



NUTURING SCHOLAR-SPORTSMEN SINCE 1883

# HSC Results 2024

**Presentation to P & C**

By Dr K. A. Jaggar, March 10 2025

# The League Tables in the Media

- HSC rankings published in newspapers follow a basic formula:  
$$= (\text{Band 6/E4s earned} \div \text{Number of papers sat by students}) \times 100$$
- 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 600 Band 6s. This year we achieved 604 . Rank in League Tables = 9.
- We have very large number of boys in harder courses. Hence, it is difficult to get to 50% Band 6/E4s.
  - Mathematics Extension 1 (166 )
  - Extension 2 (120 )
  - English Advanced (211)
  - Physics (106), Chemistry (103)
- We are working hard on our weaknesses as identified by our RAP analyses and internal data (quantitative and qualitative). Programs are being amended to try to boost literacy in Years 7-10. Some senior classes use sentence and paragraph building exercises. More boys will be accustomed to these techniques in 2025



# SBHS ATAR History

- 2024 average ATAR = 93.725: SD of 6.85 . 99+ =42 (LTA =38.6); 95-99 =75 (LTA =73.29); 90+ =166 (LTA=153.4)
- % boys: 99 up 20.39; 95 up 36.41; 90-94 – 23.79;  $\geq 90$  (80.58) Since 2001 these averages are 19%; 36.41%; 20.58% and 76.16%.
- Since 2001, SBHS Average ATAR has been 92.59 with SD of 8.72
- Our segmented ATAR History - Mean & Standard Deviation &  $\geq 90$

| Years       | ATAR Mean | Standard Deviation | $\geq 90\%$ |
|-------------|-----------|--------------------|-------------|
| 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 - 2024 | 92.24     | 8.51               | 76.36       |



# HSC Results for Class of 2024

- ATAR Predictor Results

- Year 7 enrolments 93.743
- Later Years Enrolments  
Year 9 = 93.58      Years 10 & 11 = 94.03

- Overall Result 93.725

- Individual Results

- 3 students achieved ATAR 99.90
- 166 students (80.58%) achieved ATAR  $\geq 90$
- Tail 14 students (6.8%) achieved ATAR  $< 80$
- [**lowest** tail percentage since 2011; 2023 was 12.08, 2022 was 12.38; 2021 was 7.51; 2020 was 9.39]

| ATAR       | Qty of Students |
|------------|-----------------|
| $\geq 99$  | 42              |
| 95 – 98.95 | 75              |
| 90 – 94.95 | 49              |
| 85 – 89    | 17              |
| 80 – 84    | 9               |
| 75 – 79    | 7               |
| 70 – 74    | 5               |
| $< 70$     | 2               |

- Of the lowest 25 ATARs, 21 students were enrolled in Year 7 in 2019 (84%)
- We have to do more to monitor and chase up our low achievers to get their work done.



# SBHS High Achievers in Courses - Top 10 State Ranking

|                         |                  |    |
|-------------------------|------------------|----|
| Engineering Studies     | Ziyin Zhang      | 2  |
| Mathematics Extension 1 | Brian Nguyen     | 3  |
|                         | Oscar Lam        | 7  |
| Geography               | Shafayat Hossain | 4  |
| Chemistry               | Leon Shen        | 10 |

## State Ranks 11-20:

|                      |               |    |
|----------------------|---------------|----|
| Mathematics Advanced | Clinton Chau  | 15 |
| Business Studies     | Aiden McManus | 18 |

*Well done & congratulations boys!*



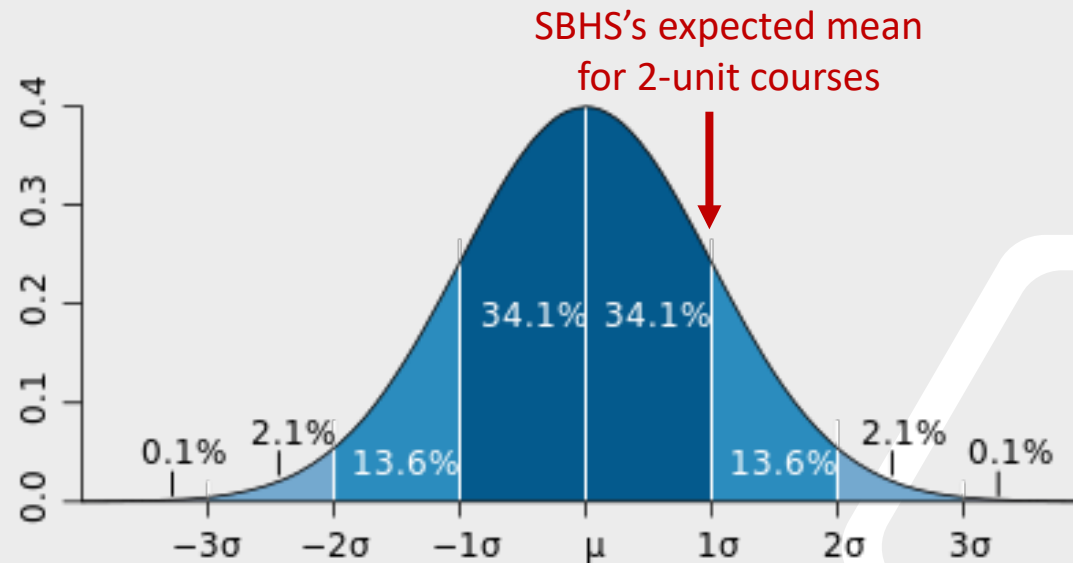
# Bands 5 & 6 Comparative Results (2024 v 2023)

- Courses Up 20
  - Courses Down 2
  - Courses the Same 8
- 
- HSC 2024 vs Long Term Average (2015-2024 5&6)
  - Courses Up 20
  - Courses Down 5
  - Courses the Same 5



# Explanation of Statistics Terms Used

- **Standard Deviation** ( $\sigma$ ) 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** ( $\mu$ ) 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 at least one standard deviation above the mean.
- **Due to the scaling effects**, as demonstrated later in the presentation, a target HSC mark for a two-unit course is 87, 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 $\geq 1.0$ )

| Course                        | No. Students in SBHS | School Mean | Z Score |
|-------------------------------|----------------------|-------------|---------|
| Design and Technology         | 3                    | 95.73       | 1.75    |
| Engineering Studies           | 18                   | 88.41       | 1.30    |
| Music 1                       | 1                    | 94.20       | 1.29    |
| Software Design & Development | 8                    | 91.10       | 1.27    |
| Geography                     | 26                   | 89.62       | 1.22    |
| PDHPE                         | 11                   | 87.58       | 1.21    |
| Modern History                | 18                   | 89.09       | 1.19    |
| Business Studies              | 35                   | 89.07       | 1.17    |
| Chemistry                     | 103                  | 87.20       | 1.01    |
| Physics                       | 106                  | 87.27       | 1.01    |
| Ancient History               | 8                    | 88.35       | 1.00    |

- Our expectations are that in 2-unit courses, our course mean should be as close to one standard deviation above the State mean as possible. N= 11 for 2024; (n=6)2023, n=8 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 |
|----------------------------|----------------------|-------------|---------|
| Legal Studies              | 13                   | 87.86       | 0.97    |
| Biology                    | 61                   | 84.98       | 0.95    |
| Mathematics Advanced       | 158                  | 89.04       | 0.92    |
| Studies of Religion 1 unit | 6                    | 42.92       | 0.85    |

