

Excellence and innovation in agricultural education...



Annual Report 2018



WESTERN AUSTRALIAN
COLLEGE OF AGRICULTURE
Denmark

College Overview

Our College

Located next to the picturesque south coastal town of Denmark, the WA College of Agriculture – Denmark is a 560 hectare working farm and educational facility for Year 10, 11 and 12 students offering a wide variety of studies and industry training with an agricultural focus. While the majority of the College's 130 students are residential students, there are a number of day students, and a bus service is provided to and from Albany. The College's prime location is both a strength and a motivation for the College to continue to deliver outstanding outcomes for its students, and develop strong partnerships with its school community, to ensure its long-term future.

One of five WA Colleges of Agriculture, Denmark is considered a leading light in the achievement of educational and training outcomes for young men and women in a diversity of agricultural and related fields. The College delivers Australian Curriculum courses to Year 10 students and WACE courses to Year 11 and 12 students. The College is also a Registered Training Organisation (RTO) and delivers Certificate I-III level qualifications in a wide range of industry areas including: Agriculture, Automotive, Conservation and Land Management, Engineering, Equine, Forestry and Horticulture. Renowned for its outstanding Vocational Training and Education (VET) outcomes, the College has also developed an excellent reputation for its academic program with approximately one third of its students on an ATAR pathway. In addition to their academic program, all students at the College spend at least one day a week undertaking workplace learning on the College farm where, under the supervision of the College's Agricultural Training Officers (ATO's), they work toward the completion of a Certificate II or III in Agriculture. This wonderful balance of school and workplace training on a farm striving to achieve industry best practice ideally prepares students for a smooth transition into the world of work.

The tripartite nature of the College – school, residence and farm – ensures that, along with learning and achievement, student safety and care is of paramount importance.

The College provides a home away from home for many of its students and takes on the responsibility of training young people in the "real world" environment of a commercial farm with all of its inherent risks. As such the College fosters a young adult learning environment and requires from all of its students a commitment to behave in a way that helps to ensure their own safety as well as others.



Our Vision

WACoA Denmark educates the rising stars of the agriculture sector in an educational specialist school that the industry values, protects and nurtures.

College Mission

Within an agricultural context our mission is to develop in students the skills, knowledge and attitudes to reach their full potential and contribution positively to society

Our Purpose

Is to ensure that all members of the College community promote the values of learning, excellence, equity and care and that all students develop the knowledge, skills and confidence to achieve their individual potential and contribute to society.

We will provide opportunities for students to develop knowledge, skills, values and understandings within the context of rural industries and provide them with opportunities to achieve nationally recognised vocational qualifications and secondary graduation. All of our students will be provided with assistance to access employment or further education.

Excellence and innovation in agricultural education

From the Principal

2018 was a year when the College experienced both great successes and some significant challenges. In regard to student achievement it was arguably the strongest year in the College's history. But we also experienced some negative behaviour in our College Residence at the start of the 2018 school year that reminded us we can never be complacent about ensuring our terrific reputation as a safe and supportive school is maintained.

In the College's second year as an Independent Public School, we continued to set new benchmarks with student enrolments. The College commenced 2018 with 138 students. Of those, 95 were Residential students and 43 were Day students. While the plan to build a new dormitory was shelved – along with a number of other Royalties for Regions projects – in 2017, the College was successful with its business case to secure a new, larger school bus to transport Day students to and from Albany. The larger, 43-seat bus, designated solely for WACoA Denmark students, arrives at the College at 8.00 am each morning and is now key to the College maintaining a student enrolment in the 130 – 140 range.

Table 1: Student Enrolment Numbers

Year Group	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Year 10	-	27	20	17	33	40	35	35	37	38
Year 11	38	29	42	43	20	50	49	50	48	56
Year 12	38	34	27	32	41	25	46	41	45	44
Total	76	90	89	92	94	115	130	126	130	138

Table 2: Residential and Day student Numbers

Type	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Residential	66	71	77	71	74	84	92	87	94	95
Day	14	19	18	21	20	31	38	39	36	43
Total	76	90	95	92	94	115	130	126	130	138

Table 3: Student Cohort Gender Balance

Year Group	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Male	44	62	69	69	61	70	69	71	66	73
Female	32	28	20	23	33	45	61	55	64	65
Total	76	90	89	92	94	115	130	126	130	138

The College's WACE attainment rate of 85% once again fell slightly short of both the State percentage and the College's business plan target of 90% or greater – and once again the literacy and numeracy standard, or OLNA, was the WACE requirement most students failed to meet. The College employed a Learning Support Coordinator in 2018 specifically to develop Individual Education Plans (IEP's) for students at educational risk and continued to provide maths tutoring sessions for students after school. While we didn't quite achieve our business plan target our 2018 WACE attainment rate compared favourably with like schools.

Table 4: WACE Attainment

Year	# Year 12 WACoA Denmark Students	% WACoA Denmark Students Achieving WACE	State %
2014	25	88%	96%
2015	44	93%	96%
2016	39	89%	92%
2017	44	87%	91%
2018	41	85%	89%

Another important student achievement target in our business plan is for 50% of our ATAR students to achieve an ATAR of 70 or better – and unfortunately we *just* fell short of that target too. The very high ATAR scores of our College Duxes, however, continued with Mikayla Moolman achieving a staggering 99! For the past four years now our College Duxes have achieved ATARs of 95 or higher. Georgia Keast, our 2018 Runner-up Dux, also achieved an outstanding ATAR of 90.55. While the ‘top end’ results of our 2018 ATAR class were exceptional, the number of students achieving ATARs of 55 or less remains higher than we’d like.

