics: International Studies	1312	275	20.96	155	11.81	56.36	214	16.31	77.82
International Politics: National Politics	333	58	17.42	24	7.21	41.38	41	12.31	70.69
Legal Studies	6818	882	12.94	483	7.08	54.76	708	10.38	80.27
Literature	5116	1070	20.91	539	10.54	50.37	840	16.42	78.50
LOTE: Albanian	3	3	100.00	3	100.00	100.00	3	100.00	100.00
LOTE: Arabic	73	73	100.00	45	61.64	61.64	55	75.34	75.34
LOTE: Armenian	1	1	100.00	1	100.00	100.00	1	100.00	100.00
LOTE: Auslan	23	23	100.00	10	43.48	43.48	17	73.91	73.91
LOTE: Bosnian	15	15	100.00	11	73.33	73.33	14	93.33	93.33
LOTE: Chinese FL	780	780	100.00	355	45.51	45.51	527	67.56	67.56
LOTE: Chinese SL	410	410	100.00	189	46.10	46.10	254	61.95	61.95
LOTE: Chinese SL Advanced	108	108	100.00	61	56.48	56.48	81	75.00	75.00
LOTE: Classical Greek	21	21	100.00	15	71.43	71.43	18	85.71	85.71
LOTE: Croatian	13	13	100.00	7	53.85	53.85	9	69.23	69.23
LOTE: Dutch	2	2	100.00	1	50.00	50.00	2	100.00	100.00
LOTE: Filipino	28	28	100.00	18	64.29	64.29	24	85.71	85.71
LOTE: French	1627	1627	100.00	879	54.03	54.03	1324	81.38	81.38
LOTE: German	621	621	100.00	338	54.43	54.43	484	77.94	77.94
LOTE: Greek	98	98	100.00	59	60.20	60.20	82	83.67	83.67
LOTE: Hebrew	15	15	100.00	7	46.67	46.67	8	53.33	53.33
LOTE: Hindi	20	20	100.00	12	60.00	60.00	12	60.00	60.00
LOTE: Hungarian	4	4	100.00	4	100.00	100.00	4	100.00	100.00
LOTE: Indonesian FL	6	6	100.00	2	33.33	33.33	3	50.00	50.00
LOTE: Indonesian SL	552	552	100.00	314	56.88	56.88	455	82.43	82.43
LOTE: Italian	760	760	100.00	426	56.05	56.05	597	78.55	78.55
LOTE: Japanese FL	4	4	100.00	2	50.00	50.00	3	75.00	75.00
LOTE: Japanese SL	1025	1025	100.00	513	50.05	50.05	758	73.95	73.95
LOTE: Khmer	7	7	100.00	6	85.71	85.71	6	85.71	85.71
LOTE: Korean FL	12	12	100.00	9	75.00	75.00	11	91.67	91.67
LOTE: Korean SL	12	12	100.00	7	58.33	58.33	9	75.00	75.00
LOTE: Latin	156	156	100.00	107	68.59	68.59	133	85.26	85.26
LOTE: Macedonian	40	40	100.00	26	65.00	65.00	32	80.00	80.00