- Successful courses 2024 n=4 (n=5 2023, n=6 2022, n=9 2021, n=7, 2020)

# Comparison of Means of Extension Courses

## Highly Successful (Z-Score $\geq 0.5$ )

| Course                  | No. Students in SBHS | School Mean | Z Score |
|-------------------------|----------------------|-------------|---------|
| Music Extension 1       | 1                    | 50          | 0.95    |
| History Extension       | 9                    | 44.83       | 0.77    |
| Mathematics Extension 1 | 166                  | 90.71       | 0.76    |
| Mathematics extension 2 | 120                  | 89.55       | 0.56    |

- 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 |
|--------|----------------------|-------------|---------|
|--------|----------------------|-------------|---------|

# How did Y2024 Compare to Past HSC Results at High?

- The following tables describe the course name and below them a statement comparing Y2024 result 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
- Then similar pairs of scores for the 75th percentile and 50th percentile
- The first score in the pair is the HSC mark at that percentile, followed by the ATAR scaled mark at that 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



# How did Y2024 Compare to Past HSC Results at High?

| Course          | Z-Score | HSC 90 <sup>th</sup> Percentile | ATAR Scaled 90 <sup>th</sup> Percentile | HSC 75 <sup>th</sup> Percentile | ATAR Scaled 75 <sup>th</sup> Percentile | HSC 50 <sup>th</sup> Percentile | ATAR Scaled 50 <sup>th</sup> Percentile | B 6/N |
|-----------------|---------|---------------------------------|---|---------------------------------|---|---------------------------------|---|-------|
| Ancient History | 1.08    | 89                              | 76.2                                    | 83                              | 62.8                                    | 75                              | 45.6                                    | 4/8   |

- Above average long term – course mean, mean ATAR value and z-score

| Course  | Z-Score | HSC 90 <sup>th</sup> Percentile | ATAR Scaled 90 <sup>th</sup> Percentile | HSC 75 <sup>th</sup> Percentile | ATAR Scaled 75 <sup>th</sup> Percentile | HSC 50 <sup>th</sup> Percentile | ATAR Scaled 50 <sup>th</sup> Percentile | B 6/N |
|---------|---------|---------------------------------|---|---------------------------------|---|---------------------------------|---|-------|
| Biology | 0.95    | 88                              | 79                                      | 83                              | 64.8                                    | 76                              | 53.2                                    | 17/61 |

- Highest ever school candidate numbers; above average school mean & mean ATAR value

| Course           | Z-Score | HSC 90 <sup>th</sup> Percentile | ATAR Scaled 90 <sup>th</sup> Percentile | HSC 75 <sup>th</sup> Percentile | ATAR Scaled 75 <sup>th</sup> Percentile | HSC 50 <sup>th</sup> Percentile | ATAR Scaled 50 <sup>th</sup> Percentile | B 6/N |
|------------------|---------|---------------------------------|---|---------------------------------|---|---------------------------------|---|-------|
| Business Studies | 1.17    | 90                              | 78                                      | 84                              | 65.6                                    | 75                              | 47                                      | 18/35 |

- Largest ever state candidature; highest scaled scores at the 99, 90, & 75 percentiles+ average z-score



# How did Y2024 Compare to Past HSC Results at High?

| Course    | Z-Score | HSC 90 <sup>th</sup> Percentile | ATAR Scaled 90 <sup>th</sup> Percentile | HSC 75 <sup>th</sup> Percentile | ATAR Scaled 75 <sup>th</sup> Percentile | HSC 50 <sup>th</sup> Percentile | ATAR Scaled 50 <sup>th</sup> Percentile | B 6/N  |
|-----------|---------|---------------------------------|---|---------------------------------|---|---------------------------------|---|--------|
| Chemistry | 1.02    | 90                              | 86.8                                    | 84                              | 79.8                                    | 76                              | 67.4                                    | 48/103 |

- Above average long term school mean, mean ATAR value and z-score. Highest value ever a 75<sup>th</sup> percentile

| Course                | Z-Score | HSC 90 <sup>th</sup> Percentile | ATAR Scaled 90 <sup>th</sup> Percentile | HSC 75 <sup>th</sup> Percentile | ATAR Scaled 75 <sup>th</sup> Percentile | HSC 50 <sup>th</sup> Percentile | ATAR Scaled 50 <sup>th</sup> Percentile | B 6/N |
|-----------------------|---------|---------------------------------|---|---------------------------------|---|---------------------------------|---|-------|
| Design and Technology | 1.76    | 92                              | 75                                      | 86                              | 62                                      | 79                              | 45.6                                    | 3/3   |

- Highest ATAR scaled unit value ever; highest ever meann; highest z-score since 2008

| Course | Z-Score | HSC 90 <sup>th</sup> Percentile | ATAR Scaled 90 <sup>th</sup> Percentile | HSC 75 <sup>th</sup> Percentile | ATAR Scaled 75 <sup>th</sup> Percentile | HSC 50 <sup>th</sup> Percentile | ATAR Scaled 50 <sup>th</sup> Percentile | B 6/N |
|--------|---------|---------------------------------|---|---------------------------------|---|---------------------------------|---|-------|
| Drama  | 0.30    | 93                              | 79.4                                    | 89                              | 66                                      | 82                              | 47.6                                    | 0/6   |



# How did Y2024 Compare to Past HSC Results at High?

| Course    | Z-Score | HSC 90 <sup>th</sup> Percentile | ATAR Scaled 90 <sup>th</sup> Percentile | HSC 75 <sup>th</sup> Percentile | ATAR Scaled 75 <sup>th</sup> Percentile | HSC 50 <sup>th</sup> Percentile | ATAR Scaled 50 <sup>th</sup> Percentile | B 6/N |
|-----------|---------|---------------------------------|---|---------------------------------|---|---------------------------------|---|-------|
| Economics | 0.52    | 91                              | 86                                      | 86                              | 78.2                                    | 79                              | 65.6                                    | 14/62 |

- Lowest school mean since 2019; highest z-score since 2018; lowest school mean ATAR value since 2018

| Course              | Z-Score | HSC 90 <sup>th</sup> Percentile | ATAR Scaled 90 <sup>th</sup> Percentile | HSC 75 <sup>th</sup> Percentile | ATAR Scaled 75 <sup>th</sup> Percentile | HSC 50 <sup>th</sup> Percentile | ATAR Scaled 50 <sup>th</sup> Percentile | B 6/N |
|---------------------|---------|---------------------------------|---|---------------------------------|---|---------------------------------|---|-------|
| Engineering Studies | 1.43    | 89                              | 77.6                                    | 82                              | 67.2                                    | 74                              | 53                                      | 10/13 |

- Highest school mean since 2014; highest ever school mean ATAR value and z-score

| Course           | Z-Score | HSC 90 <sup>th</sup> Percentile | ATAR Scaled 90 <sup>th</sup> Percentile | HSC 75 <sup>th</sup> Percentile | ATAR Scaled 75 <sup>th</sup> Percentile | HSC 50 <sup>th</sup> Percentile | ATAR Scaled 50 <sup>th</sup> Percentile | B 6/N  |
|------------------|---------|---------------------------------|---|---------------------------------|---|---------------------------------|---|--------|
| English Advanced | 0.52    | 91                              | 84.8                                    | 87                              | 77.6                                    | 83                              | 67.4                                    | 49/211 |

Equal highest state mean for new HSC; highest ATAR value at 90<sup>th</sup> percentile; highest school mean ATAR value since 2015.





