



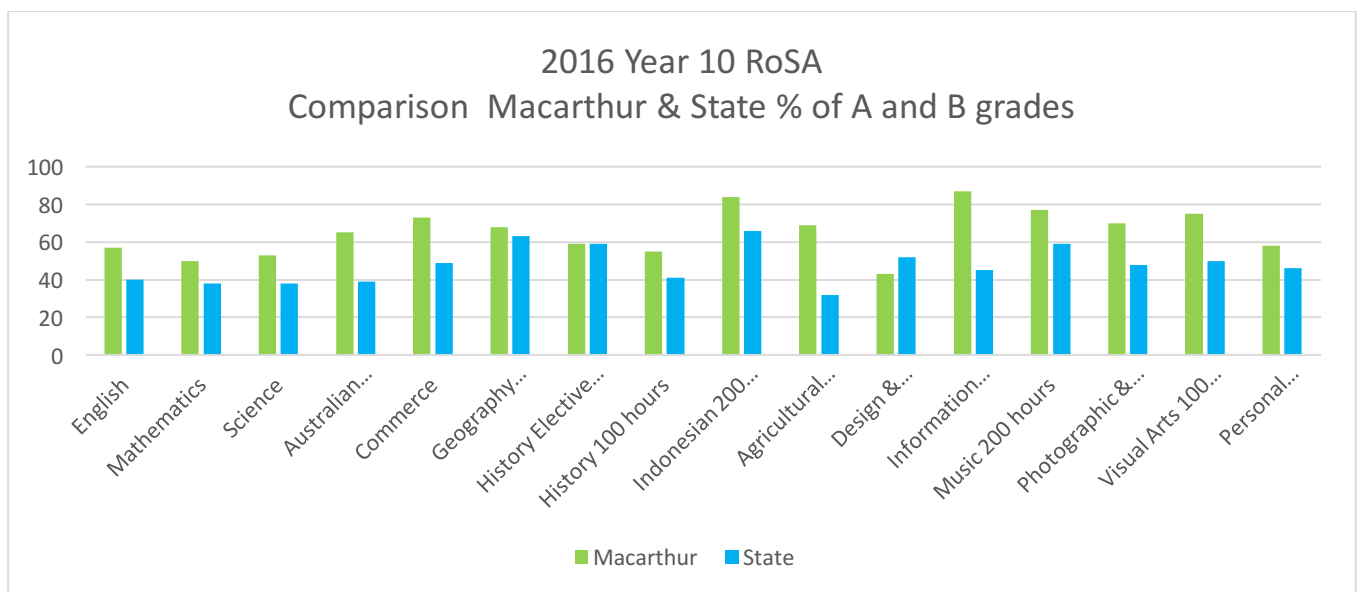
## SENIOR SECONDARY OUTCOMES

### The Record of School Achievement (RoSA)

#### Stage 5

In 2016, 99 students satisfied the requirements of the Stage 5 RoSA. The RoSA results were pleasing with all subjects except Design and Technology having a greater percentage of A and B grades compared to the State. There were some outstanding results, notably Mia Abdy, Sophie Frankum, Kate House, and James Stelzer who achieved 'A' grades in every subject.

2015 Stage 5 School versus State Grading Comparison – % 'A' & 'B' Grades				
Subject	A grades		B grades	
	Macarthur	State	Macarthur	State
English	22	12	35	28
Mathematics	17	15	33	23
Science	19	13	34	25
Australian Geography	25	13	40	26
Commerce	46	17	27	32
Geography Elective 100 hours	34	31	34	32
History Elective 100 hours	23	27	36	32
History 100 hours	21	14	34	27
Indonesian 200 hours	61	40	23	26
Agricultural Technology 100 hours	37	11	32	21
Design & Technology 100 hours	11	22	32	30
Information Software Technology 100 hours	37	18	50	27
Music 200 hours	24	26	53	33
Photographic & Digital Media 100 hours	30	18	40	30
Visual Arts 100 hours	22	18	53	32
Personal Development, Health, PE 200 hours	19	13	39	33





