

## SENIOR SECONDARY OUTCOMES

### The Record of School Achievement (RoSA)

#### Stage 5

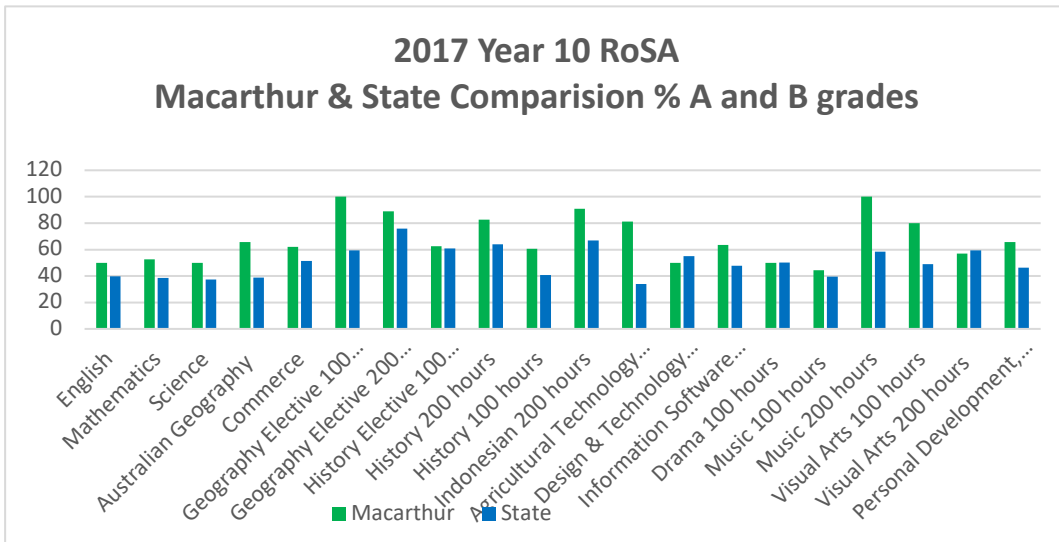
In 2017, 76 students satisfied the requirements of the Stage 5 RoSA. A number of Stage 5 200 hour subjects were re-introduced including Geography Elective, History Elective 200 hours and Visual Arts 200 hours. The 100 hour Stage 5 Drama hour was completed for the first time in 2017.

Students in the vast majority of subjects achieved a higher percentage of combine A and B grades compared to the State. There were some outstanding results, notably Isaiah Kezelos, Shivani Mistri and Caitlin Sendt who achieved 'A' grades in every subject.

**Table 1**

<b>2017 Stage 5 School versus State Grading Comparison – % 'A' &amp; 'B' Grades</b>				
<b>Subject</b>	A grades		B grades	
	<b>Macarthur</b>	<b>State</b>	<b>Macarthur</b>	<b>State</b>
English	26.32	12.08	23.68	27.72
Mathematics	15.79	15.18	36.84	23.33
Science	18.42	13.12	31.58	24.3
Australian Geography	21.05	12.89	44.74	26.04
Commerce	27.03	17.83	35.14	33.7
Geography Elective 100 hours	70	24.38	30	34.96
Geography Elective 200 hours	44.44	43.51	44.44	32.34
History Elective 100 hours	33.33	25.69	29.17	35.19
History 200 hours	34.48	32.52	48.28	31.54
History 100 hours	23.68	13.57	36.84	27.22
Indonesian 200 hours	54.55	34.32	36.36	32.63
Agricultural Technology 100 hours	31.25	9.66	50	24.4
Design & Technology 100 hours	12.5	23.44	37.5	31.51
Information Software Technology 100 hours	27.27	17.56	36.36	30.23
Drama 100 hours	16.67	17.88	33.33	32.26
Music 100 hours	22.22	12.4	22.22	27.1
Music 200 hours	100	25.98	0	32.49
Visual Arts 100 hours	30	17.34	50	31.71
Visual Arts 200 hours	14.29	26.23	42.8	33.07
Personal Development, Health, PE 200 hours	21.05	13.31	44.74	32.91