# How did Y2024 Compare to Past HSC Results at High?

| Course              | Z-Score | HSC 90 <sup>th</sup> Percentile | ATAR Scaled 90 <sup>th</sup> Percentile | HSC 75 <sup>th</sup> Percentile | ATAR Scaled 75 <sup>th</sup> Percentile | HSC 50 <sup>th</sup> Percentile | ATAR Scaled 50 <sup>th</sup> Percentile | B 6/N |
|---------------------|---------|---------------------------------|---|---------------------------------|---|---------------------------------|---|-------|
| English Extension 1 | 0.32    | 94                              | 86.6                                    | 92                              | 81.2                                    | 88                              | 73.8                                    | 8/15  |

- Highest state mean in new HSC; highest school mean ATAR value and z-score since 2018.

| Course              | Z-Score | HSC 90 <sup>th</sup> Percentile | ATAR Scaled 90 <sup>th</sup> Percentile | HSC 75 <sup>th</sup> Percentile | ATAR Scaled 75 <sup>th</sup> Percentile | HSC 50 <sup>th</sup> Percentile | ATAR Scaled 50 <sup>th</sup> Percentile | B 6/N |
|---------------------|---------|---------------------------------|---|---------------------------------|---|---------------------------------|---|-------|
| English Extension 2 | -0.82   | 96                              | 88.8                                    | 92                              | 81.4                                    | 84                              | 72                                      | 0/2   |

- Highest lowest school mean, mean ATAR unit value and z-score since 2001.

| Course    | Z-Score | HSC 90 <sup>th</sup> Percentile | ATAR Scaled 90 <sup>th</sup> Percentile | HSC 75 <sup>th</sup> Percentile | ATAR Scaled 75 <sup>th</sup> Percentile | HSC 50 <sup>th</sup> Percentile | ATAR Scaled 50 <sup>th</sup> Percentile | B 6/N |
|-----------|---------|---------------------------------|---|---------------------------------|---|---------------------------------|---|-------|
| Geography | 1.23    | 90                              | 79.6                                    | 84                              | 68.2                                    | 76                              | 51.8                                    | 18/25 |

- Highest school mean ATAR value and z-score since 2012; second largest school candidature since 2001.



# How did Y2024 Compare to Past HSC Results at High?

| Course        | Z-Score | HSC 90 <sup>th</sup> Percentile | ATAR Scaled 90 <sup>th</sup> Percentile | HSC 75 <sup>th</sup> Percentile | ATAR Scaled 75 <sup>th</sup> Percentile | HSC 50 <sup>th</sup> Percentile | ATAR Scaled 50 <sup>th</sup> Percentile | B 6/N |
|---------------|---------|---------------------------------|---|---------------------------------|---|---------------------------------|---|-------|
| Legal Studies | 0.96    | 91                              | 79.6                                    | 86                              | 68                                      | 77                              | 51.2                                    | 7/13  |

- Second highest state mean since 2001; Highest school mean, school mean ATAR value and z-score since 2021.

| Course               | Z-Score | HSC 90 <sup>th</sup> Percentile | ATAR Scaled 90 <sup>th</sup> Percentile | HSC 75 <sup>th</sup> Percentile | ATAR Scaled 75 <sup>th</sup> Percentile | HSC 50 <sup>th</sup> Percentile | ATAR Scaled 50 <sup>th</sup> Percentile | B 6/N   |
|----------------------|---------|---------------------------------|---|---------------------------------|---|---------------------------------|---|---------|
| Mathematics Advanced | 0.90    | 93                              | 85                                      | 89                              | 77.8                                    | 80                              | 67                                      | 101/158 |

- Highest HSC mean ATAR unit value since 2001; highest school mean ATAR value and z-score since 2022.

| Course                  | Z-Score | HSC 90 <sup>th</sup> Percentile | ATAR Scaled 90 <sup>th</sup> Percentile | HSC 75 <sup>th</sup> Percentile | ATAR Scaled 75 <sup>th</sup> Percentile | HSC 50 <sup>th</sup> Percentile | ATAR Scaled 50 <sup>th</sup> Percentile | B 6/N   |
|-------------------------|---------|---------------------------------|---|---------------------------------|---|---------------------------------|---|---------|
| Mathematics Extension 1 | 0.70    | 95                              | 93.8                                    | 92                              | 89.6                                    | 84                              | 82.6                                    | 120/166 |

- Highest school HSC mean and mean ATAR value since 2015; highest z-score since 2017.



# How did Y2024 Compare to Past HSC Results at High?

| Course                  | Z-Score | HSC 90 <sup>th</sup> Percentile | ATAR Scaled 90 <sup>th</sup> Percentile | HSC 75 <sup>th</sup> Percentile | ATAR Scaled 75 <sup>th</sup> Percentile | HSC 50 <sup>th</sup> Percentile | ATAR Scaled 50 <sup>th</sup> Percentile | B 6/N  |
|-------------------------|---------|---------------------------------|---|---------------------------------|---|---------------------------------|---|--------|
| Mathematics Extension 2 | 0.54    | 94                              | 95.8                                    | 92                              | 93.2                                    | 87                              | 89.4                                    | 78/120 |

- Highest school mean since 2017; Highest z-score since 2019; largest state candidature since 2001.

| Course         | Z-Score | HSC 90 <sup>th</sup> Percentile | ATAR Scaled 90 <sup>th</sup> Percentile | HSC 75 <sup>th</sup> Percentile | ATAR Scaled 75 <sup>th</sup> Percentile | HSC 50 <sup>th</sup> Percentile | ATAR Scaled 50 <sup>th</sup> Percentile | B 6/N |
|----------------|---------|---------------------------------|---|---------------------------------|---|---------------------------------|---|-------|
| Modern History | 1.18    | 90                              | 79                                      | 84                              | 67.6                                    | 77                              | 51.6                                    | 12/18 |

- Highest z-score and smallest school candidature since 2001; highest school mean & mean ATAR value since 2015.

| Course            | Z-Score | HSC 90 <sup>th</sup> Percentile | ATAR Scaled 90 <sup>th</sup> Percentile | HSC 75 <sup>th</sup> Percentile | ATAR Scaled 75 <sup>th</sup> Percentile | HSC 50 <sup>th</sup> Percentile | ATAR Scaled 50 <sup>th</sup> Percentile | B 6/N |
|-------------------|---------|---------------------------------|---|---------------------------------|---|---------------------------------|---|-------|
| History Extension | 0.74    | 94                              | 83.6                                    | 90                              | 76.8                                    | 84                              | 67.2                                    | 6/9   |

- Highest school mean since 2001; highest school mean ATAR value and z-score since 2021.