2011 Study	Number of students achieving a 2011 ATAR Subject Score and 2011 ATAR	Number of those students with a numeric LOTE result from any year	% of Students	Number of students where LOTE ATAR Subject Score was highest	% of Students	% of students with a LOTE	Number of students where LOTE ATAR Subject Score in the Primary 4	% of students	% of students with a LOTE
LOTE: Maltese	1	1	100.00	1	100.00	100.00	1	100.00	100.00
LOTE: Persian	38	38	100.00	20	52.63	52.63	33	86.84	86.84
LOTE: Polish	11	11	100.00	7	63.64	63.64	8	72.73	72.73
LOTE: Portuguese	6	6	100.00	5	83.33	83.33	6	100.00	100.00
LOTE: Punjabi	15	15	100.00	10	66.67	66.67	12	80.00	80.00
LOTE: Romanian	6	6	100.00	5	83.33	83.33	5	83.33	83.33
LOTE: Russian	7	7	100.00	7	100.00	100.00	7	100.00	100.00
LOTE: Serbian	11	11	100.00	9	81.82	81.82	9	81.82	81.82
LOTE: Sinhala	11	11	100.00	5	45.45	45.45	9	81.82	81.82
LOTE: Spanish	55	55	100.00	27	49.09	49.09	41	74.55	74.55
LOTE: Swedish	6	6	100.00	2	33.33	33.33	4	66.67	66.67
LOTE: Tamil	2	2	100.00	1	50.00	50.00	1	50.00	50.00
LOTE: Turkish	90	90	100.00	56	62.22	62.22	65	72.22	72.22
LOTE: Ukrainian	2	2	100.00	1	50.00	50.00	1	50.00	50.00
LOTE: Vietnamese	210	210	100.00	114	54.29	54.29	146	69.52	69.52
LOTE: Yiddish	3	3	100.00	1	33.33	33.33	1	33.33	33.33
Maths: Further Mathematics	25876	4206	16.25	2398	9.27	57.01	3281	12.68	78.01
Maths: Mathematical Methods (CAS)	13992	5107	36.50	2553	18.25	49.99	3554	25.40	69.59
Maths: Specialist Mathematics	3941	1638	41.56	540	13.70	32.97	815	20.68	49.76
Media	3914	300	7.66	185	4.73	61.67	240	6.13	80.00
Music Investigation	193	22	11.40	13	6.74	59.09	18	9.33	81.82
Music Performance	1449	238	16.43	132	9.11	55.46	189	13.04	79.41
Music Styles	139	26	18.71	13	9.35	50.00	22	15.83	84.62
Outdoor & Environmental Studies	1611	73	4.53	32	1.99	43.84	54	3.35	73.97
Philosophy	757	98	12.95	63	8.32	64.29	84	11.10	85.71
Physical Education	7671	459	5.98	254	3.31	55.34	360	4.69	78.43
Physics	6544	1784	27.26	739	11.29	41.42	1075	16.43	60.26
Psychology	11989	1382	11.53	809	6.75	58.54	1123	9.37	81.26
Religion & Society	764	97	12.70	51	6.68	52.58	74	9.69	76.29
Sociology	518	39	7.53	25	4.83	64.10	33	6.37	84.62
Studio Arts	4842	469	9.69	276	5.70	58.85	382	7.89	81.45
Systems Engineering	587	30	5.11	17	2.90	56.67	21	3.58	70.00
Texts and Traditions	352	65	18.47	34	9.66	52.31	51	14.49	78.46
Theatre Studies	812	98	12.07	47	5.79	47.96	69	8.50	70.41
Visual Communication & Design	5077	686	13.51	419	8.25	61.08	543	10.70	79.15
VET Business	237	28	11.81	16	6.75	57.14	25	10.55	89.29
VET Community Services	245	8	3.27	7	2.86	87.50	8	3.27	100.00
VET Dance	83	9	10.84	6	7.23	66.67	7	8.43	77.78
VET Electrotechnology	79	5	6.33	3	3.80	60.00	3	3.80	60.00
VET Engineering Studies - Cert II	129	2	1.55	1	0.78	50.00	1	0.78	50.00
VET Equine Industry	43	3	6.98	1	2.33	33.33	2	4.65	66.67
VET Financial Services	8	1	12.50	0	0.00	0.00	0	0.00	0.00
VET Furnishing	92	3	3.26	2	2.17	66.67	2	2.17	66.67
VET Hospitality	323	34	10.53	24	7.43	70.59	31	9.60	91.18
VET Hospitality (Kitchen Operations)	275	20	7.27	13	4.73	65.00	15	5.45	75.00
VET Information Technology	220	12	5.45	10	4.55	83.33	12	5.45	100.00
VET Interactive Digital Media	617	41	6.65	23	3.73	56.10	30	4.86	73.17
VET Laboratory Skills	8	1	12.50	0	0.00	0.00	1	12.50	100.00
VET Music	123	15	12.20	7	5.69	46.67	10	8.13	66.67
VET Music Technical Production	235	9	3.83	3	1.28	33.33	6	2.55	66.67
VET Sport & Rec	625	13	2.08	11	1.76	84.62	12	1.92	92.31

## Percentage of Study Populations Achieving Various Minimum ATAR Levels

The following tables give the studies and the percentage of the 2011 study population achieving ATAR Subject Scores in that study and 2011 ATARs (correct as of 15 December 2011) in the respective ranges.

For ATARs of at least 98.00 only those studies whose population proportion exceeded 10% are listed.