Table 5: WACoA Denmark Student ATAR’s 2013 -2018

ATAR	2018	2017	2016	2015	2014	2013
99+	1 (7%)					
90-98.95	1 (7%)	1 (6%)	1 (8%)	1 (6%)	-	-
80-89.95	2 (13%)	2 (12%)	2 (15%)	1 (6%)	1 (20%)	3 (8%)
70-79.95	2 (13%)	3 (19%)	3 (23%)	3 (18%)	1 (20%)	2 (5%)
55-69.95	3 (20%)	5 (31%)	2 (15%)	1 (6%)	1 (20%)	3 (8%)
<55	6 (40%)	5 (31%)	5 (38%)	10 (62%)	2 (40%)	10 (25%)
Total ATAR students	15 (37%)	16 (36%)	13 (33%)	16 (37%)	5 (20%)	18 (44%)
% ATAR with 70 or >	40%	38%	46%	38%	40%	28%

A key achievement target for all students entering the College is the completion of a Certificate II in Agriculture. While we didn’t quite achieve our business plan achievement target of 95% or greater in 2018, two of the three students who didn’t achieve a Certificate II in Agriculture *did* achieve a Certificate III in Agriculture. The appointment of a Level 5 VET Coordinator Agriculture in 2017 has seen a stronger level of monitoring and intervention to ensure students achieve this qualification and provides us with confidence that we will maintain attain a high completion rate in the future.

Table 6: Certificate II in Agriculture Achievement

Year	# Year 12 Students	% Achieving Cert II in Agriculture
2014	25	88%
2015	44	98%
2016	39	95%
2017	44	98%
2018	41	93%

Another important role for our VET Coordinator Agriculture is to oversee the delivery of our Certificate III in Agriculture. In 2018 the number of students both enrolling in and completing a Certificate III in Agriculture increased significantly. The College has adopted a cautious approach to delivering this high level qualification since its addition to our scope in 2014 and we continue to look closely at its training and assessment strategy, ensuring that students have the necessary amount of time, resources and training opportunities to meet requirements.

Table 7: Certificate III in Agriculture Achievement

Year	Year 12 Students		% Students Achieving Cert III in Agriculture
	Number enrolled	Number completed	
2015	0	0	0%
2016	8	4	50%
2017	8	7	88%
2018	15	14	93%

One of the great strengths of the College’s education program is the diversity of industry training our students have the opportunity to experience through their ‘Options’. In most case this training is delivered by ‘tradespeople’ with Level 3 or equivalent qualifications. And usually this training results in the student achievement of a nationally recognised Level 2 qualification.

Once again the Certificate II in Hospitality was delivered though a VETis profile hours arrangement with Great Southern TAFE.

Table 8: Student Industry Training Outcomes

Qualification	# Year 12 Students Enrolled in Qualification	# Year 12 Students Completed Qualification
AHC20110 Cert II in Agriculture	41	38
AHC30110 Cert III in Agriculture	15	14
AHC21310 Cert II in Shearing	0	0
AHC21416 Cert II in Wool Handling	14	11
AHC33116 Cert III in Advanced Wool Handling	14	14
AHC20310 Cert II in Production Horticulture	0	0
AHC21016 Cert II in Conservation & Land Management	5	3
FWP20116 Cert II in Forest Growing & Management	11	11
AUR20716 Cert II in Automotive Vocational Preparation	21	19
MEM20413 Cert II in Engineering Pathways	21	21
22246VIC Cert II in Equine Studies	9	8
SIT20316 Cert II in Hospitality	6	6

Student Industry Training Outcomes

The tendency for a large percentage of graduating students to now have a 'gap year' before committing to further study or employment creates some uncertainty around post-graduation destination data, but according to our surveying around 80 – 85% of our 2018 graduating class are intending to go into agriculturally-related work, further training or study.

Table 9: 2018 Post-School Destination Data: 41 Students

EMPLOYMENT				APPRENTICESHIP/ TRAINEESHIP		TRAINING/ TAFE		UNIVERSITY		LOOKING FOR WORK		TOTAL
AGRICULTURE RELATED		NON-AGRICULTURE RELATED		#	%	#	%	AGRIC. RELATED	NON-AGRIC. RELATED	#	%	
#	%	#	%					#/%	#/%			
15	37%	2	5%	12	29%	2	5%	9/22%	1/2%	0	0%	41

The obvious link between student attendance and achievement has seen the College adopt an aspirational target in its current business plan of 90% of students achieving an attendance level of 90% or greater. Two years into our 2017-2020 Business Plan it seems this target may be too aspirational. Despite achieving attendance levels well above the average for WA public schools, we have now fallen short of our business plan target for the second year running. In 2017 85% of our students achieved attendance rates of 90% or greater and in 2018 it fell slightly to 80%.