# How did Y2024 Compare to Past HSC Results at High?

| Course  | Z-Score | HSC 90 <sup>th</sup> Percentile | ATAR Scaled 90 <sup>th</sup> Percentile | HSC 75 <sup>th</sup> Percentile | ATAR Scaled 75 <sup>th</sup> Percentile | HSC 50 <sup>th</sup> Percentile | ATAR Scaled 50 <sup>th</sup> Percentile | B 6/N |
|---------|---------|---------------------------------|---|---------------------------------|---|---------------------------------|---|-------|
| Music 1 | 1.27    | 92                              | 72                                      | 88                              | 58.6                                    | 84                              | 41.4                                    | 1/1   |

- Above long-term average school mean, mean ATAR value and z-score.

| Course  | Z-Score | HSC 90 <sup>th</sup> Percentile | ATAR Scaled 90 <sup>th</sup> Percentile | HSC 75 <sup>th</sup> Percentile | ATAR Scaled 75 <sup>th</sup> Percentile | HSC 50 <sup>th</sup> Percentile | ATAR Scaled 50 <sup>th</sup> Percentile | B 6/N |
|---------|---------|---------------------------------|---|---------------------------------|---|---------------------------------|---|-------|
| Music 2 | 0.54    | 95                              | 89.2                                    | 91                              | 81                                      | 87                              | 71.4                                    | 10/12 |

- Highest mean ATAR unit value since 2001; below long-term average school mean ATAR unit value and z-score.

| Course          | Z-Score | HSC 90 <sup>th</sup> Percentile | ATAR Scaled 90 <sup>th</sup> Percentile | HSC 75 <sup>th</sup> Percentile | ATAR Scaled 75 <sup>th</sup> Percentile | HSC 50 <sup>th</sup> Percentile | ATAR Scaled 50 <sup>th</sup> Percentile | B 6/N |
|-----------------|---------|---------------------------------|---|---------------------------------|---|---------------------------------|---|-------|
| Music Extension | 0.98    | 100                             | 98.8                                    | 98                              | 88                                      | 94                              | 71.6                                    | 1/1   |

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# How did Y2024 Compare to Past HSC Results at High?

| Course | Z-Score | HSC 90 <sup>th</sup> Percentile | ATAR Scaled 90 <sup>th</sup> Percentile | HSC 75 <sup>th</sup> Percentile | ATAR Scaled 75 <sup>th</sup> Percentile | HSC 50 <sup>th</sup> Percentile | ATAR Scaled 50 <sup>th</sup> Percentile | B 6/N |
|--------|---------|---------------------------------|---|---------------------------------|---|---------------------------------|---|-------|
| PDHPE  | 1.20    | 89                              | 75.2                                    | 83                              | 62.4                                    | 75                              | 44.4                                    | 4/11  |

- Highest state candidature since 2001; highest mean unit ATAR value and z-score since 2016.

| Course  | Z-Score | HSC 90 <sup>th</sup> Percentile | ATAR Scaled 90 <sup>th</sup> Percentile | HSC 75 <sup>th</sup> Percentile | ATAR Scaled 75 <sup>th</sup> Percentile | HSC 50 <sup>th</sup> Percentile | ATAR Scaled 50 <sup>th</sup> Percentile | B 6/N  |
|---------|---------|---------------------------------|---|---------------------------------|---|---------------------------------|---|--------|
| Physics | 0.99    | 91                              | 85.4                                    | 84                              | 77.6                                    | 76                              | 65.6                                    | 53/106 |

- Highest school mean and unit ATAR value since 2001; highest school mean ATAR unit value since 2015.

| Course          | Z-Score | HSC 90 <sup>th</sup> Percentile | ATAR Scaled 90 <sup>th</sup> Percentile | HSC 75 <sup>th</sup> Percentile | ATAR Scaled 75 <sup>th</sup> Percentile | HSC 50 <sup>th</sup> Percentile | ATAR Scaled 50 <sup>th</sup> Percentile | B 6/N |
|-----------------|---------|---------------------------------|---|---------------------------------|---|---------------------------------|---|-------|
| Software Design | 1.27    | 91                              | 80.4                                    | 85                              | 70.2                                    | 76                              | 55.8                                    | 6/8   |

- Above long-term average for ATAR unit value, school mean, school mean ATAR unit value and z-score.



# How did Y2024 Compare to Past HSC Results at High?

| Course                     | Z-Score | HSC 90 <sup>th</sup> Percentile | ATAR Scaled 90 <sup>th</sup> Percentile | HSC 75 <sup>th</sup> Percentile | ATAR Scaled 75 <sup>th</sup> Percentile | HSC 50 <sup>th</sup> Percentile | ATAR Scaled 50 <sup>th</sup> Percentile | B 6/N |
|----------------------------|---------|---------------------------------|---|---------------------------------|---|---------------------------------|---|-------|
| Studies of Religion 1-unit | 0.70    | 90                              | 79.8                                    | 84                              | 69.6                                    | 78                              | 55.4                                    | 2/6   |

- Highest school mean, school mean unit ATAR value and z-score since 2015.

| Course                     | Z-Score | HSC 90 <sup>th</sup> Percentile | ATAR Scaled 90 <sup>th</sup> Percentile | HSC 75 <sup>th</sup> Percentile | ATAR Scaled 75 <sup>th</sup> Percentile | HSC 50 <sup>th</sup> Percentile | ATAR Scaled 50 <sup>th</sup> Percentile | B 6/N |
|----------------------------|---------|---------------------------------|---|---------------------------------|---|---------------------------------|---|-------|
| Studies of Religion 2-unit | 0.42    | 91                              | 80.8                                    | 86                              | 70.2                                    | 78                              | 55.8                                    | 4/19  |

- Highest state mean since 2009; school mean, mean ATAR value and z-score were below long-term averages

| Course      | Z-Score | HSC 90 <sup>th</sup> Percentile | ATAR Scaled 90 <sup>th</sup> Percentile | HSC 75 <sup>th</sup> Percentile | ATAR Scaled 75 <sup>th</sup> Percentile | HSC 50 <sup>th</sup> Percentile | ATAR Scaled 50 <sup>th</sup> Percentile | B 6/N |
|-------------|---------|---------------------------------|---|---------------------------------|---|---------------------------------|---|-------|
| Visual Arts | 0.38    | 91                              | 75                                      | 88                              | 61                                      | 83                              | 42.4                                    | 0/1   |

- Highest state mean since 2001; school mean, mean unit ATAR value and z-score were below school long-term averages.



