

NUTURING SCHOLAR-SPORTSMEN SINCE 1883

HSC Results 2023

Presentation to P&C

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The League Tables in the Media

HSC rankings published in newspapers follow a basic formula:

= (Band 6/E4s earned ÷ Number of papers sat by students) x 100

- To get in Top 10 in the state, a school would need approx. 50% of Band 6s.
- No acknowledgement of cohort size OR difficulty of courses attempted. Our target is 575 Band 6s. This year we only achieved 536. Rank 13.
- We have very large number of boys in harder courses. Hence, it is difficult to get to 50% Band 6s or E4s
 - Mathematics Extension 1 (180 boys)
 - Extension 2 (118 boys)
 - English Advanced (203 boys)
 - Physics (115 boys), Chemistry (104 boys)
- Since 2019 reduced ability to plagiarise and memorise others' responses
- We are working hard on our weaknesses as identified by our RAP analyses and internal data (quantitative and qualitative). Programs are being modified and extended.
- Sentence Conscious Pedagogy program embedded in 2022-2023 for stage 4 (Stage 5 2024-5)
- Wider reading by students in Years 7-10 would help with HSC writing results. NSBHS eg



SBHS ATAR History

- 2023 average ATAR = 91.73: SD of 8.91 . 99+ =37 (LTA =38); 95-99 =67 (LTA =73); 90+ =143 (LTA=153)
- Since 2001 Note: 18.94%; 95 & up 32.37; 90-94 18.84; ≥ 90 (69.42) Since 2001 these averages are 18.94%; 36.44%; 20.51% and 75.97%.
- Since 2001, SBHS Average ATAR has been 92.55 with SD of 8.47.
- Our segmented ATAR History Mean & Standard Deviation & % ≥ 90

Years	ATAR Mean	Standard Deviation	≥ 90%
2001 – 2005	91.29	9.77	72.28
2006 – 2010	92.89	8.00	75.64
2011 – 2015	93.68	7.33	80.16
2016 – 2020	92.79	9.70	77.41
2021 - 2023	91.75	9.01	74.95



HSC Results for Class of 2023

		AIAK	Qty of Students
ATAR Predictor Results		≥ 99	37
 Year 7 enrolments 	91.743	95 – 98.95	67
 Later Years Enrolments 	91.52	90 - 94.95	39
 Overall Result 	91.73	85 – 89	29
Individual Results		80 - 84	11
 1 student achieved ATAR 99. 	95 (max)	75 – 79	14
 143 students (69.42%) achie 	-	70 – 74	3
 Tail 25 students (12.08%)* ad 	chieved ATAR < 80	<70	8

- [*2022 was 12.38%; 2021 was 7.51%; 2020 was 9.39; 2019 was 10.85.
 nb LTA =9.05%]
- Of the lowest 25 ATARs, 19 students were enrolled in Year 7 in 2018 (76%)
 nb [compare 2022 = 60%; 2021= 65%; 2020 = 60%].



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SBHS High Achievers in Courses - Top 10 State Ranking

State Ranks 1-10:

Chemistry Mathematics Extension 1 Software Design Mathematics Advanced Ryan Woo (3rd) & Peter Zhao (7th). Ryan Woo (4th) & Felix Yi (7th) Saxon Dean (6th) Ethan Pham (9th)

State Ranks 11-20:

Landrie (Daming) Zuo

English Advanced (19th)

Well done & congratulations boys!



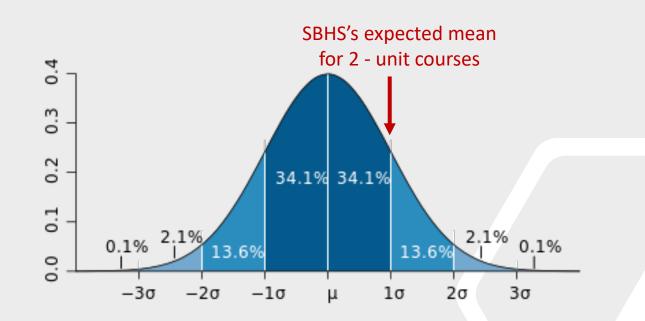
Bands 5 & 6 Comparative Results (2023 v 2022)

- Courses Up 10
- Courses Down 12
- Courses the Same 8
- HSC 2023 vs Long Term Average (2015-2023 for Bands 5 & 6)
- Courses Up 8
- Courses Down 16
- Courses the Same 6



Explanation of Statistics Terms Used

- Standard Deviation (σ) shows how much variation of scores or dispersion from the average (mean) exists in a population. Each band has a width of one standard deviation.
- Mean (μ) is the sum of all the numbers in the set (candidates' scores in an HSC course), divided by the numbers in the set (number of candidates).





Explanation of Statistics Terms Used (Cont'd)

- School standard As 84% of scores fall below one standard deviation above the mean, we expect our school's mean in two-unit courses only, to be at the level of <u>at least one standard deviation</u> above the state mean.
- Due to the scaling effects, as demonstrated later in the presentation, a target HSC mark for a <u>two-unit course is 87</u>, because any lower and the scaled score per unit x by 10 units would not amount to 371 or 90 ATAR.