Table 10: Attendance Levels School V's State

Year	Overall Attendance Levels	
	WACoA Denmark	WA Public Schools
2014	94.7%	86.9%
2015	94.5%	87.9%
2016	94.0%	87.7%
2017	95.4%	87.8%
2018	93.9%	87.6%

Table 11: 2017-2020 Business Plan Target

Business Plan Target:	
Year 10	81%
Year 11	81%
Year 12	78%
Overall	80%

One of the strengths of the College over recent years has been the stability of our workforce; it's rare for the College to have any more than one or two changes at the start of each year. A very pleasing addition to the College farm staff at the start of 2018 was Kylie Quilty who moved into the Agricultural Technical Officer – Dairy position. No one was more pleased (and relieved) by her commencement than Terry De Vos who had been juggling the dairy role with the Assistant Farm Manager position he won at the end of 2017. Shortly after Kylie's appointment, Mike Hyder was appointed to the ATO – Sheep position and commenced in that role late in Term 2. Unfortunately, Mike's time at the College would turn out to be relatively brief with his decision to resign from the position later in the year. While not a new member of staff, Dai Thomas won the ATO – Horticulture position early in Term 4. This was a 12 month fixed-term appointment with the possibility of extension and/or permanency, and was a just reward for Dai's efforts in the College's horticultural enterprise.

The most significant staff change in 2018, however, was undoubtedly the retirement of our Farm Supervisor Fred Knight. Fred spent the best part of forty years at the College in the Farm Supervisor role – an amazing contribution. The Level 6 Farm Manager position was advertised Australia-wide and late in Term 4 Kevin Marshall was appointed to the position.

The College continues to survey widely as part of its requirements as a Registered Training Organisation and its continuous improvement processes. Annual Learner Satisfaction Surveys are conducted with students to gain feedback on their experiences in each of the College’s industry training areas. The College also surveys parents, staff and students each year using the National School Opinion Surveys (NSOS) format with additional sections for comments on areas of strength and areas for improvement. The information in these surveys is closely considered by College staff as part of our annual self-review process.

While the feedback is generally very positive, areas of improvement are invariably highlighted too. A particularly pleasing aspect of the 2018 surveying of parents was the greatly improved response rate. We had 110 parents commence the online survey with 77 completed responses. This compares with only 36 completed responses in 2017. The response rate for the student survey was also excellent. But unfortunately, our staff response rates for the survey were again very low.

Table 12: 2018 Parent Survey: 77 Completed Responses

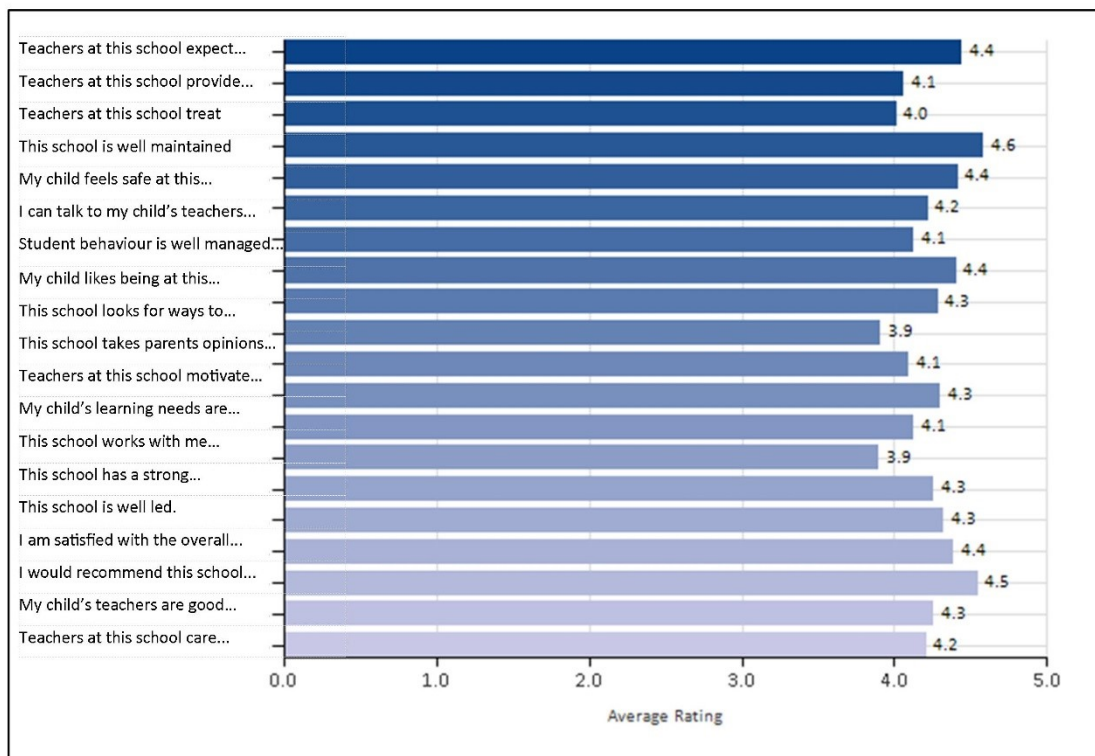
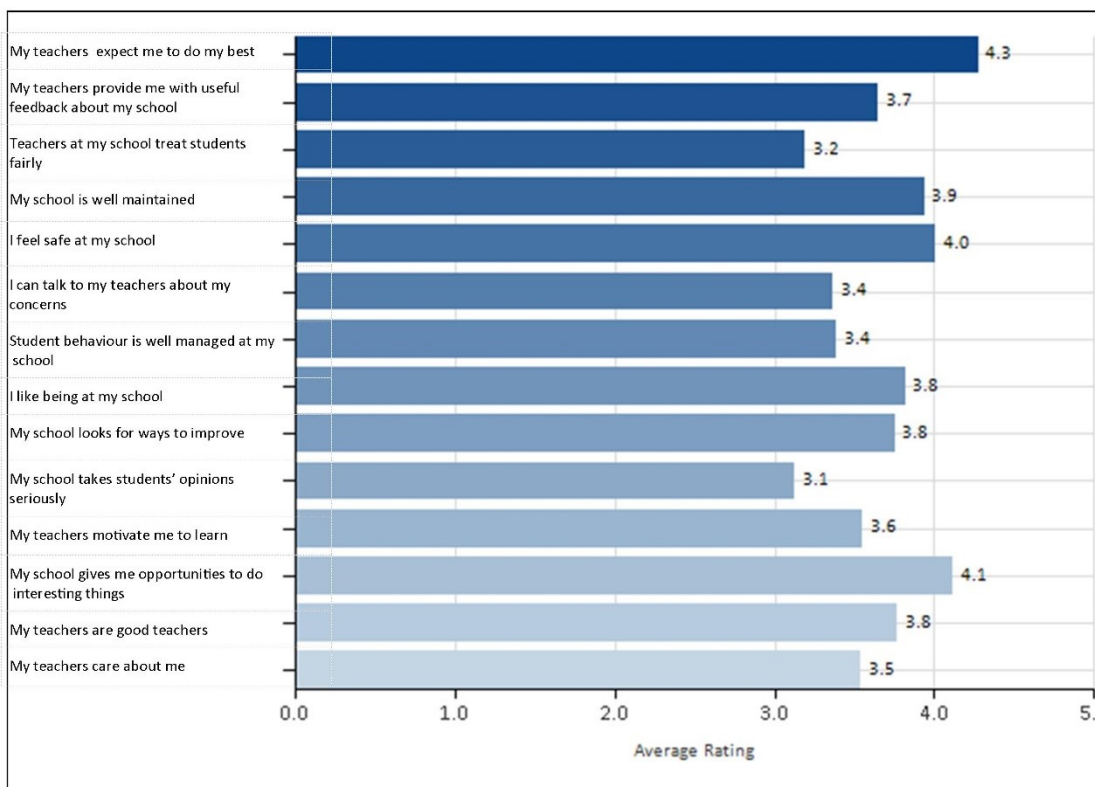