# How did Y2024 Compare to Past HSC Results at High?

| Course             | Z-Score | HSC 90 <sup>th</sup> Percentile | ATAR Scaled 90 <sup>th</sup> Percentile | HSC 75 <sup>th</sup> Percentile | ATAR Scaled 75 <sup>th</sup> Percentile | HSC 50 <sup>th</sup> Percentile | ATAR Scaled 50 <sup>th</sup> Percentile | B 6/N |
|--------------------|---------|---------------------------------|---|---------------------------------|---|---------------------------------|---|-------|
| Chinese Continuers | 0.56    | 95                              | 85.8                                    | 93                              | 80.6                                    | 88                              | 68.8                                    | 5/6   |

- Highest state candidature since 2022; lowest state ATAR standard deviation since 2002.

| Course            | Z-Score | HSC 90 <sup>th</sup> Percentile | ATAR Scaled 90 <sup>th</sup> Percentile | HSC 75 <sup>th</sup> Percentile | ATAR Scaled 75 <sup>th</sup> Percentile | HSC 50 <sup>th</sup> Percentile | ATAR Scaled 50 <sup>th</sup> Percentile | B 6/N |
|-------------------|---------|---------------------------------|---|---------------------------------|---|---------------------------------|---|-------|
| Chinese extension | -0.19   | 94                              | 86.2                                    | 94                              | 82.8                                    | 92                              | 77.8                                    | 0/1   |

- School mean, mean ATAR unit value and z-score were below the school's long-term average.

| Course9090        | Z-Score | HSC 90 <sup>th</sup> Percentile | ATAR Scaled 90 <sup>th</sup> Percentile | HSC 75 <sup>th</sup> Percentile | ATAR Scaled 75 <sup>th</sup> Percentile | HSC 50 <sup>th</sup> Percentile | ATAR Scaled 50 <sup>th</sup> Percentile | B0/4 6/N |
|-------------------|---------|---------------------------------|---|---------------------------------|---|---------------------------------|---|----------|
| German Continuers | -0.20   | 94                              | 89.6                                    | 90                              | 81.483                                  | 83                              | 71.4                                    | 71.4     |

- Highest state mean and mean ATAR unit value and lowest HSC SD since 2001.



# How did Y2024 Compare to Past HSC Results at High?

| Course           | Z-Score | HSC 90 <sup>th</sup> Percentile | ATAR Scaled 90 <sup>th</sup> Percentile | HSC 75 <sup>th</sup> Percentile | ATAR Scaled 75 <sup>th</sup> Percentile | HSC 50 <sup>th</sup> Percentile | ATAR Scaled 50 <sup>th</sup> Percentile | B 6/N |
|------------------|---------|---------------------------------|---|---------------------------------|---|---------------------------------|---|-------|
| German Extension | -0.39   | 96                              | 91.6                                    | 94                              | 87.4                                    | 92                              | 80                                      | 0/1   |

| Course           | Z-Score | HSC 90 <sup>th</sup> Percentile | ATAR Scaled 90 <sup>th</sup> Percentile | HSC 75 <sup>th</sup> Percentile | ATAR Scaled 75 <sup>th</sup> Percentile | HSC 50 <sup>th</sup> Percentile | ATAR Scaled 50 <sup>th</sup> Percentile | B 6/N |
|------------------|---------|---------------------------------|---|---------------------------------|---|---------------------------------|---|-------|
| Latin Continuers | 0.58    | 96                              | 96.6                                    | 94                              | 92.6                                    | 91                              | 85.8                                    | 6/7   |

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





# Comparing to Statistically Similar Groups

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

That is, a comparison group of selective school students, moderated for socio- economic 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=) were above the SSSG mean.
- Scores highlighted in red (n=) were below the SSSG mean



| Course              | SBHS<br>2024 | SSSG Average<br>2024 | State Mean<br>2024 | SBHS v SSG<br>Difference |
|---------------------|--------------|----------------------|--------------------|--------------------------|
| Ancient History     | 88.5         | 86.1                 | 70                 | 2.4                      |
| Biology             | 85.2         | 85.4                 | 72                 | -0.2                     |
| Business Studies    | 89.4         | 85.6                 | 70.1               | 3.8                      |
| Chemistry           | 87.6         | 84.5                 | 73.9               | 3.1                      |
| Economics           | 85           | 84.6                 | 76                 | 0.4                      |
| Engineering Studies | 88.7         | 85                   | 73.9               | 3.7                      |
| English (Advanced)  | 86.2         | 86.5                 | 81.7               | -0.3                     |
| English Extension 1 | 89.5         | 88.3                 | 85.3               | 1.2                      |
| English Extension 2 | 77           | 86.2                 | 81.2               | -9.2                     |

| Course                  | SBHS<br>2024 | SSSG Average<br>2024 | State Mean<br>2024 | SBHS v SSSG<br>Difference |
|-------------------------|--------------|----------------------|--------------------|---------------------------|
| Geography               | 89.9         | 86                   | 71.8               | 3.9                       |
| Legal Studies           | 88.1         | 87.9                 | 73                 | 0.2                       |
| Mathematics             | 89.3         | 85.4                 | 77.3               | 3.9                       |
| Mathematics Extension 1 | 90.8         | 86.8                 | 80.8               | 4                         |
| Mathematics Extension 2 | 89.6         | 88                   | 83.5               | 1.6                       |
| Modern History          | 89.4         | 86                   | 72.4               | 3.4                       |
| PDHPE                   | 87.5         | 85.9                 | 71.8               | 1.6                       |
| Physics                 | 87.5         | 85.1                 | 73.4               | 2.4                       |
| Studies of Religion 1   | 86.3         | 82.7                 | 82.6               | 3.6                       |
| Studies of Religion II  | 82.7         | 82.9                 | 72.2               | -0.2                      |

| Course             | SBHS<br>2024 | SSSG Average<br>2024 | State Mean<br>2024 | SBHS v SSSG<br>Difference |
|--------------------|--------------|----------------------|--------------------|---------------------------|
| Software Design    | 91.4         | 86.5                 | 73.7               | 4.9                       |
| Visual Arts        | 85           | 89.8                 | 80.6               | -4.8                      |
| History Extension  | 90.4         | 88.5                 | 79.9               | 1.9                       |
| Chinese in Context | 91.2         | 91.8                 | 85.4               | -0.6                      |
| Latin Continuers   | 93.1         | 86                   | 87.7               | 7.1                       |
| Music 1            | 94           | 89.4                 | 79.5               | 4.6                       |
| Music 2            | 91.5         | 89                   | 86.2               | 2.5                       |
| Music extension    | 100          | 92.9                 | 91.2               | 7.1                       |

# Comparing Ourselves to the State Over Time

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



# Comparing Ourselves to the State Over Time

| COURSE                 | NO.    | STATE MEAN | STATE ATAR UNIT<br>VALUE SCALED | SCHOOL ATAR MEAN<br>UNIT VALUE SCALED | ATAR<br>Z-SCORE |
|------------------------|--------|------------|---------------------------------|---------------------------------------|-----------------|
| <b>Ancient History</b> |        |            |                                 |                                       |                 |
| 2024                   | 7,755  | 36.7       | 22.7                            | 34.93                                 | 1.08            |
| High                   | 12,144 | 37.5       | 25.1                            | 37.88                                 | 1.35            |
| Low                    | 6,336  | 34.9       | 23                              | 30.12                                 | 0.54            |
| LTA                    | 9,506  | 36.21      | 24.22                           | 33.66                                 | 0.96            |

| COURSE         | NO.    | STATE MEAN | STATE ATAR UNIT<br>VALUE SCALED | SCHOOL ATAR MEAN<br>UNIT VALUE SCALED | Z-SCORE |
|----------------|--------|------------|---------------------------------|---------------------------------------|---------|
| <b>Biology</b> |        |            |                                 |                                       |         |
| 2024           | 19,044 | 37.1       | 26                              | 35.83                                 | 0.95    |
| High           | 19,382 | 37.4       | 26.9                            | 37.48                                 | 1.12    |
| Low            | 12,215 | 35.2       | 25.9                            | 33.13                                 | 0.41    |
| LTA            | 16,245 | 36.58      | 26.5                            | 35.18                                 | 0.88    |