Explanation of Statistics Terms Used (Cont'd)

- Z score for an HSC course is the school mean minus the state mean divided by the state standard deviation.
 - Assume a normal curve distribution.
 - Let's say the state HSC mean for a course is 74 and its standard deviation is 12.
 - Suppose at SBHS, the course mean is 86.
 - The calculated z-score is (86-74)/12=1.
- There are 15.8% of candidates left after the first standard deviation above the mean.
 - As it happens, ~17.9% of students who apply are awarded an ATAR of 90 or more
 - So, 90 ATAR is the minimum standard expected at High
- NOTE: The distribution of marks for ATAR purposes is curvilinear.



Z-Score Comparison of 2-Unit Courses Highly Successful (Z-Score ≥ 1.0)

Course	No. Students in SBHS	School Mean	Z Score
Music 1	2	97.60	1.556
Design and Technology	6	90.70	1.234
Business Studies	34	89.05	1.233
Software Design	19	88.74	1.162
Ancient History	8	88.40	1.147
chemistry	104	88.83	1.144

 Our expectations are that in 2-unit courses, our course mean should be as close to <u>one standard deviation</u> above the State mean as possible. N=6 for 2023; n=8 for 2022, n=7 2021; n=9, 2020.



Z-Score Comparison of 2-unit Courses (Cont'd) Successful (Z-Score = 0.75 – 0.99)

Course	No. Students in SBHS	School Mean	Z-Score
Biology	48	84.84	0.997
PDHPE	17	83.94	0.995
Physics	115	85.95	0.918
Modern History	23	85.35	0.916
Mathematics Advanced	173	87.77	0.760

Successful courses N=5 for 2023; 2022 n= 6; n=9 2021, 2020 n = 7.

Comparison of Means of Extension Courses Highly Successful (Z-Score ≥ 0.5)

Course	No. Students in SBHS	School Mean	Z Score
Music extension	3	49.07	0.816
English extension 2	2	44.80	0.741
Chinese extension	1	46.9	0.673

 Given the high scores and means of Extension courses in the State, if our mean is half a standard deviation above the state mean, that is a highly successful result.

Means and z scores for successful Extension 2 courses (Z-scores > 0.25 < 0.5)

Course	No. Students in SBHS	School Mean	Z Score
Mathematics Extension 2	118	87.73	0.451
Mathematics Extension 1	180	84.94	0.449

- The following tables describe the course name and below them a statement comparing Y2023 data to that of previous years in that course at High going back as far as 2001 when the new HSC began
- The Z-Score for the course is followed by two scores at the 90th percentile which are the HSC score and the equivalent scaled ATAR score.
- There are similar pairs of scores for the 75th percentile and 50th percentile
- The standard at High for a 2-unit mark, scaled for ATAR is 74.2
- Scores highlighted in red fall below 74.2 equivalent at that percentile.
- The last column shows the number of band 6 / E4s as well as the number of High candidates in that course.



Course	Z-Score	HSC 90 th Percentile	ATAR Scaled 90 th Percentile	HSC 75 th Percentile	ATAR Scaled 75 th Percentile	HSC 50 th Percentile	ATAR Scaled 50 th Percentile	B 6/N
Ancient History	1.147	89	76.6	82	63	74	45.8	3/8

• Highest state candidature since 2020; second highest school mean ATAR value since 2015.

Course	Z-Score	HSC 90 th Percentile	ATAR Scaled 90 th Percentile	HSC 75 th Percentile	ATAR Scaled 75 th Percentile	HSC 50 th Percentile	ATAR Scaled 50 th Percentile	B 6/N
Biology	0.997	89	79.8	82	68.4	74	52.6	16/48

Highest ever candidate numbers in the State; highest school mean ATAR value and z-score since 2016

Course	Z-Score	HSC 90 th Percentile	ATAR Scaled 90 th Percentile	HSC 75 th Percentile	ATAR Scaled 75 th Percentile	HSC 50 th Percentile	ATAR Scaled 50 th Percentile	B 6/N
Business Studies	1.233	90	77.2	84	65	75	47	19/34

Largest ever state candidature; highest school mean ATAR value since 2016 & highest z-score since 2015.



Course	Z-Score	HSC 90 th Percentile	ATAR Scaled 90 th Percentile	HSC 75 th Percentile	ATAR Scaled 75 th Percentile	HSC 50 th Percentile	ATAR Scaled 50 th Percentile	B 6/N
Chemistry	1.14	91	87.4	84	79.4	76	66.6	58/104

Highest school mean ATAR value and z-score since new HSC began; lowest school candidate numbers since 2014.

Course	Z-Score	HSC 90 th Percentile	ATAR Scaled 90 th Percentile	HSC 75 th Percentile	ATAR Scaled 75 th Percentile	HSC 50 th Percentile	ATAR Scaled 50 th Percentile	B 4/6
Design and Technology	1.24	91	74.4	83	61.2	79	44.6	

• Highest mean unit ATAR value & highest school mean ATAR value since new HSC began.