**Graph I**



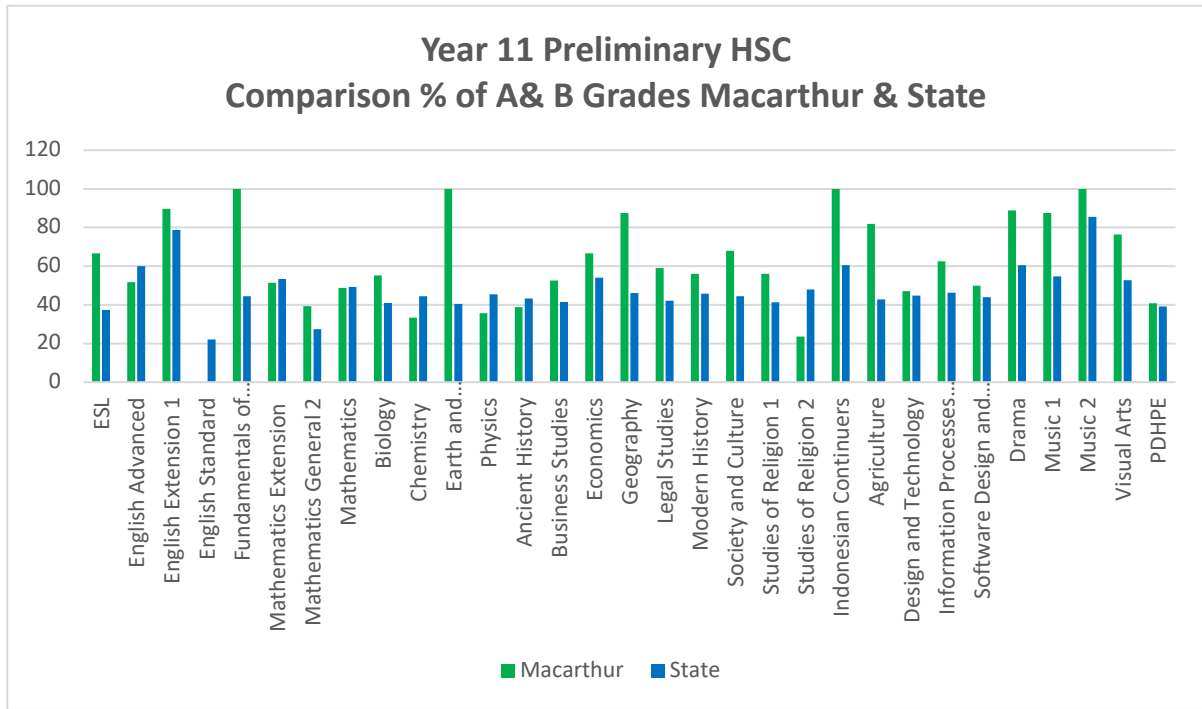
## Preliminary HSC

In 2017, 106 students satisfied the requirements of the Preliminary HSC. An additional student completed Mathematics and Mathematics Extension as an accelerant. The Preliminary results indicated that most subjects have a higher percentage of A and B grades compared to the State (see graph 2). Taylor Drayton and Kate House achieved 'A' grades in every subject.