# Comparing Ourselves to the State Over Time

| COURSE                  | NO.    | STATE MEAN | ATAR UNIT<br>VALUE SCALED | SCHOOL ATAR MEAN<br>UNIT VALUE SCALED | Z-SCORE |
|-------------------------|--------|------------|---------------------------|---------------------------------------|---------|
| <b>Business Studies</b> |        |            |                           |                                       |         |
| 2024                    | 19,750 | 36.9       | 23.5                      | 36.88                                 | 1.17    |
| High                    | 19,750 | 37.4       | 24.3                      | 40.83                                 | 1.62    |
| Low                     | 14,721 | 34.7       | 23.5                      | 32.05                                 | 0.82    |
| LTA                     | 16,720 | 36.56      | 23.85                     | 36.16                                 | 1.16    |

| COURSE           | NO.    | STATE MEAN | ATAR UNIT<br>VALUE SCALED | SCHOOL ATAR MEAN<br>UNIT VALUE SCALED | Z-SCORE |
|------------------|--------|------------|---------------------------|---------------------------------------|---------|
| <b>Chemistry</b> |        |            |                           |                                       |         |
| 2024             | 9,722  | 37.3       | 31.8                      | 41.86                                 | 1.02    |
| High             | 11,173 | 38.3       | 31.8                      | 43.14                                 | 1.14    |
| Low              | 8,887  | 34.6       | 31.2                      | 38.20                                 | 0.67    |
| LTA              | 10,249 | 37.16      | 31.53                     | 40.49                                 | 0.94    |



# Comparing Ourselves to the State Over Time

| COURSE           | NO.   | STATE MEAN | ATAR UNIT<br>VALUE SCALED | SCHOOL ATAR MEAN<br>UNIT VALUE SCALED | Z-SCORE |
|------------------|-------|------------|---------------------------|---------------------------------------|---------|
| <b>Economics</b> |       |            |                           |                                       |         |
| 2024             | 5,598 | 38.9       | 31.5                      | 37.07                                 | 0.58    |
| High             | 6,136 | 39.0       | 32.2                      | 40.08                                 | 0.88    |
| Low              | 5,010 | 36.9       | 30.6                      | 35.16                                 | 0.40    |
| LTA              | 5,394 | 38.21      | 31.40                     | 37.77                                 | 0.65    |

| COURSE                     | NO.   | STATE MEAN | ATAR UNIT<br>VALUE SCALED | SCHOOL ATAR MEAN<br>UNIT VALUE SCALED | Z-SCORE |
|----------------------------|-------|------------|---------------------------|---------------------------------------|---------|
| <b>Engineering Studies</b> |       |            |                           |                                       |         |
| 2024                       | 2,508 | 37.3       | 26.1                      | 39.12                                 | 1.30    |
| High                       | 2,557 | 38.2       | 26.2                      | 40.02                                 | 1.43    |
| Low                        | 1,274 | 32.6       | 25.0                      | 32.38                                 | 0.75    |
| LTA                        | 1,888 | 37.06      | 25.68                     | 36.12                                 | 1.10    |





# Comparing Ourselves to the State Over Time

| COURSE                  | NO.    | STATE MEAN | ATAR UNIT<br>VALUE SCALED | SCHOOL ATAR MEAN<br>UNIT VALUE SCALED | Z-SCORE |
|-------------------------|--------|------------|---------------------------|---------------------------------------|---------|
| <b>English Advanced</b> |        |            |                           |                                       |         |
| 2024                    | 25,397 | 41.2       | 32.7                      | 36.94                                 | 0.52    |
| High                    | 28,066 | 41.2       | 33.2                      | 40.28                                 | 0.99    |
| Low                     | 20,123 | 38.5       | 31.2                      | 34.47                                 | 0.21    |
| LTA                     | 25,849 | 40.13      | 31.94                     | 36.83                                 | 0.60    |

| COURSE                     | NO.   | STATE MEAN | ATAR UNIT<br>VALUE SCALED | SCHOOL ATAR MEAN<br>UNIT VALUE SCALED | Z-SCORE |
|----------------------------|-------|------------|---------------------------|---------------------------------------|---------|
| <b>English Extension 1</b> |       |            |                           |                                       |         |
| 2024                       | 3,782 | 42.9       | 36.2                      | 38.20                                 | 0.32    |
| High                       | 6,282 | 42.9       | 38.4                      | 41.92                                 | 0.92    |
| Low                        | 3,415 | 38.8       | 35.4                      | 35.09                                 | -0.46   |
| LTA                        | 4,744 | 41.0       | 36.41                     | 38.26                                 | 0.29    |



# Comparing Ourselves to the State Over Time

| COURSE                     | NO.   | STATE MEAN | ATAR UNIT<br>VALUE SCALED | SCHOOL ATAR MEAN<br>UNIT VALUE SCALED | Z-SCORE |
|----------------------------|-------|------------|---------------------------|---------------------------------------|---------|
| <b>English Extension 2</b> |       |            |                           |                                       |         |
| 2024                       | 1,479 | 41.3       | 35.8                      | 30.38                                 | -0.82   |
| High                       | 2,608 | 41.6       | 38.1                      | 45.29                                 | 1.38    |
| Low                        | 1,242 | 38.1       | 35.2                      | 33.43                                 | -0.82   |
| LTA                        | 1,873 | 40.06      | 37.05                     | 37.05                                 | 0.11    |

| COURSE           | NO.   | STATE MEAN | ATAR UNIT<br>VALUE SCALED | SCHOOL ATAR MEAN<br>UNIT VALUE SCALED | Z-SCORE |
|------------------|-------|------------|---------------------------|---------------------------------------|---------|
| <b>Geography</b> |       |            |                           |                                       |         |
| 2024             | 4,661 | 37.7       | 25.4                      | 39.01                                 | 1.23    |
| High             | 6,210 | 38.6       | 26.0                      | 39.15                                 | 1.31    |
| Low              | 4,109 | 35.9       | 24.8                      | 32.52                                 | 0.75    |
| LTA              | 4,594 | 37.48      | 25.38                     | 36.27                                 | 1.02    |



# Comparing Ourselves to the State Over Time

| COURSE               | NO.    | STATE MEAN | ATAR UNIT<br>VALUE SCALED | SCHOOL ATAR MEAN<br>UNIT VALUE SCALED | Z-SCORE |
|----------------------|--------|------------|---------------------------|---------------------------------------|---------|
| <b>Legal Studies</b> |        |            |                           |                                       |         |
| 2024                 | 10,209 | 38         | 25                        | 35.71                                 | 0.96    |
| High                 | 10,797 | 38.2       | 25.7                      | 38.62                                 | 1.31    |
| Low                  | 7,523  | 33.1       | 24.9                      | 29.82                                 | 0.44    |
| LTA                  | 9,394  | 37.13      | 25.23                     | 35.27                                 | 0.94    |

| COURSE                  | NO.    | STATE MEAN | ATAR UNIT<br>VALUE SCALED | SCHOOL ATAR MEAN<br>UNIT VALUE SCALED | Z-SCORE |
|-------------------------|--------|------------|---------------------------|---------------------------------------|---------|
| <b>Mathematics Adv.</b> |        |            |                           |                                       |         |
| 2024                    | 16,559 | 39.4       | 32                        | 40.08                                 | 0.90    |
| High                    | 20,799 | 39.8       | 32                        | 40.54                                 | 1.02    |
| Low                     | 16,139 | 36.2       | 29.8                      | 34.81                                 | 0.53    |
| LTA                     | 17,569 | 38.4       | 30.84                     | 38.79                                 | 0.83    |