Course	Z-Score	HSC 90 th Percentile	ATAR Scaled 90 th Percentile	HSC 75 th Percentile	ATAR Scaled 75 th Percentile	HSC 50 th Percentile	ATAR Scaled 50 th Percentile	B 6/N
Drama	N/A							



Course	Z-Score	HSC 90 th Percentile	ATAR Scaled 90 th Percentile	HSC 75 th Percentile	ATAR Scaled 75 th Percentile	HSC 50 th Percentile	ATAR Scaled 50 th Percentile	B 6/N
Economics	0.73	90	85	86	77.8	79	65.6	15/54

Highest school mean ATAR value since 2017; lowest HSC state mean since 2010.

Course	Z-Score	HSC 90 th Percentile	ATAR Scaled 90 th Percentile	HSC 75 th Percentile	ATAR Scaled 75 th Percentile	HSC 50 th Percentile	ATAR Scaled 50 th Percentile	B 6/N
Engineering Studies	0.71	89	78.6	81	66.4	74	52.4	4/18

Highest school mean ATAR value since new HSC began; highest ever state candidature for new HSC.

Course	Z-Score	HSC 90 th Percentile	ATAR Scaled 90 th Percentile	HSC 75 th Percentile	ATAR Scaled 75 th Percentile	HSC 50 th Percentile	ATAR Scaled 50 th Percentile	B 6/N
English Advanced	0.36	91	84.8	87	77.4	83	67	32/203

Highest state candidature since 2019.



Course	Z-Score	HSC 90 th Percentile	ATAR Scaled 90 th Percentile	HSC 75 th Percentile	ATAR Scaled 75 th Percentile	HSC 50 th Percentile	ATAR Scaled 50 th Percentile	B 6/N
English Extension 1	-0.46	94	87.4	92	81.6	88	74.6	5/29

Highest state candidature number since 2018; highest ever state HSC mean.

Course	Z-Score	HSC 90 th Percentile	ATAR Scaled 90 th Percentile	HSC 75 th Percentile	ATAR Scaled 75 th Percentile	HSC 50 th Percentile	ATAR Scaled 50 th Percentile	B 6/N
English Extension 2	0.73	94	89.2	90	82.2	84	73.6	<mark>2/2</mark>

Largest state candidature since 2018; Highest school mean, school mean ATAR value and z-score since 2017

Course	Z-Score	HSC 90 th Percentile	ATAR Scaled 90 th Percentile	HSC 75 th Percentile	ATAR Scaled 75 th Percentile	HSC 50 th Percentile	ATAR Scaled 50 th Percentile	B 6/N
Geography	0.61	89	79.38	84	68.8	78	52.2	4/11

Highest state HSC mean since 2008 and lowest state candidature since new HSC began.



Course	Z-Score	HSC 90 th Percentile	ATAR Scaled 90 th Percentile	HSC 75 th Percentile	ATAR Scaled 75 th Percentile	HSC 50 th Percentile	ATAR Scaled 50 th Percentile	B 6/N
Legal Studies	0.67	91	79.8	85	67.4	77	50.6	12/26

• Lowest state candidature since 2014; highest state HSC mean since 2017.

Course	Z-Score	HSC 90 th Percentile	ATAR Scaled 90 th Percentile	HSC 75 th Percentile	ATAR Scaled 75 th Percentile	HSC 50 th Percentile	ATAR Scaled 50 th Percentile	B 6/N
Mathematics Advanced	0.75	94	87.4	89	78.6	79	63.4	102/173

• Highest scaled ATAR unit value since new HSC began; highest ever ATAR value at the 75th percentile @ 78.6

Course	Z-Score	HSC 90 th Percentile	ATAR Scaled 90 th Percentile	HSC 75 th Percentile	ATAR Scaled 75 th Percentile	HSC 50 th Percentile	ATAR Scaled 50 th Percentile	B 6/N
Mathematics Extension 1	0.42	95	95.4*	92	91.4	82	84.4	107/180

Highest HSC scaled ATAR unit value since new HSC began; highest ever ATAR value at 75th percentile - 91.4.

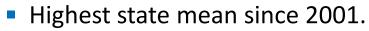
Course	Z-Score	HSC 90 th Percentile	ATAR Scaled 90 th Percentile	HSC 75 th Percentile	ATAR Scaled 75 th Percentile	HSC 50 th Percentile	ATAR Scaled 50 th Percentile	B 6/N
Mathematics Extension 2	0.43	94	97.2*	92	95*	86	91.6*	66/118

• Highest school mean ATAR value since 2008; HSC marks scaled up at 99th, 90th, 75th & 50th percentiles.

Course	Z-Score	HSC 90 th Percentile	ATAR Scaled 90 th Percentile	HSC 75 th Percentile	ATAR Scaled 75 th Percentile	HSC 50 th Percentile	ATAR Scaled 50 th Percentile	B 6/N
Modern History	0.91	90	79.2	83	68	75	52	7/23

• Third highest z-score since 2015; lowest school candidature since 2021..