Table 13: 2018 Student Survey: 109 Completed Responses



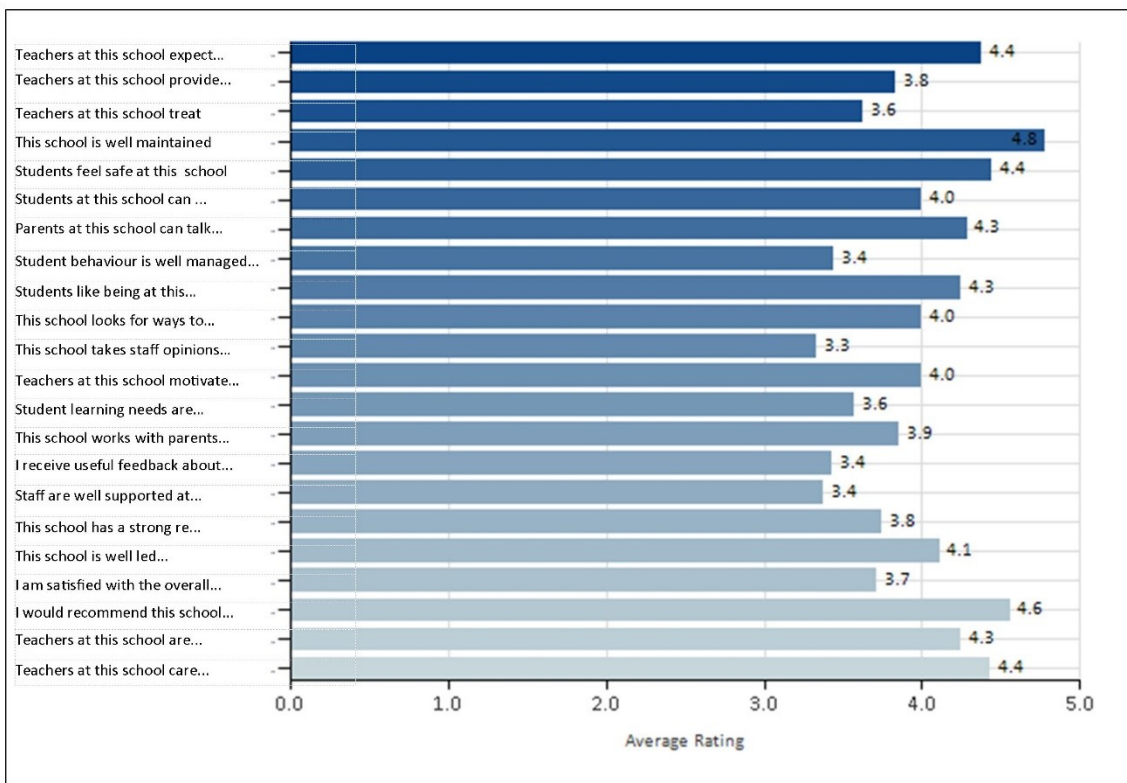


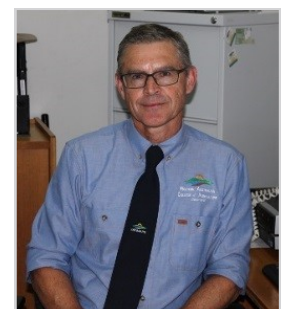
Table 14: 2018 Staff Survey: 9 Completed Responses