# MACARTHUR ANGLICAN SCHOOL

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## Preliminary HSC

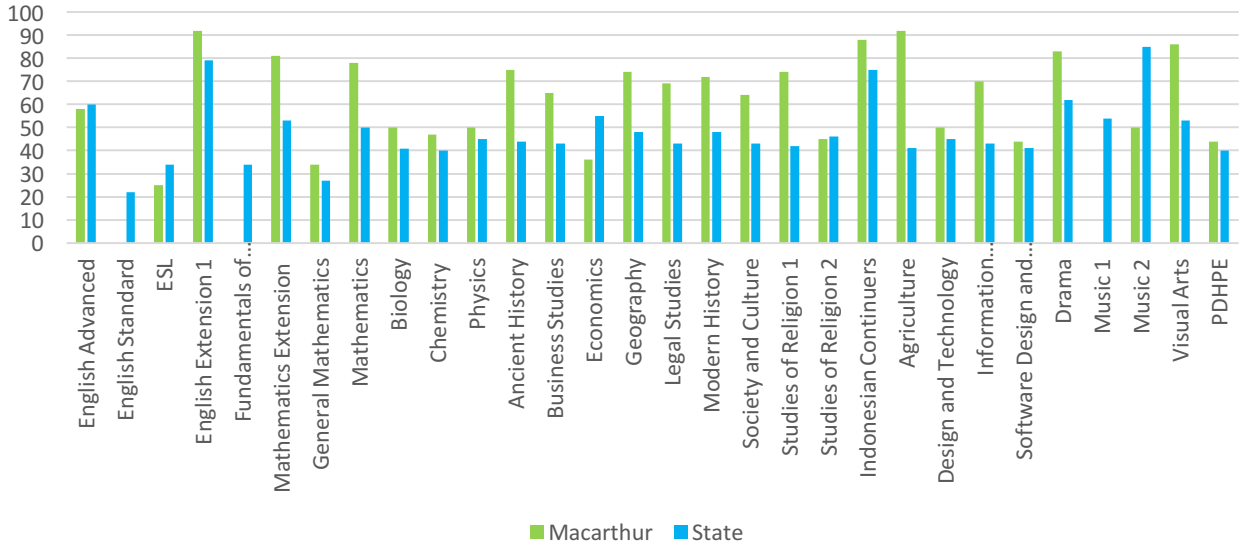
In 2016, 77 students satisfied the requirements of the Preliminary HSC. An additional two student completed Mathematics and Mathematics Extension as accelerants. The Preliminary results indicated that most subjects have a higher percentage of A and B grades compared to the State (see graph below). Julia Kocic and Cate Ward achieved 'A' grades in every subject.

**2016 Preliminary HSC School vs State Grading Comparison – % 'A' & 'B' Grades**

Subject	A grades		B grades	
	Macarthur	State	Macarthur	State
English Advanced	27	18	31	42
English Standard	0	3	0	19
ESL	0	8	25	26
English Extension I	50	36	42	43
Fundamentals of English	0	7	0	27
Mathematics Extension	31	26	50	27
General Mathematics	9	8	25	19
Mathematics	34	25	44	25
Biology	20	12.95	30	28
Chemistry	18	13	29	27
Physics	25	17	25	28
Ancient History	50	16	25	28
Business Studies	12	14	53	29
Economics	9	22	27	33
Geography	47	18	27	30
Legal Studies	31	16	38	27
Modern History	29	18	43	30
Society and Culture	29	15	35	28
Studies of Religion I	26	14	48	28
Studies of Religion 2	0	16	45	30
Indonesian Continuers	38	29	50	46
Agriculture	42	18	50	23
Design and Technology	11	16	39	29
Information Processes Technology	20	16	50	27
Software Design and Development	22	16	22	25
Drama	50	24	33	38
Music I	0	18	0	36
Music 2	0	49	50	36
Visual Arts	29	20	57	33
PDHPE	22	13	22	27



2016 Year 11 RoSA  
Comparison % of A & B Grades Macarthur & State



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## The Higher School Certificate

In 2016, Macarthur Anglican School presented 60 students for the Higher School Certificate. Of this group, 31 (52%) were girls and 29 (48%) were boys. Thirty-seven subjects were presented at Macarthur in 2016. Two subjects were studied externally through the NSW Open High school. 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.

25% of students who presented for the HSC in 2015 attained ATARs of 90 and over with 13% of students gaining ATARs of 95 and above. 37% of students gained an ATAR of 85 and over and 47% achieved an ATAR of 75 and over. 35% of students recognised as Distinguished Achievers for attaining Band 6 or E4 result and 75% of students gained Band 5 or E3 results. Of the 60 students who sat the HSC, 56 Distinguished Achievement results were recorded on the HSC Honour Roll.

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

61% of tracked female student and 50% of tracked male students were at or above the Value Added Benchmark. This was lower than 2015 and will be monitored. Positive academic growth was evident across the ability range for the majority of students.

	2012	2013	2014	2015	2016
Students who achieved a Band 6 result	25%	32%	43%	39%	35%
Students who achieved a Band 5 result	77%	75%	82%	83%	75%

The 2016 Dux of the School, Patrick Dickinson achieving an ATAR of 98.15. Patrick also achieved 4<sup>th</sup> place in the State in Indonesian Continuers and, along with Ante Kolanovic (ATAR 96.65), was recognised as an All Rounder for achieving Band 6 results in 10 units.