# Comparing Ourselves to the State Over Time

| COURSE                         | NO.   | STATE MEAN | ATAR UNIT<br>VALUE SCALED | SCHOOL ATAR MEAN<br>UNIT VALUE SCALED | Z-SCORE |
|--------------------------------|-------|------------|---------------------------|---------------------------------------|---------|
| <b>Mathematics Extension 1</b> |       |            |                           |                                       |         |
| 2024                           | 8,679 | 39         | 40                        | 43.78                                 | 0.49    |
| High                           | 9,955 | 41.0       | 40.1                      | 44.75                                 | 0.83    |
| Low                            | 6,240 | 36.6       | 37.6                      | 41.34                                 | 0.41    |
| LTA                            | 8,810 | 39.65      | 39.44                     | 43.47                                 | 0.57    |

| COURSE                         | NO.   | STATE MEAN | ATAR UNIT<br>VALUE SCALED | SCHOOL ATAR MEAN<br>UNIT VALUE SCALED | Z-SCORE |
|--------------------------------|-------|------------|---------------------------|---------------------------------------|---------|
| <b>Mathematics Extension 2</b> |       |            |                           |                                       |         |
| 2024                           | 3,271 | 40.9       | 44.2                      | 46.11                                 | 0.38    |
| High                           | 3,512 | 41.9       | 44.7                      | 46.71                                 | 0.70    |
| Low                            | 2,578 | 39.7       | 42.7                      | 44.84                                 | 0.22    |
| LTA                            | 3,218 | 40.99      | 43.62                     | 45.81                                 | 0.46    |



# Comparing Ourselves to the State Over Time

| COURSE                | NO.    | STATE MEAN | ATAR UNIT<br>VALUE SCALED | SCHOOL ATAR MEAN<br>UNIT VALUE SCALED | Z-SCORE |
|-----------------------|--------|------------|---------------------------|---------------------------------------|---------|
| <b>Modern History</b> |        |            |                           |                                       |         |
| 2024                  | 10,153 | 37         | 25.4                      | 35.16                                 | 0.90    |
| High                  | 11,329 | 38.6       | 27.6                      | 38.51                                 | 1.11    |
| Low                   | 8,751  | 36.5       | 25.5                      | 32.07                                 | 0.48    |
| LTA                   | 10,159 | 37.57      | 26.65                     | 35.94                                 | 0.86    |

| COURSE                   | NO.   | STATE MEAN | ATAR UNIT<br>VALUE SCALED | SCHOOL ATAR MEAN<br>UNIT VALUE SCALED | Z-SCORE |
|--------------------------|-------|------------|---------------------------|---------------------------------------|---------|
| <b>History Extension</b> |       |            |                           |                                       |         |
| 2024                     | 1,532 | 39.9       | 33.6                      | 36.08                                 | 0.34    |
| High                     | 2,397 | 42.7       | 35.2                      | 40.83                                 | 0.96    |
| Low                      | 1,524 | 34.6       | 33.6                      | 33.02                                 | -0.26   |
| LTA                      | 1,991 | 38.33      | 34.10                     | 37.30                                 | 0.48    |



# Comparing Ourselves to the State Over Time

| COURSE                | NO.   | STATE MEAN | ATAR UNIT<br>VALUE SCALED | SCHOOL ATAR MEAN<br>UNIT VALUE SCALED | Z-SCORE |
|-----------------------|-------|------------|---------------------------|---------------------------------------|---------|
| <b>Music 1 2 unit</b> |       |            |                           |                                       |         |
| 2024                  | 4,263 | 41.2       | 21.4                      | 33.69                                 | 1.16    |
| High                  | 5,126 | 41.2       | 22.8                      | 41.46                                 | 1.92    |
| Low                   | 3,555 | 37.2       | 21.1                      | 26.07                                 | 0.37    |
| LTA                   | 4,528 | 40.04      | 21.78                     | 33.37                                 | 1.12    |

| COURSE              | NO. | STATE MEAN | ATAR UNIT<br>VALUE SCALED | SCHOOL ATAR MEAN<br>UNIT VALUE SCALED | Z-SCORE |
|---------------------|-----|------------|---------------------------|---------------------------------------|---------|
| <b>Music 2 Unit</b> |     |            |                           |                                       |         |
| 2024                | 684 | 43.4       | 34.2                      | 42.61                                 | 1.03    |
| High                | 850 | 44.0       | 34.4                      | 43.68                                 | 1.37    |
| Low                 | 539 | 40.9       | 32.1                      | 31.93                                 | -0.05   |
| LTA                 | 689 | 42.87      | 33.41                     | 39.13                                 | 0.71    |



# Comparing Ourselves to the State Over Time

| COURSE                 | NO. | STATE MEAN | ATAR UNIT<br>VALUE SCALED | SCHOOL ATAR MEAN<br>UNIT VALUE SCALED | Z-SCORE |
|------------------------|-----|------------|---------------------------|---------------------------------------|---------|
| <b>Music Extension</b> |     |            |                           |                                       |         |
| 2024                   | 353 | 46.1       | 36.6                      | 39.97                                 | 0.37    |
| High                   | 504 | 46.2       | 36.6                      | 45.28                                 | 1.25    |
| Low                    | 332 | 41.7       | 33.9                      | 31.85                                 | -0.49   |
| LTA                    | 421 | 44.46      | 35.23                     | 40.90                                 | 0.665   |

| COURSE       | NO.    | STATE MEAN | ATAR UNIT<br>VALUE SCALED | SCHOOL ATAR MEAN<br>UNIT VALUE SCALED | Z-SCORE |
|--------------|--------|------------|---------------------------|---------------------------------------|---------|
| <b>PDHPE</b> |        |            |                           |                                       |         |
| 2024         | 15,883 | 38.6       | 22.8                      | 28.77                                 | 0.57    |
| High         | 16,482 | 37.7       | 23.7                      | 38.74                                 | 1.50    |
| Low          | 9,284  | 33.7       | 22.7                      | 29.54                                 | 0.57    |
| LTA          | 13,671 | 36.17      | 23.14                     | 34.04                                 | 1.03    |



# Comparing Ourselves to the State Over Time

| COURSE         | NO.    | STATE MEAN | ATAR UNIT<br>VALUE SCALED | SCHOOL ATAR MEAN<br>UNIT VALUE SCALED | Z-SCORE |
|----------------|--------|------------|---------------------------|---------------------------------------|---------|
| <b>Physics</b> |        |            |                           |                                       |         |
| 2024           | 7,633  | 37.4       | 30.9                      | 39.17                                 | 0.80    |
| High           | 10,158 | 37.9       | 30.9                      | 41.18                                 | 1.11    |
| Low            | 7,633  | 34.5       | 30.1                      | 36.94                                 | 0.70    |
| LTA            | 9,111  | 36.95      | 30.46                     | 39.11                                 | 0.89    |