Course	Z-Score	HSC 90 th Percentile	ATAR Scaled 90 th Percentile	HSC 75 th Percentile	ATAR Scaled 75 th Percentile	HSC 50 th Percentile	ATAR Scaled 50 th Percentile	B 6/N
History Extension	0.01	94	85.4	90	77.8	82	67.8	2/5





Course	Z-Score	HSC 90 th Percentile	ATAR Scaled 90 th Percentile	HSC 75 th Percentile	ATAR Scaled 75 th Percentile	HSC 50 th Percentile	ATAR Scaled 50 th Percentile	B 6/N
Music 1	1.56	93	73.2	89	59	84	42.2	<mark>2/2</mark>

Highest ever state HSC mean; highest school mean since 2008; highest z-score since 2020.

Course	Z-Score	HSC 90 th Percentile	ATAR Scaled 90 th Percentile	HSC 75 th Percentile	ATAR Scaled 75 th Percentile	HSC 50 th Percentile	ATAR Scaled 50 th Percentile	B 6/N
Music 2	0.48	95	89.6	92	81.4	87	69.8	7/13

• Lowest state HSC mean since 2012.

Course	Z-Score	HSC 90 th Percentile	ATAR Scaled 90 th Percentile	HSC 75 th Percentile	ATAR Scaled 75 th Percentile	HSC 50 th Percentile	ATAR Scaled 50 th Percentile	B 6/N
Music Extension	0.82	100	100	98	88.6	94	73.4	<mark>3/3</mark>



Course	Z-Score	HSC 90 th Percentile	ATAR Scaled 90 th Percentile	HSC 75 th Percentile	ATAR Scaled 75 th Percentile	HSC 50 th Percentile	ATAR Scaled 50 th Percentile	B 6/N
PDHPE	0.98	88	73.8	82	61.6	74	45.6	2/17

Highest ever state and school candidature for this course.

Course	Z-Score	HSC 90 th Percentile	ATAR Scaled 90 th Percentile	HSC 75 th Percentile	ATAR Scaled 75 th Percentile	HSC 50 th Percentile	ATAR Scaled 50 th Percentile	B 6/N
Physics	0.89	91	86.2	85	77.8	76	64	50/115

• Equal highest scaled ATAR unit value since new HSC began; school mean ATAR value & z-score at LTA or above.

Course	Z-Score	HSC 90 th Percentile	ATAR Scaled 90 th Percentile	HSC 75 th Percentile	ATAR Scaled 75 th Percentile	HSC 50 th Percentile	ATAR Scaled 50 th Percentile	B 6/N
Software Design	1.14	91	83	84	69.6	75	53	11/19

Lowest state candidature since 2013; equal highest number of school candidates since new HSC began.



Course	Z-Score	HSC 90 th Percentile	ATAR Scaled 90 th Percentile	HSC 75 th Percentile	ATAR Scaled 75 th Percentile	HSC 50 th Percentile	ATAR Scaled 50 th Percentile	B 6/N
Studies of Religion I-unit	0.04	90	78.2	86	69.2	78	55.8	0/7

• Equal highest ever HSC state mean.

Course	Z-Score	HSC 90 th Percentile	ATAR Scaled 90 th Percentile	HSC 75 th Percentile	ATAR Scaled 75 th Percentile	HSC 50 th Percentile	ATAR Scaled 50 th Percentile	B 6/N
Studies of Religion 2-unit	0.41	90	80.4	85	70.8	79	56.6	3/9

• Highest state mean since 2009; highest ATAR scaled unit value since 2011.

Course	Z-Score	HSC 90 th Percentile	ATAR Scaled 90 th Percentile	HSC 75 th Percentile	ATAR Scaled 75 th Percentile	HSC 50 th Percentile	ATAR Scaled 50 th Percentile	B 6/N
Visual Arts	1.01	92	75.4	88	60.8	83	41.6	3/8

Equal highest state mean since new HSC began; highest state candidature since 2018.



Course	Z-Score	HSC 90 th Percentile	ATAR Scaled 90 th Percentile	HSC 75 th Percentile	ATAR Scaled 75 th Percentile	HSC 50 th Percentile	ATAR Scaled 50 th Percentile	B 6/N
Chinese in Context	N/A							

Course	Z-Score	HSC 90 th Percentile	ATAR Scaled 90 th Percentile	HSC 75 th Percentile	ATAR Scaled 75 th Percentile	HSC 50 th Percentile	ATAR Scaled 50 th Percentile	B 6/N
Latin Continuers	0.51	96	96.2*	92	91.6	89	83.2	0/5

• Highest state candidature since 2016; HSC marks scaled up at the 99th and 90th percentiles.

Course	Z-Score	HSC 90 th Percentile	ATAR Scaled 90 th Percentile	HSC 75 th Percentile	ATAR Scaled 75 th Percentile	HSC 50 th Percentile	ATAR Scaled 50 th Percentile	B 6/N
Latin Extension	N/A							



Course	Z-Score	HSC 90 th Percentile	ATAR Scaled 90 th Percentile	HSC 75 th Percentile	ATAR Scaled 75 th Percentile	HSC 50 th Percentile	ATAR Scaled 50 th Percentile	B 6/N
Chinese Continuers	0.48	96	88.2	93	78.4	87	67.4	2/3

• Smallest school candidature since 2002; highest state candidature since the new HSC began.