## Mean, Median, Highest Year 12 ATAR Results

	2012	2013	2014	2015	2016
Mean	69.29	72.7	75.41	75.29	72.9
Median	75.15	75	76.90	79	74.3
Highest	97.15	99.1	99.30	99.1	98.15

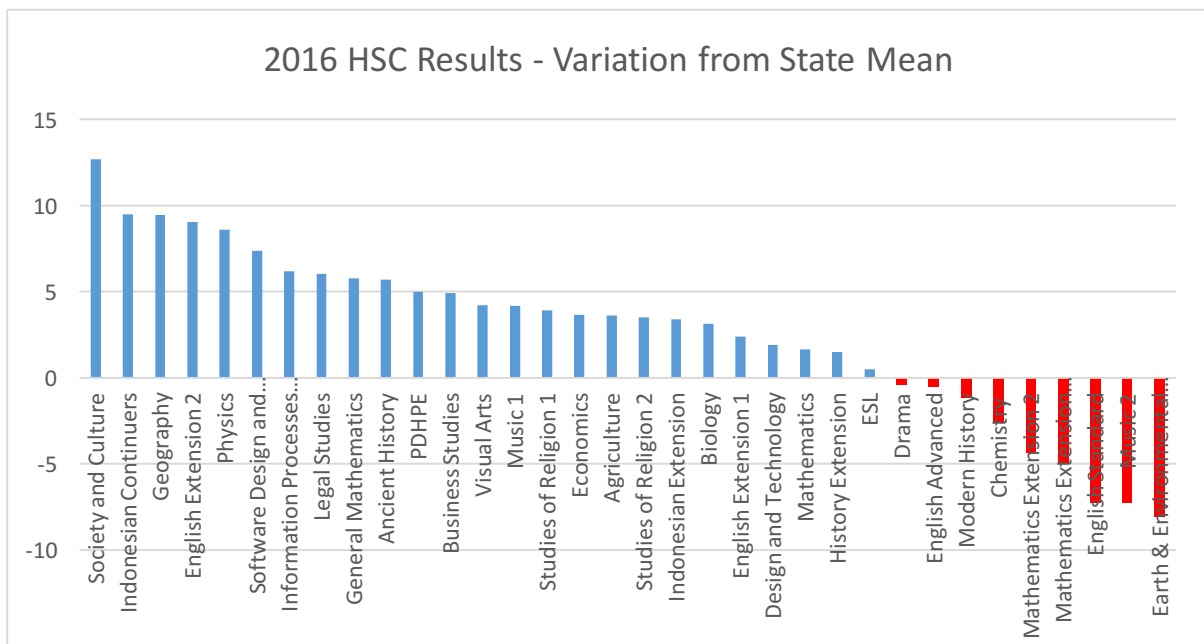
The 2016 Mean of the Year 12 ATAR results was similar to 2013. The Median was slightly lower compared to previous years and will be monitored in 2017. The highest ATAR of 98.15 was similar to the ATAR achieved in 2011 [98.3].



## Variation from State Mean

For the vast majority of subjects, the results are well above the State Average with Society and Culture, Geography, English Extension 2, Indonesian Continuers, Physics and Software Design and Development leading the field. Software Design and Development and Geography were among the subjects leading the field in 2014 and 2015.

Macarthur was ranked 93 overall out of all schools which had candidates sit the HSC in 2016 and was the top scoring school in the region (SMH 15/12/16) <http://www.smh.com.au/national/education/hsc-results-2016-find-out-how-your-school-ranked-20161206-gt4x58.html>





# MACARTHUR ANGLICAN SCHOOL

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Highest Mark & ATARS Achieved by Macarthur Students per Subject and Comparison of 2015 Band 5 and 6 Results Compared to the State

In 2016, students achieved a Band 6 result in most subjects. Students achieved an HSC mark of 95 or more in Drama, Indonesian Continuers, Mathematics General 2, Mathematics Extension 1 and Society and Culture and 45 or more in English Extension 1 and English Extension 2.

The percentage of Macarthur students who achieved Band 5 and 6 results exceeded the State in the majority of subjects.