Table 2

<b>2017 Preliminary HSC School vs State Grading Comparison – % 'A' &amp; 'B' Grades</b>				
<b>Subject</b>	<b>A grades</b>		<b>B grades</b>	
	<b>Macarthur</b>	<b>State</b>	<b>Macarthur</b>	<b>State</b>
ESL	22.22	9.69	44.44	27.59
English Advanced	18.39	18.9	33.33	41.11
English Extension I	48.28	36.93	41.38	41.76
English Standard	0	2.94	0	19.10
Fundamentals of English	25	9.19	75	35.26
Mathematics Extension	20	26.21	31.34	27.18
Mathematics General 2	10.71	7.09	28.57	20.31
Mathematics	24.49	24.16	24.29	25.12
Biology	17.24	12.54	37.93	28.41
Chemistry	9.52	16.64	23.81	27.74
Earth and Environmental Science	50	12.44	50	28.1
Physics	7.14	16.23	28.57	29.22
Ancient History	11.11	15.88	27.78	27.44
Business Studies	13.16	13.18	39.47	28.37
Economics	22.22	21.55	44.44	32.51
Geography	43.75	16.76	43.75	29.42
Legal Studies	18.18	15.18	40.91	27.03
Modern History	14.63	16.9	41.46	28.92
Society and Culture	28	15.06	40	29.47
Studies of Religion I	16	13.19	40	28.09
Studies of Religion 2	5.88	16.62	17.65	31.29
Indonesian Continuers	100	34.57	0	25.93
Agriculture	36.36	16.45	45.45	26.31
Design and Technology	17.65	15.4	29.41	29.35
Information Processes Technology	25	15.85	37.5	30.39
Software Design and Development	25	17.97	25	25.97
Drama	66.67	24.55	22.22	35.95
Music I	12.5	18.58	75	36.08
Music 2	50	50.55	50	35.02
Visual Arts	29.41	20.20	47.06	32.59
PDHPE	25.93	12.12	14.81	26.97

**Graph 2**



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## The Higher School Certificate

In 2017, Macarthur Anglican School presented 73 students for the Higher School Certificate. Of this group, 33(45%) were boys and 40 (55%) were girls. Thirty-four subjects were presented at Macarthur in 2017. No subjects were studied externally in 2017. All students fulfilled the requirements to gain a Higher School Certificate and an Australian Tertiary Admission Rank (ATAR). The School did not present any subjects that could not be used for the purpose of gaining an ATAR.

20% of students who presented for the HSC in 2017 attained ATARs of 90 and over with 7% of students gaining ATARs of 98 and above. 33% of students gained an ATAR of 85 and over and 53% achieved an ATAR of 75 and over. 81% of students achieved an ATAR of 60 and above which was a much greater percentage of students than previous years. 32% of students recognised as Distinguished Achievers for attaining Band 6 or E4 results and 82% of students gained Band 5 or E3 results. Of the 73 students who sat the HSC, 60 Distinguished Achievement results were recorded on the HSC Honour Roll.

Three students were presented with an All Rounder Award for achieving Band 6 results for ten units.

<b>Table 3</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>
Students who achieved a Band 6 result	32%	43%	39%	35%	32%
Students who achieved a Band 5 result	75%	82%	83%	75%	82%

The 2017 Dux of the School, Noah Gray achieving an ATAR of 99.35. Julia Kocic (ATAR 99.25) achieved 1<sup>st</sup> in the State in both Indonesian Continuers and Indonesian Extension. Kaitlin Taylor (ATAR 99.05) achieved 3<sup>rd</sup> in the State in Indonesian Continuers and 2<sup>nd</sup> in the State in Indonesian Extension. Stephanie Hennings (ATAR 95) achieved 7<sup>th</sup> in the State in Geography. Julia and Kaitlin, along with Cate Ward (ATAR 99) have been recognised as 'All Rounders' for attaining Band 6/E4 results in at least 10 units.

Mean, Median, Highest Year 12 ATAR Results

<b>Table 4</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>
Mean	72.7	75.41	75.29	72.9	75.59
Median	75	76.90	79	74.3	76.25
Highest	99.1	99.30	99.1	98.15	99.35

The 2017 Mean of the Year 12 ATAR results was similar to 2015 and the best mean on the past 10 years. The Median was also high and was the fourth highest in the past 10 years. The highest ATAR of 98.35 was the highest ATAR achieved in the past 10 years. This was the first time that 4 students achieved an ATAR of 99 and above,

## Variation from State Mean

For the vast majority of subjects, the results are well above the State Average with Software Design and Development, Ancient History, Chemistry, Information Processes and Technology, Society and Culture, Physics and Agriculture leading the field.