Course	Z-Score	HSC 90 th Percentile	ATAR Scaled 90 th Percentile	HSC 75 th Percentile	ATAR Scaled 75 th Percentile	HSC 50 th Percentile	ATAR Scaled 50 th Percentile	B 6/N
Chinese extension	0.61	96	88.2	94	82	90	71	1/1

• Highest school HSC mean and school mean ATAR value since 2010; highest z-score since 2010.

Course	Z-Score	HSC 90 th Percentile	ATAR Scaled 90 th Percentile	HSC 75 th Percentile	ATAR Scaled 75 th Percentile	HSC 50 th Percentile	ATAR Scaled 50 th Percentile	B 6/N

Lowest state candidature since 2004; highest school mean, mean ATAR value and z-score since 2012



Comparing SBHS to Statistically Similar School Groups

• How well did we perform compared to our statistically similar school group?

That is, a comparison group of <u>selective school</u> students, moderated for <u>socio- economic</u> differences)

- How well did we perform against the state mean for the course?
- The following tables comprise:
 - Name of the course
 - HSC mean for High in the course state school students only.
 - Mean for the statistically similar school group
 - Mean in the course for the state all students
 - Difference between High means and the SSG means

NOTE:

- Scores in black (n=22) were above the SSSG mean.
- Scores highlighted in red (n=10) were below the SSSG mean



Course	SBHS 2023	SSSG Average 2023	State Mean 2023	SBHS v SSG Difference
Ancient History	88.6	84.7	68.7	+3.9
Biology	85.1	84.9	71.8	+0.2
Business Studies	89.3	85.0	70.9	+4.3
Chemistry	89.1	84.5	73.7	+4.6
Economics	83.6	83.7	75.5	-0.1
Engineering Studies	81.9	85.0	73.9	-3.1
English (Advanced)	85.0	85.8	81.2	-0.8
English Extension 1	83.0	87.6	84.6	-4.6
English Extension 2	90.0	83.4	80.4	+6.4
English Standard	75.9	72.2	68.5	+3.7



Course	SBHS 2023	SSSG Average 2023	State Mean 2023	SBHS v SSSG Difference
Geography	83.5	87.4	72.5	-3.9
Legal Studies	84.1	87.1	72.9	-3.0
Mathematics	88.2	85.6	77.1	+2.6
Mathematics Extension 1	85.1	85.3	78.7	-0.2
Mathematics Extension 2	87.8	86.4	83.1	+1.4
Modern History	85.7	85.0	69.7	+0.7
PDHPE	84.2	83.9	71.0	+0.3
Physics	86.1	84.7	74.4	+1.4
Studies of Religion 1	81.1	83.7	82.7	-2.6
Studies of Religion II	84.0	81.9	71.8	-2.1



Course	SBHS 2023	SSSG Average 2023	State Mean 2023	SBHS v SSSG Difference
Software Design	89.0	84.3	72.7	+4.7
Visual Arts	85	89.5	79.8	-4.5
History Extension	81.1	86.4	78.3	-5.3
Chinese Continuers	89.7	93.8	80.1	-4.1
Classical Greek	87.0	84.0	84.5	+3.0
Latin Continuers	83.8	85.5	85.4	-1.7
Music 1	98	89.8	80.0	+8.2
Music 2	90	89.0	85.6	+1.0
Music extension	98	93.0	90.4	+5.0



- 1st column: course and its number of candidates in the state: current highest lowest and mean since 2001
- Ind column: history of the state mean in the course: current highest lowest and mean since 2001
- 3rd column: the State mean ATAR unit value is recorded, where 25 is average for a 2-unit course
- 4th column: the school ATAR unit value for the average student in the course NOTE: the school standard is 37.1
- 5th column: the school z-score: current high low average
- NOTE:
 - Where high or low values occur, they are coloured yellow
 - Where school mean scaled unit values are below 37.1, they are coloured red.



			STATE ATAR UNIT	SCHOOL ATAR MEAN	ATAR
COURSE	NO.	STATE MEAN	VALUE SCALED	UNIT VALUE SCALED	Z-SCORE
Ancient History					
2023	6,682	35.9	23	35.80	1.15
High	12,144	37.5	25.1	37.88	1.35
Low	6,336	34.9	23	30.12	0.54
LTA	9,582	36.19	24.29	34.55	0.96

			STATE ATAR UNIT	SCHOOL ATAR MEAN	
COURSE	NO.	STATE MEAN	VALUE SCALED	UNIT VALUE SCALED	Z-SCORE
Biology					
2023	<mark>19,382</mark>	36.8	26	36.54	1.00
High	<mark>19,382</mark>	37.4	26.9	37.48	1.12
Low	12,215	35.2	25.9	33.13	0.41
LTA	15,975	36.56	26.53	35.16	0.88



			ATAR UNIT	SCHOOL ATAR MEAN	
COURSE	NO.	STATE MEAN	VALUE SCALED	UNIT VALUE SCALED	Z-SCORE
Business Studies					
2023	<mark>18,705</mark>	37.1	23.6	37	1.22
High	<mark>18,705</mark>	37.4	24.3	40.83	1.62
Low	14,721	34.7	23.6	32.05	0.82
LTA	16,588	36.55	23.87	36.13	1.16