Subject	Highest HSC mark achieved by Macarthur Student		Highest 'Uni Score' (ATAR) attained by Macarthur student		% Band 5 & 6 results at Macarthur		% Band 5 & 6 results in State	
	2015	2016	2015	2016	2015	2016	2015	2016
Agriculture	93	80	98.15	48.75	71.42	25	28.35	30.85
Ancient History	91	91	97.65	96.25	37.5	33.33	32.6	30.68
Biology	91	85	99.1	95.3	40	28.57	27.96	35.11
Business Studies	94	90	95.65	96.6	49.99	35	35.88	34.33
Chemistry	87	81	95.65	95.3	42.85	33.33	41.05	40.94
Design and Technology	91	88	96.75	89.45	54.54	40	35.98	40.8
Drama	91	96	89.05	96.25	66.66	37.5	42.36	42.59
Earth & Environmental Science	85	73	77.5	58.12	100	0	42.59	34.38
Economics	83	93	94.55	96.6	50	87.5	44	45.2
English (Standard)	67	64	62.05	48.75	0	0	8.31	13.39
English (Advanced)	94	94	99.1	98.15	52.04	57.68	57.81	61.92
ESL	67	81	45.8	95.3	0	33.33	25.9	27.03
English Extension 1	48	47	99.1	96.25	100	100	94	94.94
English Extension 2	50	48	99.1	96.25	100	100	82.37	79.35
Geography	95	93	96.75	98.15	92.85	81.81	41.3	40.93
Indonesian Continuers	96	95	99.1	98.15	80	66.66	55.55	47.5
Indonesian Extension	47	42	98.15	95.85	100	100	75	79.99
Information Processes Technology	91	90	95.15	90	66.66	60	32.03	27.71
Legal Studies	95	93	96.90	95.85	70	57.13	40.12	42.27
Mathematics General 2	96	95	96.05	98.15	43.74	33.32	25.64	25.63
Mathematics 2 Unit	95	91	99.1	90	80	53.84	52.31	52.51
Mathematics Extension 1	91	97	98.95	95.3	76.46	76.91	84.11	79.37
Mathematics Extension 2	87	88	98.95	95.3	75	80	86.14	85.34
Modern History	90	90	95.95	98.15	54.16	31.57	43.65	40.84
History Extension	44	44	96.9	98.15	100	100	78.14	80.59
Music 1	94	88	93.3	71.55	100	100	61.84	62.74
Music 2	89	83	88.7	92.05	100	50	88.03	89.53
Music Extension	32	39	61.1	58.55	0	100	93.15	93.59
PDHPE	93	90	93.3	89.45	31.81	50	29.62	34.41
Physics	93	87	98.95	95.3	54.54	75	28.75	29.94
Society and Culture	95	96	97.65	96.25	61.1	100	46.93	48.18
Software Design Development	95	92	95.15	90	66.66	66.66	30.35	33.32
Studies of Religion 1	46	46	96.9	98.15	50	60	50.87	49.92
Studies of Religion 2	87	90	94.55	96.6	60	50	39.96	47.94
Visual Arts	91	94	96.05	95.3	64.28	81.81	53.4	54.38



## ATAR Distribution

A similar high percentage of students attained ATARS in the 90-100 range in 2015 as they did in 2014.

16.1% of girls are represented in this band range, which is a downward shift from 2014 (36.2%). 31% of boys are in this range compared to 15.2% in 2014 which is a significant increase,

In the 80-90 bands of the distribution there was a much smaller percentage of boys, 13.8% than girls, 25.8%. In 2015 the distribution was 24.2% boys, 19.1% girls.

In the tail of the distribution there was a greater percentage of boys, 20.7% than girls, 12.9%. In 2015, the distribution was 5.2% boys, 10.6% girls. In 2016 girls achieved a higher mean 'UniScore' of 73.49 than boys, 72.28.

97% of students applied for university in 2015. Of these, 97% were offered a position in a University for 2016. 92% of the total cohort were offered a place at university for 2017. This was similar for the 2015 cohort.

	Male	Female	Total
Number	29	31	60
Mean Uniscore	72.28	73.49	72.90
Std Dev	21.57	16.17	18.82
Max Uniscore	98.15	95.00	98.15
Min Uniscore	33.40	42.45	33.40
Median Uniscore	76.50	71.75	74.30



## **Initiatives for Year 12 students**

During 2016 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 2016.

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. 39 students (65% of the year group) had a study coach. In 2015 there were 40 students (50% of the year group) with a study coach.

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 2015, this was offered twice per week but due to demand, this increased to three times per week in 2016. 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 60 students completed their senior secondary education at Macarthur in 2016, 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

58 of the 60 Year 12 students applied for an ATAR. Of these, 55 students (95%) received university offers and 80% received an early round offer. 24% of students have enrolled at University of Wollongong, 16% at the Western Sydney University, 15% at the University of NSW, 11% at the University of Sydney, 9% at University of Technology Sydney, 6% at University of New England, 6% at Australian Catholic University and 13% at other institutions. Refer pie chart below.