For ATARs of at least 95.00 only those studies whose population proportion exceeded 12% are listed.

For ATARs of at least 90.00 only those studies whose population proportion exceeded 20% are listed.

In all three cases, studies with fewer than 21 students achieving an ATAR Subject Score and ATAR have been excluded.

### H 7: Percentage of Study Population Achieving a 2011 ATAR $\geq$ 98

2011 Study	Percentage of Study Population with ATAR $\geq$ 98
LOTE: Latin	51.0
LOTE: Classical Greek	37.5
LOTE: Hebrew	20.3
LOTE: Chinese SL	18.0
Maths: Specialist Mathematics	17.5
LOTE: French	15.0
LOTE: Korean SL	14.3
LOTE: Chinese SL Advanced	11.7
Chemistry	10.1

### H 8: Percentage of Study Population Achieving a 2011 ATAR $\geq$ 95

2011 Study	Percentage of Study Population with ATAR $\geq$ 95
LOTE: Latin	64.4
LOTE: Classical Greek	58.3
LOTE: Hebrew	47.5
LOTE: Korean SL	36.5
Maths: Specialist Mathematics	35.9
LOTE: Chinese SL	34.6
LOTE: French	34.3
LOTE: Chinese SL Advanced	27.4
LOTE: German	23.6
Chemistry	23.5
LOTE: Japanese SL	22.2
LOTE: Sinhala	20.6
History: Renaissance Italy	20.4
LOTE: Korean FL	20.4
Maths: Mathematical Methods (CAS)	19.0
International Politics: National Politics	17.6
International Politics: International Studies	17.2
Maths: Mathematical Methods	16.0
Physics	15.9
English Language	14.9
Classical Societies and Cultures	14.8
LOTE: Hindi	13.9
LOTE: Indonesian SL	13.6
Economics	12.4

### H 9: Percentage of Study Population Achieving a 2011 ATAR $\geq$ 90

2011 Study	Percentage of Study Population with ATAR $\geq$ 90
LOTE: Latin	81.4
LOTE: Hebrew	62.7
LOTE: Classical Greek	58.3
Maths: Specialist Mathematics	55.2
LOTE: French	54.2
LOTE: Chinese SL	54.2
LOTE: Korean SL	50.8
LOTE: Chinese SL Advanced	45.8
LOTE: German	43.2
Chemistry	40.3
LOTE: Japanese SL	39.8
Maths: Mathematical Methods (CAS)	35.0
LOTE: Korean FL	34.7
International Politics: International Studies	31.8
International Politics: National Politics	31.1
Physics	29.9
LOTE: Sinhala	29.4
History: Renaissance Italy	29.0
LOTE: Indonesian SL	26.9
LOTE: Italian	26.7
Economics	25.1
English Language	24.9
Classical Societies and Cultures	24.2
Maths: Mathematical Methods	24.0
Music Styles	23.1
Literature	22.7
English (ESL)	22.5
LOTE: Vietnamese	22.1
LOTE: Russian	21.9
LOTE: Chinese FL	21.8
Philosophy	20.6
LOTE: Punjabi	20.6
Accounting	20.5

Note: Students should not deduce from these tables to do one of the studies listed.

## Maximum ATAR Subject Score by Study at Various ATAR levels

The following tables give the studies and the percentage of students' maximum ATAR Subject Scores achieved in those studies, for students with 2011 ATARs in the top 10%, 5% and 2% (correct as of 15 December 2011). Only those studies where the percentage exceeded 2% are listed and percentages are of cases where the maximum ATAR Subject Score was achieved in any year.

Each student has at most one maximum ATAR Subject Score unless a tie on 50.00 occurs.