COURSE	NO.	STATE MEAN	ATAR UNIT VALUE SCALED	SCHOOL ATAR MEAN UNIT VALUE SCALED	Z-SCORE
Chemistry			VALUE SCALLD		
2023	9,892	37.2	31.7	43.14	1.14
High	11,173	38.3	31.8	43.14	1.14
Low	8,887	34.6	31.2	38.20	0.67
LTA	10,272	37.16	31.51	40.43	0.94



			ATAR UNIT	SCHOOL ATAR MEAN	
COURSE	NO.	STATE MEAN	VALUE SCALED	UNIT VALUE SCALED	Z-SCORE
Design and techno	logy				
2023	3,783	38.8	22.8	36.90	1.24
High	4,457	39.8	22.8	39.60	1.84
Low	3,148	36	21.3	21.31	-0.32
LTA	3,535	38.33	22.07	32.22	0.98

COURSE	NO.	STATE MEAN	ATAR UNIT VALUE SCALED	SCHOOL ATAR MEAN UNIT VALUE SCALED	Z-SCORE
Drama					
2023					
High					
Low					
LTA					



			ATAR UNIT	SCHOOL ATAR MEAN	
COURSE	NO.	STATE MEAN	VALUE SCALED	UNIT VALUE SCALED	Z-SCORE
Economics					
2023	5,515	37.3	31.2	38.37	0.73
High	6,136	39.0	32.2	40.08	0.88
Low	5,010	36.9	30.6	35.16	0.40
LTA	5,385	38.18	31.40	37.80	0.65
			ΔΤΔΡ ΠΝΙΤ	SCHOOL ATAR MEAN	
COURSE	NO.	STATE MEAN	ATAR UNIT VALUE SCALED	SCHOOL ATAR MEAN UNIT VALUE SCALED	Z-SCORE
COURSE Engineering Studies	NO.	STATE MEAN			Z-SCORE
	NO. <mark>2,557</mark>	STATE MEAN 37.3			Z-SCORE 0.71
Engineering Studies			VALUE SCALED	UNIT VALUE SCALED	
Engineering Studies 2023	<mark>2,557</mark>	37.3	VALUE SCALED	UNIT VALUE SCALED 32.91	0.71



			ATAR UNIT	SCHOOL ATAR MEAN	
COURSE	NO.	STATE MEAN	VALUE SCALED	UNIT VALUE SCALED	Z-SCORE
English Advanced					
2023	25,102	41.1	32.6	35.54	0.36
High	28,066	41.2	33.2	40.28	0.99
Low	20,123	38.5	31.2	34.47	0.21
LTA	25 <i>,</i> 869	40.08	31.90	36.83	0.60
			ATAR UNIT	SCHOOL ATAR MEAN	
COURSE	NO.	STATE MEAN	ATAR UNIT VALUE SCALED	SCHOOL ATAR MEAN UNIT VALUE SCALED	Z-SCORE
COURSE English Extension 1		STATE MEAN			Z-SCORE
		STATE MEAN 42.6			Z-SCORE 0
English Extension 1			VALUE SCALED	UNIT VALUE SCALED	

36.42

38.27

LTA

4,786

40.92



0.32

			ATAR UNIT	SCHOOL ATAR MEAN	
COURSE	NO.	STATE MEAN	VALUE SCALED	UNIT VALUE SCALED	Z-SCORE
English Extension 2					
2023	1,408	40.7	36.3	41.13	0.73
High	2,608	41.6	38.1	45.29	1.38
Low	1,242	39.0	35.2	33.43	-0.46
LTA	1,891	40.0	36.32	37.35	0.15

COURSE	NO.	STATE MEAN	ATAR UNIT VALUE SCALED	SCHOOL ATAR MEAN UNIT VALUE SCALED	Z-SCORE
Geography					
2023	4,025	38.2	25.8	35.52	0.61
High	6,210	38.6	26.0	39.15	1.31
Low	4,109	35.9	24.8	32.84	0.75
LTA	4,591	37.47	25.37	36.15	1.01



COURCE	NO	СТАТГ В <i>а</i> галі		SCHOOL ATAR MEAN	7 50005
COURSE	NO.	STATE MEAN	VALUE SCALED	UNIT VALUE SCALED	Z-SCORE
Legal Studies					
2023	10,224	37.8	25.1	32.49	0.67
High	10,797	38.2	25.7	38.62	1.31
Low	7,523	33.1	24.9	29.82	0.44
LTA	9,358	37.10	25.24	35.26	0.94
			ATAR UNIT	SCHOOL ATAR MEAN	
COURSE	NO.	STATE MEAN	VALUE SCALED	UNIT VALUE SCALED	Z-SCORE
Mathematics Adv.					
2023	16,428	39.2	31.8	38.90	0.75
High	20,799	39.8	31.8	40.54	1.02
Low	16,139	36.2	29.8	34.81	0.53

30.79

38.74

LTA

17,613

38.36



0.83

			ATAR UNIT	SCHOOL ATAR MEAN	
COURSE	NO.	STATE MEAN	VALUE SCALED	UNIT VALUE SCALED	Z-SCORE
Mathematics Ext	ension 1				
2023	8,390	39.2	40.2	43.43	0.42
High	9,955	41.0	40.1	44.75	0.83
Low	6,240	36.6	37.6	41.34	0.41
LTA	8,792	39.47	39.47	43.47	0.57