The Student Council continued to be an important part of the College’s organisational framework. The Deputy Principal, Steve Swallow, our Head of Residence, Kelli Gillies, and I met with the Student Council on a fortnightly basis throughout the year ensuring that our students have ‘a voice’ in the College’s decision-making processes. Georgia Keast and Jack Nairn were elected the 2018 School Captains and were well supported by the other Year 12 Student Prefects: Chelsea Butterworth, Tahnee Montgomery and Gareth Korpel. Deahna Keam, Haylee Pitts, Caitlyn Wheatley, Mitchell Anderson and Dylan Whitehurst were the Year 11 Student Councillors. While Emma Gillespie, Natasha Nairn, Murray Findlay and Josh Kemp were the four Year 10 Student Councillors.

Another group that plays a critical role in the good-running of the College, particularly in regard to our farming operations, is our Agricultural Advisory Committee. In 2017 the Ag. Advisory helped us develop our new, comprehensive Farm Management Plan; in 2018 the focus shifted to its implementation. Our 2018 Ag. Advisory Committee was made up of: Owen Sounness (Chair), Harry Carroll, Sandy Lyon, Phillip Marshall, Murray Montgomery, Gary Wilson, and Ken Ravenhill. Late in the year Gary Wilson was forced to retire from the committee due to health reasons. Gary joined the committee in 2011 and with his vast knowledge of farming machinery and equipment made a great contribution.

The decision was made to increase the size of the College Board to eleven in 2018, consisting of six parent/community members and five staff. Steve Jones remained on the Board as a community member and was reappointed as the Chairperson. Josie Keam and Mick Pratt joined Julie Marsh, Debbie Perkins and Angela Wheatley as our parent members, while Darren Scahill and Daniel Gibbins joined Steve Swallow, Dane Carter and myself as the staff members of the Board. The Board’s close monitoring of our 2017-2020 Business Plan has been a key factor in ensuring the College continues to address identified areas for improvement.

Kevin Osborne
Principal



College Board - Chair Report

On behalf of our College Board, it is with great pleasure that I congratulate graduating students of 2018 and the achievements of all our students and staff. We also wish to acknowledge the excellent parent support for their daughter and/or son and the College as a whole.

Our School Board grew in size from 9 to 11 members and we welcomed Josie Keam, Mick Pratt, Daniel Gibbins and Darren Scahill to the Board during Term 1. It was the second year into our Business Plan with steady progress being made in most areas. Many targets were achieved, some improved compared to 2017 and others slow/stalling. The upgrade of the gym is proving problematic with Government funding tightening however we have made some progress with some preliminary design work being awarded. For more detail of the business plan targets and achievements, please see the Principal's Report. At the end of the year we also said our goodbyes to Julie Marsh who has made a wonderful contribution to our Board.

We held 6 meetings for the year and whilst our Business Plan remains our primary focus, there were some other highlights. Last year saw the College marketing/promotion plan endorsed. As a result of the plan, Staff member Jan Axe attended some training on how to optimise Facebook for promoting our school and we've seen the benefits of that flowing through to fantastic, regular and informative posts of what our students and staff are doing from week to week. The plan also drove a new initiative for the College where we sent a small delegation to Lambex 2018 in Perth. Lambex was attended by some 1000 paying delegates and we had the opportunity to be the sole school promoting itself in the exhibition area. Many new contacts were made with delegates and a special thank you to the team who attended to raise our profile at this important, leading event.

OH&S is a critical target/activity in our business plan. An independent, informal audit was conducted by an OHS expert this year. This was to identify areas we needed to improve and develop an action plan. We have also co-opted Stuart Stevenson as the Board's representative on the OHS Committee. Stuart is one of our parents with extensive OHS experience in the mining industry. It is the intent of the business plan to invite Worksafe to do a formal audit of our College Farm.

Another new initiative is the Board has requested the College perform a formal review of the curriculum being offered for 2020 onwards. The College Leadership regularly look at the curriculum however all Board members felt it was appropriate to go through and document a process to consider the wide range of training options available for our students that will validate it is relevant to both students and their future employers. This review will be completed over the 2019 year.

Our Farm Manager, Fred Knight retired this year and our Board wish to thank him for his long service, dedication to the College and efforts with the thousands of students during his time at the College. As part of the recruitment for a replacement, I had the privilege to represent our Board on the selection panel for Farm Manager. Kevin Marshall was the successful candidate and I believe he will make a fantastic contribution to our College, staff and students.

Overall a productive year for our Board and it is shaping up to be a busy one for 2019 with the completion of the current business plan and development of the next 3 year plan.

I encourage parents and members of our community to visit our website <https://www.denmarkag.wa.edu.au/> where you can find our Business Plan and who our Board Members are. If you wish to raise a query with the Board then please contact Rosemary Wolter, Board Secretary via Reception or Rosemary.Wolter@education.wa.edu.au

Wishing our leavers all the best for the future and our returning and new students and parents all the best for 2018.