Macarthur was ranked 114 overall out of all schools which had candidates sit the HSC in 2017 and was the top scoring school in the region

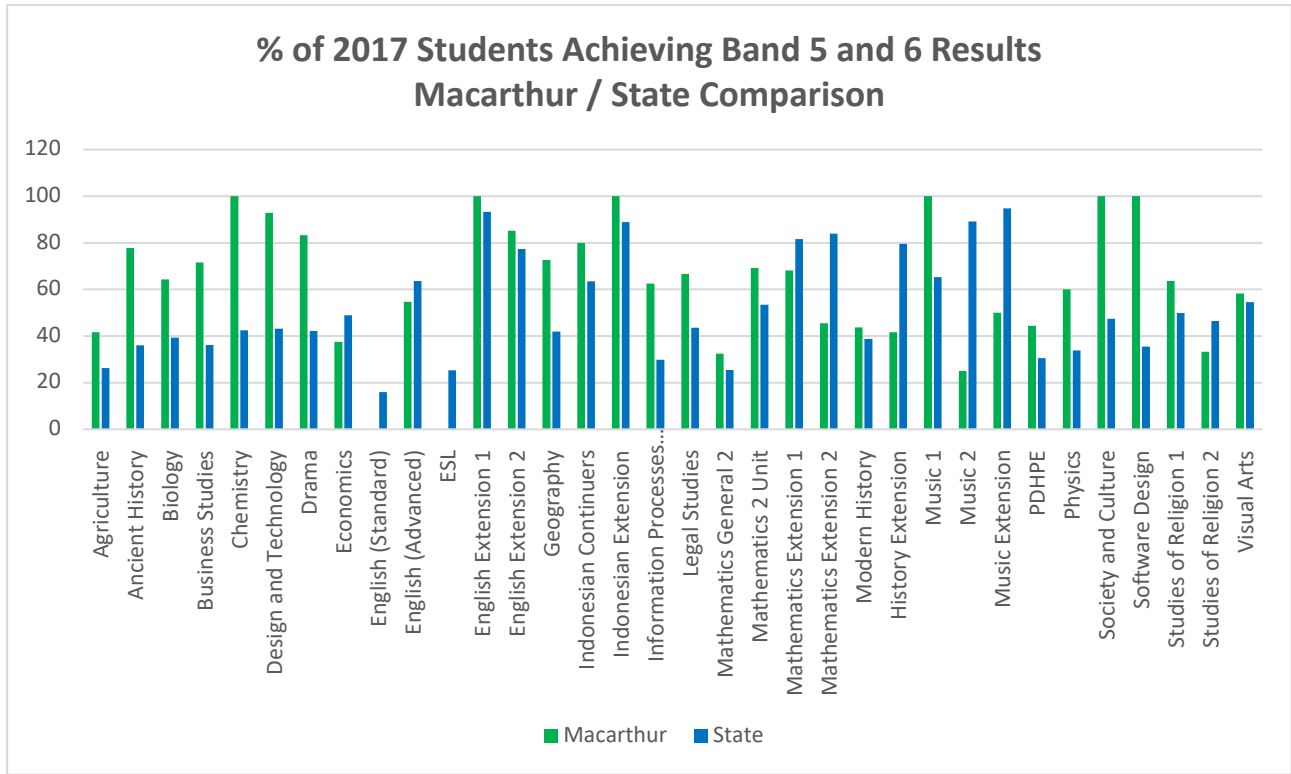
## Highest Mark Achieved by Macarthur Students per Subject and Comparison of 2017 Band 5 and 6 Results Compared to the State

In 2017, students achieved a Band 6 result in most subjects. Students achieved an HSC mark of 95 or more in Geography, Indonesian Continuers, Mathematics General 2, Mathematics Extension 1 and 45 or more in English Extension 1 and English Extension 2, Indonesian Extension and Studies of Religion 1.

The percentage of Macarthur students who achieved Band 5 and 6 results exceeded the State in the vast majority of subjects. There were greater numbers of students attaining Band 5 and 6 results in 2017.