			ATAR UNIT	SCHOOL ATAR MEAN	
COURSE	NO.	STATE MEAN	VALUE SCALED	UNIT VALUE SCALED	Z-SCORE
Mathematics Exte	ension 2				
2023	3,273	41.3	44.3	46.43	0.43
High	3,512	41.9	44.7	46.71	0.70
Low	2,578	39.7	42.7	44.84	0.22
LTA	3,220	41.0	43.65	45.83	0.46



COURSE	NO.	STATE MEAN	ATAR UNIT VALUE SCALED	SCHOOL ATAR MEAN UNIT VALUE SCALED	Z-SCORE
Modern History	NO.	STATE WILAN	VALUE SCALED	UNIT VALUE SCALLD	Z-SCORL
2023	10,456	36.6	<mark>25.3</mark>	35.18	0.91
High	11,329	38.6	27.6	38.51	1.11
Low	8,751	36.5	<mark>25.3</mark>	32.07	0.48
LTA	10,172	37.53	26.59	35.91	0.87
			ATAR UNIT	SCHOOL ATAR MEAN	
COURSE	NO.	STATE MEAN	VALUE SCALED	UNIT VALUE SCALED	Z-SCORE
History Extension	1				
2023	1,730	40.2	33.5	33.59	0.01
High	2,397	42.7	35.2	40.83	0.96
Low	1,524	34.6	33.6	33.02	-0.26
LTA	1,980	38.41	34.08	37.14	0.46



COURSE	NO.	STATE MEAN	ATAR UNIT VALUE SCALED	SCHOOL ATAR MEAN UNIT VALUE SCALED	Z-SCORE
Music 1 2 unit	NO .		VALOL SCALLD		
2023	4,380	<mark>41.3</mark>	21.4	38.28	1.56
High	5,126	<mark>41.3</mark>	22.8	41.46	1.92
Low	3,555	37.2	21.1	26.07	0.37
LTA	4,507	40.10	21.76	33.62	1.14
				SCHOOL ATAR MEAN	
COURSE	NO.	STATE MEAN	ATAR UNIT VALUE SCALED	SCHOOL ATAR MEAN UNIT VALUE SCALED	Z-SCORE
COURSE Music 2 Unit	NO.	STATE MEAN			Z-SCORE
	NO. 727	STATE MEAN 43.3			Z-SCORE 0.48
Music 2 Unit			VALUE SCALED	UNIT VALUE SCALED	
Music 2 Unit 2023	727	43.3	VALUE SCALED 34.1	UNIT VALUE SCALED 38.15	0.48



			ATAR UNIT	SCHOOL ATAR MEAN	
COURSE	NO.	STATE MEAN	VALUE SCALED	UNIT VALUE SCALED	Z-SCORE
Music Extension					
2023	386	45.4	35.8	43.55	0.82
High	504	46.2	36.6	45.28	1.25
Low	332	41.7	33.9	31.85	-0.49
LTA	419	44.50	35.25	41.03	0.66
			ATAR UNIT	SCHOOL ATAR MEAN	
COURSE	NO.	STATE MEAN	ATAR UNIT VALUE SCALED	SCHOOL ATAR MEAN UNIT VALUE SCALED	Z-SCORE
COURSE PDHPE	NO.	STATE MEAN			Z-SCORE
	NO. 16,873	STATE MEAN 36.7			Z-SCORE 0.98
PDHPE			VALUE SCALED	UNIT VALUE SCALED	
PDHPE 2023	<mark>16,873</mark>	36.7	VALUE SCALED 22.7	UNIT VALUE SCALED 33.04	0.98



COURSE	NO.	STATE MEAN	ATAR UNIT VALUE SCALED	SCHOOL ATAR MEAN UNIT VALUE SCALED	Z-SCORE
Physics					
2023	7,921	37.6	30.9	39.76	0.89
High	10,158	37.9	30.9	41.18	1.11
Low	7,633	34.5	30.1	36.94	0.70
LTA	9,060	36.98	30.48	39.14	0.89



			ATAR UNIT	SCHOOL ATAR MEAN	
COURSE	NO.	STATE MEAN	VALUE SCALED	UNIT VALUE SCALED	Z-SCORE
Software Design					
2023	1,648	37.1	26.4	38.78	1.14
High	3,666	37.9	26.1	39.10	1.45
Low	1,608	32.8	26.8	30.53	0.48
LTA	2,026	36.70	24.90	36.84	1.16

			ATAR UNIT	SCHOOL ATAR MEAN	
COURSE	NO.	STATE MEAN	VALUE SCALED	UNIT VALUE SCALED	Z-SCORE
Studies of Religio	on 1 Unit				
2023	8,239	<mark>39.2</mark>	27.5	<mark>27.87</mark>	0.04
High	9,950	<mark>39.2</mark>	28.1	36.95	1.06
Low	8,129	37.6	27.1	<mark>27.87</mark>	0.06
LTA	8,971	38.45	27.64	31.42	0.43