Steve Jones
Chair



Head of Studies Report

Students at WACoA Denmark have the opportunity to achieve the Western Australian Certificate of Education (WACE) and an Australian Tertiary Admissions Ranking (ATAR); and also have the opportunity to be awarded nationally recognised certificates to Level II/III in a variety of industry areas. This allows for possible transition into tertiary study, post-secondary certificate/diploma courses, apprenticeships and traineeships or directly into employment.

A choice of three learning programs was made available for students at transition into Year 12: Agricultural Studies, Agricultural Trades and ATAR. The three pathways consisted of a combination of upper school WACE courses, on-the-job workplace training on the College farm and a number of nationally recognised industry training qualifications.

Fifteen Year 12 students enrolled and completed the Year 12 ATAR program. It is the ninth year in the College's history that students have had the opportunity of achieving an Australian Tertiary Admissions Rank (ATAR) to gain entry to a wide range of university courses. The College offered 5 ATAR courses in 2018: English, Biology, Animal Production Systems, Maths Applications and Plant Production Systems

The WA College of Agriculture-Denmark students performed better in the Year 12 ATAR exams than like schools and were significantly higher to the State mean (Raw exam mark and Standardised combined mark) in Animal Production Systems (APS) and Plant Production Systems (PPS). The agricultural-based courses are obviously a strength of the College, however it was also pleasing to note that WACA-Denmark students performed better than like schools in Maths Applications, Biology and English.

Mikayla Moolman, achieved an ATAR of 99.00 which is the highest ranking ever achieved by one of our students. For the past four years now our College Dux has achieved an ATAR over 95 which demonstrates we do have an academic program that enables students to achieve outstanding results. WACoA Denmark students recorded the highest ATAR scores of all WACoA sites in 2018.

In addition, 40% of the College's ATAR students achieved ATAR's above 70, which is also significantly higher than other WACoA sites. WACoA Denmark was once again listed by the School Curriculum Standards Authority as the school with the highest performing students in Year 12 Animal Production Systems (ATAR) and Year 12 Plant Production Systems (ATAR). Two students were awarded Certificate of Distinction and five students received Certificate of Credits.

The Year 12 ATAR data above is a reflection of a motivated, capable student group, dedicated and skilled teaching staff and a well-developed teaching and learning program from Year 10 - 12 at the College. However some individual ATAR scores were disappointing. It is imperative that students studying ATAR subjects have the motivation and work ethic to succeed at this level. Our goal is to increase the percentage of students from 40% to 50% achieving an ATAR score above 70.

College teaching staff were involved in course of study professional learning and/or consensus moderation activities for most of the WACE subject areas during the year. These sessions did show that teaching staff had a good understanding of the requirements of these courses and were delivering them to a very high standard. College staff spent a great deal of time reviewing the College programme and making changes for 2018.

Year 12 subject results show a consistent pattern over the past 10 years. Data once again demonstrates the College performs at or above the State average. This indicates well-established Courses of Study in Plant Production, Animal Production, English, Biology and Mathematics. 2018 results were pleasing with a very positive distribution of grades in Animal Production Systems (ATAR), Accounting and Finance (General), Biology (ATAR), Mathematics Applications and Mathematics Essentials where the percentage of students achieving A and B grades was higher than the State grade distribution. Year 12 grade distribution in Career and Enterprise (General), English (General) and English (ATAR), Animal Production Systems (General), Plant Production Systems (ATAR) and Plant Production Systems (General) were more variable but still indicated that the majority of students were achieving satisfactory standards in these subjects.

A Year 10 educational program was introduced at the College for the first time in 2010. The program has proved to be a good mixture of academic (English, Maths, HASS, Science), and applied practical work (On-the-job Workplace Learning, Automotive, Metals & Engineering, Computing, Equine, Beekeeping and Certificate I AgriFood). Students also have the opportunity of being involved in Sport/Health Education sessions on a weekly basis. The Year 10 Science course in particular complements the delivery of Animal Production Systems, Plant Production Systems and Biology in Year 11 and 12. Teaching staff feel that the Year 10 course develops some very positive outcomes for our students and provides an alternative educational pathway for Year 10 students in the Great Southern of WA. Year 10 enrolments in 2018 were quite high with thirty-seven students. Seventeen of these students are intending to enrol in the ATAR programme in 2019.



Jack Lusty and Jake Ollis from AFGRI with Dux of the College Mikayla Moolman. Mikayla achieved an ATAR of 99.00 which is the highest ranking ever achieved by one of our students.

The College VET program has developed considerably over the past 10 years. All students enrolled at the College are VET students and have the opportunity to complete a number of certificates. Access to some certificates is dependent upon subject choices in Year 12. Conservation & Land Management, Metals & Engineering, Automotive, Equine, Hospitality and Forest Industries all proved popular with students. The Equine option again was in demand and was also offered as an option to all students.