### H 10: Percentage of Maximum ATAR Subject Score per Study for a 2011 ATAR $\geq$ 98

2011 Study	Percentage Achieved in Any Year	Percentage Achieved in 2011
Maths: Specialist Mathematics	35.1	35.0
LOTE: French	8.2	7.2
English	8.0	8.0
LOTE: Latin	3.9	3.1
Maths: Further Mathematics	3.4	2.8
Biology	3.0	1.0
LOTE: Chinese SL	3.0	0.8
Psychology	2.9	1.7
Chemistry	2.3	2.2
Maths: Mathematical Methods (CAS)	2.3	1.8
Others	27.9	

### H 11: Percentage of Maximum ATAR Subject Score per Study for a 2011 ATAR $\geq$ 95

2011 Study	Percentage Achieved in Any Year	Percentage Achieved in 2011
Maths: Specialist Mathematics	26.6	26.5
English	9.2	9.2
LOTE: French	7.9	6.9
Maths: Further Mathematics	5.0	3.9
Maths: Mathematical Methods (CAS)	4.2	3.3
Psychology	3.5	2.3
Biology	3.0	1.4
LOTE: Chinese SL	2.7	0.7
Chemistry	2.5	2.4
Physical Education	2.3	1.2
Others	33.2	

### H 12: Percentage of Maximum ATAR Subject Score per Study for a 2011 ATAR $\geq$ 90

2011 Study	Percentage Achieved in Any Year	Percentage Achieved in 2011
Maths: Specialist Mathematics	19.3	19.2
English	9.4	9.4
LOTE: French	6.7	5.9
Maths: Mathematical Methods (CAS)	6.6	5.5
Maths: Further Mathematics	6.6	5.5
Psychology	5.5	4.4
Biology	3.9	2.8
Chemistry	3.1	1.7
LOTE: Chinese SL	2.7	2.7
Physical Education	2.6	0.8
Business Management	2.5	1.4
Legal Studies	2.5	1.5
Health & Human Development	2.3	1.8
LOTE: Japanese SL	2.2	1.5
Others	24.2	

## ATAR Distributions

### H 13: Gender Breakdown in Various 2011 ATAR Ranges.

The following table gives the breakdown between males and females, in various ATAR ranges, of Victorian ATARs achieved in 2011 (correct as of 15 December 2011).

ATAR Range	Gender	Count	Average ATAR	Standard Deviation of ATAR
All	Female	25,516	66.33	21.31
	Male	21,769	64.69	22.09
90-99.95	Female	3,912	94.86	2.84
	Male	3,283	95.12	2.91
80-89.95	Female	4,143	84.90	2.89
	Male	3,142	84.94	2.86
70-79.95	Female	4,116	75.05	2.90
	Male	3,165	75.05	2.87
60-69.95	Female	3,841	65.12	2.89
	Male	3,288	64.97	2.87
50-59.95	Female	3,399	54.99	2.88
	Male	3,018	55.17	2.90
40-49.95	Female	2,839	45.19	2.87
	Male	2,641	45.15	2.88
30-39.95	Female	1,895	35.80	2.66
	Male	1,774	35.72	2.67
20-29.95	Female	772	25.26	2.87
	Male	806	25.30	2.90
<20	Female	599	13.54	4.59
	Male	652	12.98	4.84

### H 14. The distribution of 2011 ATARs for VCE students born on or after 1/1/1995

The distribution of 2011 ATARs (correct as of 15 December 2011) for VCE students born on or after 1/1/1995 is as follows:

ATAR Range	Count	Percentage	Cumulative Count	Cumulative Percentage
95 - 99.95	23	29.1	23	29.1
90 - 94.95	11	13.9	34	43.0
85 - 89.95	10	12.7	44	55.7
80 - 84.95	6	7.6	50	63.3
75 - 79.95	5	6.3	55	69.6
70 - 74.95	6	7.6	61	77.2
65 - 69.95	3	3.8	64	81.0
60 - 64.95	2	2.5	66	83.5
55 - 59.95	0	0.0	66	83.5
50 - 54.95	3	3.8	69	87.3
45 - 49.95	1	1.3	70	88.6
40 - 44.95	5	6.3	75	94.9
35 - 39.95	1	1.3	76	96.2
30 - 34.95	2	2.5	78	98.7
25 - 29.95	0	0.0	78	98.7
20 - 24.95	0	0.0	78	98.7
15 - 19.95	1	1.3	79	100.0
10 - 14.95	0	0.0	79	100.0
5 - 9.95	0	0.0	79	100.0
0 - 4.95	0	0.0	79	100.0
All	79	100.0		

### H 15. The distribution of 2011 ATARs by Region

The distribution of 2011 ATARs (correct as of 15 December 2011), in various ATAR Bands, by Region is as follows. Region defined in terms of home postcode as detailed in earlier tables.