# Comparing Ourselves to the State Over Time

| COURSE                 | NO.   | STATE MEAN | ATAR UNIT<br>VALUE SCALED | SCHOOL ATAR MEAN<br>UNIT VALUE SCALED | Z-SCORE |
|------------------------|-------|------------|---------------------------|---------------------------------------|---------|
| <b>Software Design</b> |       |            |                           |                                       |         |
| 2024                   | 1,806 | 37.4       | 26.8                      | 41.60                                 | 1.35    |
| High                   | 3,666 | 37.9       | 26.1                      | 39.10                                 | 1.45    |
| Low                    | 1,608 | 32.8       | 26.8                      | 30.53                                 | 0.48    |
| LTA                    | 2,043 | 36.68      | 24.83                     | 36.75                                 | 1.16    |

| COURSE                            | NO.   | STATE MEAN | ATAR UNIT<br>VALUE SCALED | SCHOOL ATAR MEAN<br>UNIT VALUE SCALED | Z-SCORE |
|-----------------------------------|-------|------------|---------------------------|---------------------------------------|---------|
| <b>Studies of Religion 1 Unit</b> |       |            |                           |                                       |         |
| 2024                              | 8,433 | 38.4       | 27.3                      | 33.11                                 | 0.63    |
| High                              | 9,950 | 39.2       | 28.1                      | 36.95                                 | 1.06    |
| Low                               | 8,129 | 37.6       | 27.1                      | 28.76                                 | 0.06    |
| LTA                               | 9,019 | 38.4       | 27.65                     | 31.66                                 | 0.46    |



# Comparing Ourselves to the State Over Time

| COURSE                            | NO.   | STATE MEAN | ATAR UNIT<br>VALUE SCALED | SCHOOL ATAR MEAN<br>UNIT VALUE SCALED | Z-SCORE |
|-----------------------------------|-------|------------|---------------------------|---------------------------------------|---------|
| <b>Studies of Religion 2 Unit</b> |       |            |                           |                                       |         |
| 2024                              | 6,091 | 38.6       | 27.1                      | 29.90                                 | 0.27    |
| High                              | 6,280 | 39.4       | 27.8                      | 39.89                                 | 1.26    |
| Low                               | 3,554 | 37.3       | 26.6                      | 29.90                                 | 0.36    |
| LTA                               | 5,413 | 38.20      | 27.34                     | 33.01                                 | 0.57    |

| COURSE             | NO.   | STATE MEAN | ATAR UNIT<br>VALUE SCALED | SCHOOL ATAR MEAN<br>UNIT VALUE SCALED | Z-SCORE |
|--------------------|-------|------------|---------------------------|---------------------------------------|---------|
| <b>Visual Arts</b> |       |            |                           |                                       |         |
| 2024               | 8,177 | 40.9       | 22.1                      | 33.31                                 | 1.01    |
| High               | 9,717 | 40.9       | 23.5                      | 41.50                                 | 1.76    |
| Low                | 8,177 | 36.1       | 21.9                      | 26.04                                 | 0.35    |
| LTA                | 9,026 | 39.74      | 22.65                     | 32.16                                 | 0.88    |



# Comparing Ourselves to the State Over Time

| COURSE                    | NO. | STATE MEAN | ATAR UNIT<br>VALUE SCALED | SCHOOL ATAR MEAN<br>UNIT VALUE SCALED | Z-SCORE |
|---------------------------|-----|------------|---------------------------|---------------------------------------|---------|
| <b>Chinese Continuers</b> |     |            |                           |                                       |         |
| 2024                      | 283 | 43         | 33.1                      | 37.92                                 | 0.56    |
| High                      | 283 | 43.4       | 34                        | 41.63                                 | 1.01    |
| Low                       | 75  | 40.4       | 31                        | 35.87                                 | 0.37    |
| LTA                       | 119 | 42.41      | 32.48                     | 39.29                                 | 0.69    |

| COURSE                  | NO. | STATE MEAN | ATAR UNIT<br>VALUE SCALED | SCHOOL ATAR MEAN<br>UNIT VALUE SCALED | Z-SCORE |
|-------------------------|-----|------------|---------------------------|---------------------------------------|---------|
| <b>Latin Continuers</b> |     |            |                           |                                       |         |
| 2024                    | 141 | 42.3       | 39.9                      | 43.32                                 | 0.48    |
| High                    | 217 | 46.1       | 41.1                      | 48.07                                 | 1.26    |
| Low                     | 131 | 42.3       | 39.2                      | 32.83                                 | -1.57   |
| LTA                     | 166 | 44.21      | 40.17                     | 40.33                                 | 0.02    |



# Which University SBHS Students Attend

| Course              | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | Average |
|---------------------|------|------|------|------|------|------|------|------|------|------|---------|
| New South Wales     | 145  | 127  | 147  | 137  | 131  | 149  | 157  | 147  | 136  | 113  | 139     |
| Sydney              | 25   | 38   | 27   | 38   | 44   | 30   | 27   | 25   | 41   | 48   | 35      |
| UTS                 | 3    | 13   | 7    | 11   | 12   | 11   | 6    | 14   | 13   | 12   | 11      |
| Macquarie           | 6    | 6    | 8    | 6    | 10   | 7    | 4    | 6    | 6    | 9    | 7       |
| Western Sydney      | 8    | 11   | 9    | 3    | 3    | 3    | 4    | 12   | 6    | 7    | 6       |
| Newcastle           | 0    | 2    | 0    | 1    | 2    | 2    | 3    | 0    | 1    | 4    | 2       |
| ANU                 | 7    | 5    | 4    | 5    | 3    | 0    | 1    | 1    | 0    | 3    | 3       |
| Australian Catholic | 4    | 1    | 1    | 6    | 5    | 5    | 1    | 2    | 1    | 3    | 3       |
| Wollongong          | 2    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 0    | 1    | 1       |
| Total               | 205  | 205  | 205  | 207  | 214  | 210  | 205  | 209  | 208  | 208  | 208     |



# University Courses SBHS Students Study

| Course                | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 10yr mean |
|-----------------------|------|------|------|------|------|------|------|------|------|------|-----------|
| Commercial            | 64   | 54   | 50   | 56   | 47   | 62   | 56   | 50   | 50   | 67   | 55        |
| Engineering           | 39   | 53   | 44   | 43   | 35   | 33   | 30   | 51   | 46   | 46   | 42        |
| Health Sciences       | 46   | 32   | 36   | 28   | 34   | 41   | 32   | 31   | 40   | 25   | 28        |
| Science               | 11   | 26   | 10   | 35   | 32   | 26   | 24   | 18   | 12   | 14   | 21        |
| Law/ combined         | 24   | 20   | 27   | 12   | 25   | 21   | 24   | 19   | 18   | 22   | 21        |
| IT/ Computing         | 6    | 5    | 16   | 15   | 22   | 14   | 22   | 23   | 27   | 20   | 17        |
| Arts/ Combined        | 5    | 9    | 5    | 6    | 8    | 4    | 0    | 4    | 3    | 8    | 6         |
| Design /Bldg          | 0    | 4    | 6    | 7    | 5    | 4    | 6    | 6    | 6    | 1    | 5         |
| International Studies | 1    | 3    | 4    | 1    | 1    | 3    | 3    | 1    | 1    | 1    | 2         |
| Education             | 0    | 0    | 2    | 1    | 2    | 0    | 1    | 4    | 3    | 0    | 2         |





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**Thank you.**