Excursions

The College organised numerous excursions during the year for both educational and recreational purposes. Instructional staff recognises that experiences of students outside the College grounds contribute to the development of their knowledge, skills and attitudes. Opportunities for students to learn from the wider community builds on and reinforces the College curriculum. Examples of major excursions carried out in 2018 include Wagin Woolorama, Perth Royal Show, Willemunup Stud, Albany Agricultural Show, Mt Barker Regional Cattle Saleyards, Rylington Park Shearing School, Brunswick Cattle Handlers Camp, Low Stress Livestock Handling Workshop, Country Week sport, Gate to Plate Challenge, Newdegate Machinery Field Day and Muresk Winter School.

Equine Event: A number of the College's equine students participated in the Narrogin Inter-College Equestrian Challenge at Narrogin Agricultural College in August. Students were involved in hacking, camp drafting and show jumping events. WACoA – Harvey and WACoA - Narrogin were also involved.

Study Tour: The annual Year 10 Study tour took place during the first week of December and was based from Denmark with a focus of day trips to business and primary industries in our region. Our Year 10 students were also provided the opportunity to continue the College farm program for the week as well. Study tour has a significant educational benefit that complements what students have learned at the College.

UWA Albany Information Night and Open Day: Year 11 ATAR students visited the campus twice in 2018, attending the information night in February where university representatives provided general information on all courses and in August for a tour of the campus and meet and greet with the staff and students.

University Camp: Year 11 ATAR students participated in a University camp to Perth in November 2018. The purpose of the camp was to promote University study as a real option after completing Year 12, specifically the Agricultural Science course at the University of WA, the Agribusiness course at Curtin University and the Animal Science program at Murdoch University. Hopefully the camp provided plenty of information on choices available for tertiary study in agriculture in WA and allowed our students the opportunity to experience life on a University campus.

Lambex 2018: LambEx was a major agricultural two day event that attracted hundreds of people from all sectors of the lamb industry. The College's marketing committee saw it as a great opportunity for the College to promote our educational program, particularly our ATAR pathway which was held at the Perth Convention Centre. Four Year 11 ATAR students attended the conference to participate in the Trade Exhibition promoting the Western Australian College of Agriculture – Denmark. Students provided information to conference delegates from an exhibition booth on College course programmes, residential and farm resources and in particular the ATAR Course of Study.

Dogs Versus Drones Trials Program: Year 11 ATAR students attended Muresk in May to compete against students from other Agricultural Colleges. The program was more than a race – it promoted the future of farming. The program actively challenged the perceptions of careers in agriculture and made farming aspirational by showcasing the innovative ways modern technology is used in agriculture.

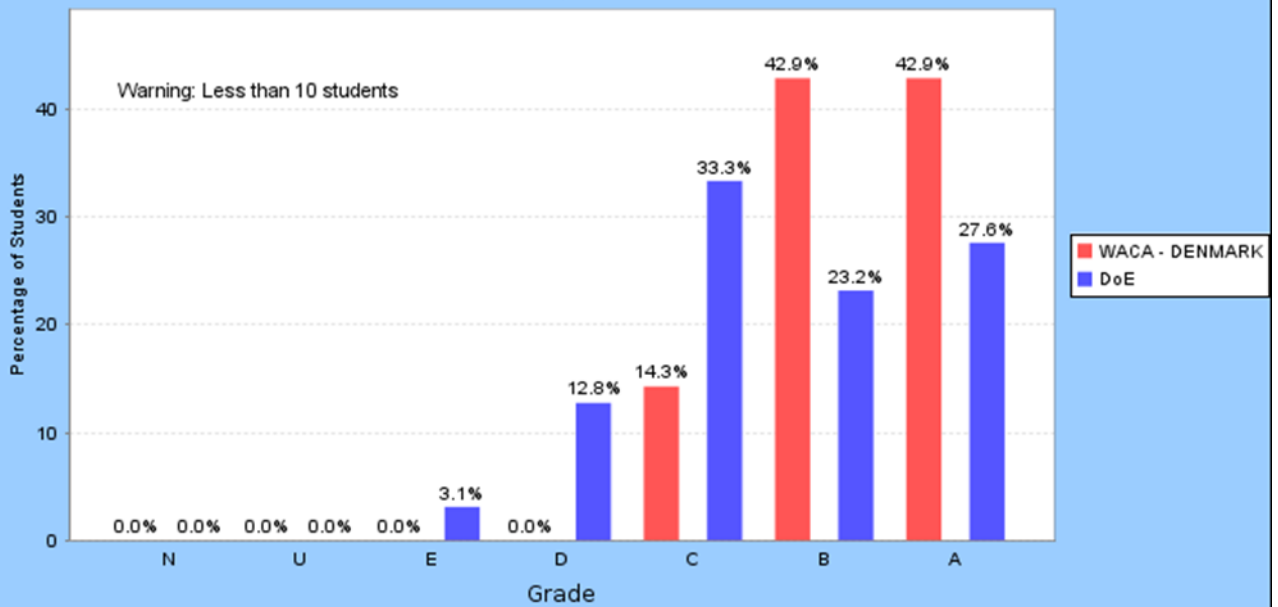
Denmark Employment Opportunity: Year 12 Ag Studies and Trades students attended this event in August at the local Recreational Centre whereby the students were provided an opportunity to network and receive relevant career information and explore further education courses from local businesses and training institutions.

Muresk Winter School: Two College students who were enrolled in a Certificate 3 Agriculture qualification attended the Muresk Winter School in the July school holidays. They received training in livestock handling, precision agriculture and the safe use and operation of a range of equipment and machinery commonly used within the agricultural industry. They also achieved two level 3 competencies during their time at Muresk.