Table 5 Subject	Highest HSC mark achieved by Macarthur Student		% Band 5 & 6 results at Macarthur		% Band 5 & 6 results in State	
	2016	2017	2016	2017	2016	2017
Agriculture	80	88	25	41.66	30.85	26.21
Ancient History	91	90	33.33	77.77	30.68	35.98
Biology	85	94	28.57	64.28	35.11	39.28
Business Studies	90	92	35	71.52	34.33	36.14
Chemistry	81	94	33.33	100	40.94	42.41
Design and Technology	88	91	40	92.84	40.8	43.2
Drama	96	91	37.5	83.32	42.59	42.13
Earth & Environmental Science	73	N/A	0	N/A	34.38	N/A
Economics	93	87	87.5	37.5	45.2	48.98
English (Standard)	64	74	0	0	13.39	15.91
English (Advanced)	94	93	57.68	54.68	61.92	63.64
ESL	81	74	33.33	0	27.03	25.25
English Extension 1	47	47	100	100	94.94	93.27
English Extension 2	48	48	100	85.17	79.35	77.38
Geography	93	96	81.81	72.72	40.93	41.9
Indonesian Continuers	95	96	66.66	80	47.5	63.5
Indonesian Extension	42	49	100	100	79.99	88.88
Information Processes Technology	90	87	60	62.5	27.71	29.84
Legal Studies	93	91	57.13	66.66	42.27	43.61
Mathematics General 2	95	95	33.32	32.5	25.63	25.49
Mathematics 2 Unit	91	90	53.84	69.22	52.51	53.48
Mathematics Extension 1	97	98	76.91	68.17	79.37	81.6
Mathematics Extension 2	88	90	80	45.45	85.34	84
Modern History	90	94	31.57	43.75	40.84	38.82
History Extension	44	43	100	41.66	80.59	79.62
Music 1	88	91	100	100	62.74	65.22
Music 2	83	84	50	25	89.53	89.16
Music Extension	39	38	100	50	93.59	94.86
PDHPE	90	88	50	44.44	34.41	30.56
Physics	87	94	75	60	29.94	33.8
Society and Culture	96	94	100	100	48.18	47.48
Software Design Development	92	93	66.66	100	33.32	35.46
Studies of Religion 1	46	46	60	63.63	49.92	49.87
Studies of Religion 2	90	84	50	33.33	47.94	46.47
Visual Arts	94	85	81.81	58.33	54.38	54.57

**Graph 3**



## ATAR Distribution

- In the 90-100 bands of the distribution there was a smaller percentage of boys, 15.2%, than girls, 22.5% {31.0% boys, 16.1% girls}.
- In the 80-90 bands of the distribution there was a greater percentage of boys, 27.3% than girls, 20.0% {13.8% boys, 25.8% girls}.
- In the tail of the distribution there was a greater percentage of boys, 9.1% than girls, 5.0% {20.7% boys, 12.9% girls}.
- In 2017 girls achieved a higher mean UniScore of 76.59 {73.49} than boys, 74.39 {72.28}.

<b>Graph 4</b>	Male	Female	Total
2017			
Number	33	30	73
Mean Uniscore	74.39	76.59	75.59
Std Dev	15.94	15.43	15.59
Max Uniscore	99.35	99.25	99.35
Min Uniscore	41.80	38.05	38.05
Median Uniscore	75.75	78.25	76.25



## Initiatives for Year 12 students

During 2017 a variety of strategies were implemented and refined in an attempt to support students to achieve their best:

- Students of Years 11 and 12 attended an HSC Study Skills and Time Management seminar in which strategies were presented to help students better prepare for the HSC. The Head of Senior School and Dean of Studies explained the assessment, examination and scaling process to parents and students in Years 11 and 12 early in 2017.
- Students were able to apply for a Study Coach to work closely with them, helping motivate them, assisting them with time management and study strategies for tests and examinations.
- Students were provided with additional time to focus on their studies as well as a range of study skills and strategies to help them with their examinations. In Autumn Term, students who did not wish to pursue representative sport were able to attend various subject-based tutorials offered on a rotational basis by their Year 12 teachers or participate in private study in the School Library. Comments by students indicated that the time for additional study and having tutorials was valuable. Students completing practical subjects also benefited from having increased time to work on their major projects with teacher support.
- Motivational speakers and experts in time management and study skills provided students with a wide range of useful strategies prior to their Trial examinations.
- An HSC study camp (Champ Camp) was placed in the first week of the student vacation period leading up to the HSC. Students worked for 10 hours each day. This gave them an excellent foundation for the following 2.5 weeks before their examinations and many students continued to use the Library facility in the lead-up to the HSC. Teachers made themselves available to Year 12 students during their HSC examination period for one-on-one and small group tutoring as needed.
- An after school three-hour Senior Study Support Programme was offered to students. In 2016, this was offered three times per week. This was beneficial to those students who attended. Interviewing of students by the Headmaster and Dean of Studies in Autumn and Winter Terms also provided timely intervention and encouragement to those who needed it. In addition, the Head of Senior School attended to the individual needs of many HSC students on both pastoral and academic matters. In practice, this has meant that opportunities to improve study skills, essay writing skills and analyse tertiary options has been available to students to a greater level, enabling students to capture a vision for their future and work towards it accordingly.
- A significant number of staff continue to be involved at all levels in the HSC process – assessing HSC examinations, marking and being involved in the standards setting process as judges. The

importance of staff being involved in these activities cannot be overstated. These staff members and others have gained invaluable insights from which Macarthur students benefit directly.

- Macarthur Anglican School continues to have its HSC results analysed by Academic Profiles. This analysis along with RAP data analysis, continues to be seen by Faculty Heads as facilitating positive change. The Head of Senior School and Dean of Studies have been able to repeatedly use this data to advise students about subject choice (including the selection of Extension subjects) and the value or otherwise of retaining 12 units

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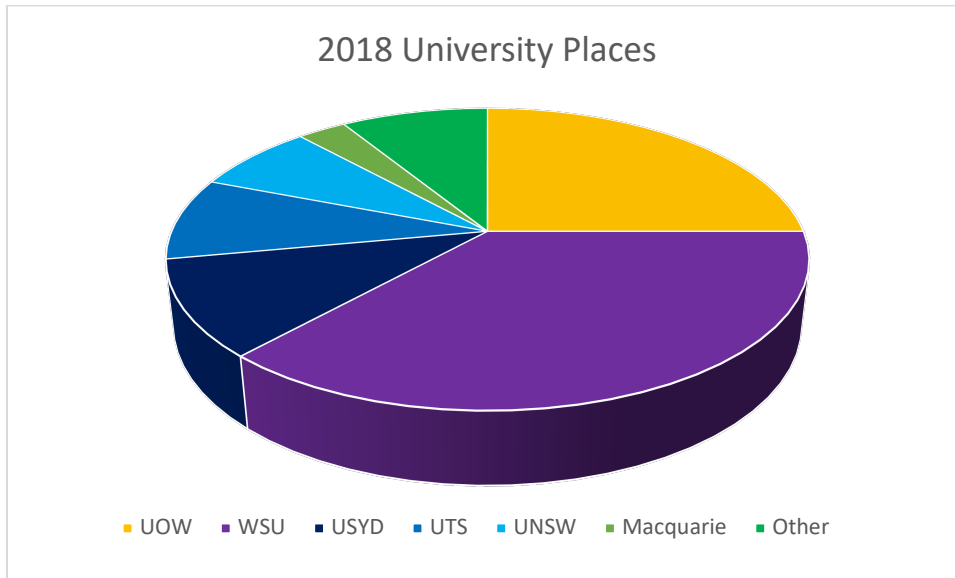
## Year 12 Students Undertaking the NSW Higher School Certificate

A total of 73 students completed their senior secondary education at Macarthur in 2017, with 100% of the group successfully being awarded the Higher School Certificate.

This information is also available on the My School website at: <http://www.myschool.edu.au>

## Post School Pathways

70 of the 73 Year 12 students applied for an ATAR. Of these, 68 students (97%) received university offers and 85% received an early round offer. 37% at the Western Sydney University, 25% of students have enrolled at University of Wollongong, 10% at the University of Sydney, 9% at University of Technology Sydney, 7% at the University of NSW, 3% at Macquarie University and 9% at other institutions. Refer pie chart below.



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