Region	ATAR Band																	Total	
	95 - 99.95	90 - 94.95	85 - 89.95	80 - 84.95	75 - 79.95	70 - 74.95	65 - 69.95	60 - 64.95	55 - 59.95	50 - 54.95	45 - 49.95	40 - 44.95	35 - 39.95	30 - 34.95	25 - 29.95	20 - 24.95	10-19.95		0-9.95
Barwon	107	128	156	175	177	176	183	189	166	175	138	131	121	67	49	37	54	10	2239
Central Highlands	53	63	77	118	102	75	92	97	83	103	86	81	77	49	39	29	30	11	1265
East Gippsland	17	31	36	41	51	42	48	58	52	48	40	48	35	12	6	8	7	5	585
Gippsland	51	53	71	76	86	106	89	112	111	120	107	90	69	46	23	20	32	6	1268
Goulburn	36	63	66	71	96	104	125	110	139	117	129	125	114	67	37	34	53	17	1503
Loddon	51	85	98	109	123	115	132	120	119	114	106	103	79	47	25	7	20	4	1457
Mallee	16	33	37	41	36	47	56	59	61	51	56	43	48	32	27	16	25	8	692
Ovens-Murray	22	29	40	48	64	64	64	54	61	60	59	47	55	42	19	15	19	10	772
Western District	19	38	54	54	78	75	66	75	79	73	72	59	46	32	8	17	17	4	866
Wimmera	4	18	22	27	31	38	24	39	24	30	20	37	25	9	5	11	6	3	373
Melbourne: City	64	60	52	44	46	34	29	33	34	20	19	21	27	13	5	3	5	2	511
Melbourne: NE Suburbs	1091	856	729	636	560	508	465	412	329	278	230	196	157	94	53	38	36	17	6685
Melbourne: SE Suburbs	701	556	541	512	465	431	409	397	385	292	274	259	212	140	71	68	106	34	5853
Melbourne: Outskirts	251	334	397	459	485	512	571	521	522	546	540	467	393	236	149	141	147	52	6723
Melbourne: N Suburbs	457	502	539	541	577	546	564	555	498	482	490	351	367	251	160	133	172	56	7241
Melbourne: S Suburbs	312	332	293	295	295	266	255	242	230	201	198	166	115	73	43	28	47	15	3406
Melbourne: W Suburbs	258	281	278	333	321	345	356	340	311	334	289	296	292	145	129	88	142	58	4596
<b>Victoria - TOTAL</b>	<b>3510</b>	<b>3462</b>	<b>3486</b>	<b>3580</b>	<b>3593</b>	<b>3484</b>	<b>3528</b>	<b>3413</b>	<b>3204</b>	<b>3044</b>	<b>2853</b>	<b>2520</b>	<b>2232</b>	<b>1355</b>	<b>848</b>	<b>693</b>	<b>918</b>	<b>312</b>	<b>46035</b>
ACT	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	3
NSW	8	16	12	14	17	19	18	15	17	18	17	14	7	3	5	4	5	0	209
NT	0	0	2	0	0	1	2	0	1	1	1	1	1	1	0	0	1	0	12
Qld	0	0	0	2	1	0	0	0	0	0	0	0	2	1	0	0	0	1	7
SA	0	1	1	2	1	1	0	3	0	1	0	2	0	0	1	0	0	0	13
Tas	1	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	3
WA	0	0	2	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	4
<b>Interstate - Total</b>	<b>10</b>	<b>18</b>	<b>18</b>	<b>18</b>	<b>21</b>	<b>21</b>	<b>21</b>	<b>18</b>	<b>18</b>	<b>20</b>	<b>19</b>	<b>17</b>	<b>10</b>	<b>5</b>	<b>6</b>	<b>4</b>	<b>6</b>	<b>1</b>	<b>251</b>
Unknown	94	101	91	92	90	72	82	67	69	62	36	35	40	27	17	10	11	3	999
<b>TOTAL</b>	<b>3614</b>	<b>3581</b>	<b>3595</b>	<b>3690</b>	<b>3704</b>	<b>3577</b>	<b>3631</b>	<b>3498</b>	<b>3291</b>	<b>3126</b>	<b>2908</b>	<b>2572</b>	<b>2282</b>	<b>1387</b>	<b>871</b>	<b>707</b>	<b>935</b>	<b>316</b>	<b>47285</b>