			ATAR UNIT	SCHOOL ATAR MEAN	
COURSE	NO.	STATE MEAN	VALUE SCALED	UNIT VALUE SCALED	Z-SCORE
Studies of Religion 2	2 Unit				
2023	5,734	38.9	27.7	33.56	0.60
High	6,280	39.4	27.8	39.89	1.26
Low	3,554	37.3	26.6	29.90	0.36
LTA	5,433	38.24	27.36	33.05	0.57
			ΔΤΔΡ ΠΝΙΤ	SCHOOL ATAR MEAN	
COURSE	NO.	STATE MEAN	ATAR UNIT VALUE SCALED	SCHOOL ATAR MEAN UNIT VALUE SCALED	Z-SCORE
COURSE Visual Arts	NO.	STATE MEAN			Z-SCORE
	NO. 8,177	STATE MEAN 40.9			Z-SCORE 0.42
Visual Arts			VALUE SCALED	UNIT VALUE SCALED	
Visual Arts 2023	8,177	<mark>40.9</mark>	VALUE SCALED 21.8	UNIT VALUE SCALED 26.47	0.42



			ATAR UNIT	SCHOOL ATAR MEAN	
COURSE	NO.	STATE MEAN	VALUE SCALED	UNIT VALUE SCALED	Z-SCORE
Chinese in Context					
2022	<mark>152</mark>	43.9	30.6	36.22	0.55
High	<mark>152</mark>	44.5	30.4	38.67	0.75
Low	84	42.8	26.6	25.50	-0.50
LTA	109	43.9	31.1	33.24	0.21
			ATAR UNIT	SCHOOL ATAR MEAN	
COURSE	NO.	STATE MEAN	VALUE SCALED	UNIT VALUE SCALED	Z-SCORE
	NO.	STATE WILAN	VALUE SCALED	UNIT VALUE SCALED	2-SCORE
Latin Continuers					

2023	141	<mark>42.3</mark>	39.9	43.32	0.48
High	217	46.1	41.1	48.07	1.26
Low	131	<mark>42.3</mark>	39.2	32.83	-1.57
LTA	166	44.21	40.17	40.33	0.02



			ATAR UNIT	SCHOOL ATAR MEAN	
COURSE	NO.	STATE MEAN	VALUE SCALED	UNIT VALUE SCALED	Z-SCORE
Latin Extension					
2022	83	45.8	41.4	43.73	0.31
High	129	47.5	43.8	44.87	0.51
Low	50	44.0	41.0	21.95	-3.28
LTA	97	45.97	42.05	39.79	-0.41

COURSE	NO.	STATE MEAN	ATAR UNIT VALUE SCALED	SCHOOL ATAR MEAN UNIT VALUE SCALED	Z-SCORE
Chinese continuers					
2023	193	42.2	32.4	<mark>37.14</mark>	0.48
High	193	43.4	34	41.63	1.01
Low	75	40.4	31	<mark>37.14</mark>	0.51
LTA	107	42.37	32.43	39.40	0.692



			ATAR UNIT	SCHOOL ATAR MEAN	
COURSE	NO.	STATE MEAN	VALUE SCALED	UNIT VALUE SCALED	Z-SCORE
Chinese Extension					
2023	52	45	36.2	40.43	0.61
High	58	46.4	38.3	42.07	0.98
Low	31	44.8	35.2	35.94	-0.21
LTA	38	45.97	36.27	39.33	0.44

COURSE	NO.	STATE MEAN	ATAR UNIT VALUE SCALED	SCHOOL ATAR MEAN UNIT VALUE SCALED	Z-SCORE
2023					
High					
Low					
LTA					

Which University SBHS Students Attend

Course	2015	2016	2017	2018	2019	2020	2021	2022	2023	Average
New South Wales	145	127	147	137	131	149	157	147	136	140
Sydney	25	38	27	38	44	30	27	25	41	33
UTS	3	13	7	11	12	11	6	14	13	10
Macquarie	6	6	8	6	10	7	4	6	6	7
Western Sydney	8	11	9	3	3	3	4	12	6	6
ANU	7	5	4	5	3	0	1	1	0	4
Australian Catholic	4	1	1	6	5	5	1	2	1	3
Wollongong	2	1	1	1	1	1	1	1	0	1
Other	5	4	1	0	5	2	0	1	4	1
Total	205	205	205	207	214	210	205	209	208	207









University Courses SBHS Students Study

Course	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	LTA
Arts/Social Sciences/finance	65	64	54	50	56	47	62	56	50	53	55
Engineering	36	39	53	43	43	33	32	29	51	46	47
Health Sciences	39	46	32	36	28	34	41	32	31	40	39
Science	12	11	26	10	35	32	26	24	18	12	21
Law/ combined	29	24	20	27	12	25	21	24	19	18	22
IT/ Computing	1	6	5	16	15	22	14	22	23	27	14
Design /Bldg	2	0	4	6	7	5	4	6	6	6	4
International Studies	4	1	3	4	1	1	3	3	1	1	3
Education	2	0	0	2	1	2	0	1	4	3	1





NUTURING SCHOLAR-SPORTSMEN SINCE 1883

Thank you.