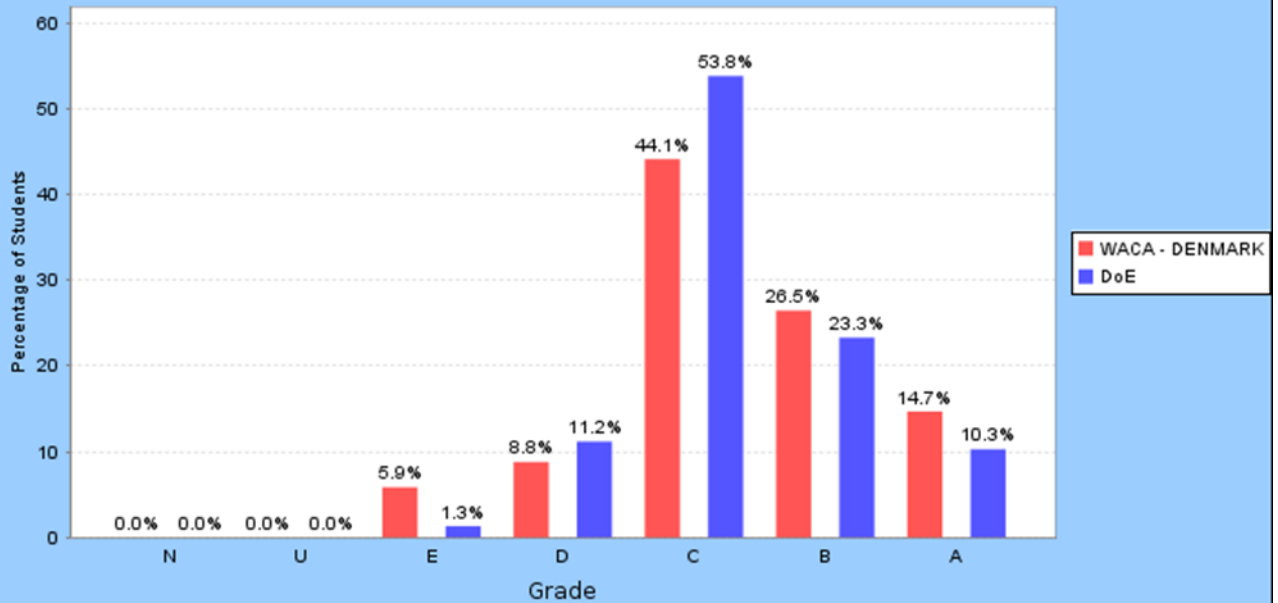
Amanda Gaunt
Head of Studies



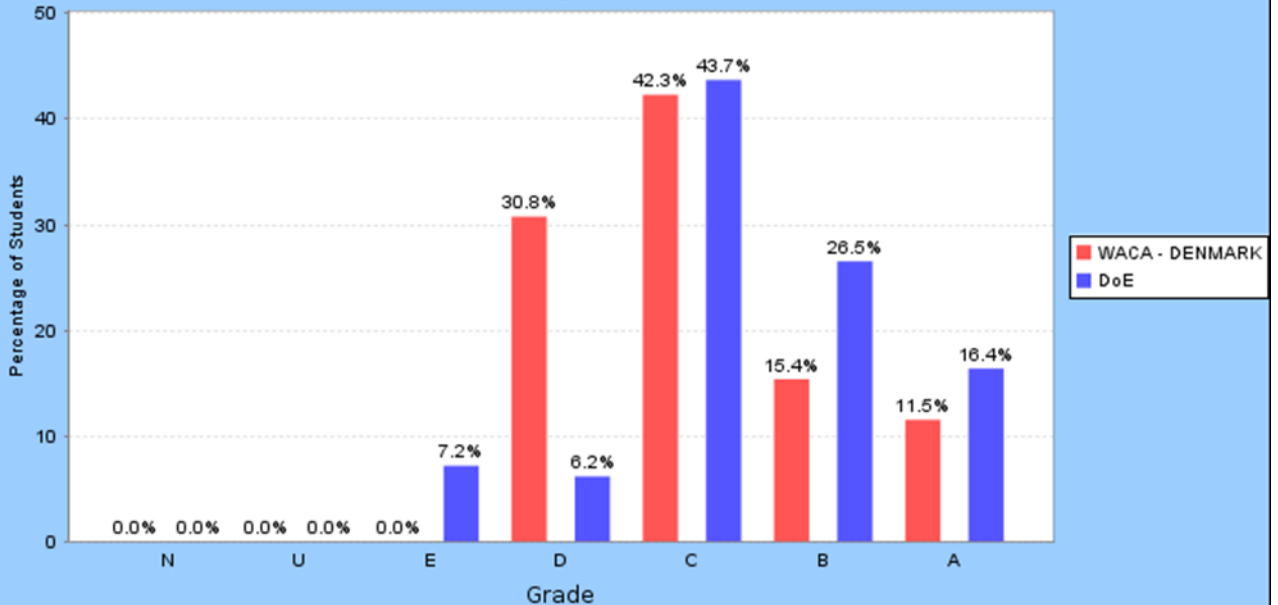
Grade Distribution
Year 12 ACF Accounting and Finance SCHOOL RESULTS: School Default Grade
Semester 2, 2018



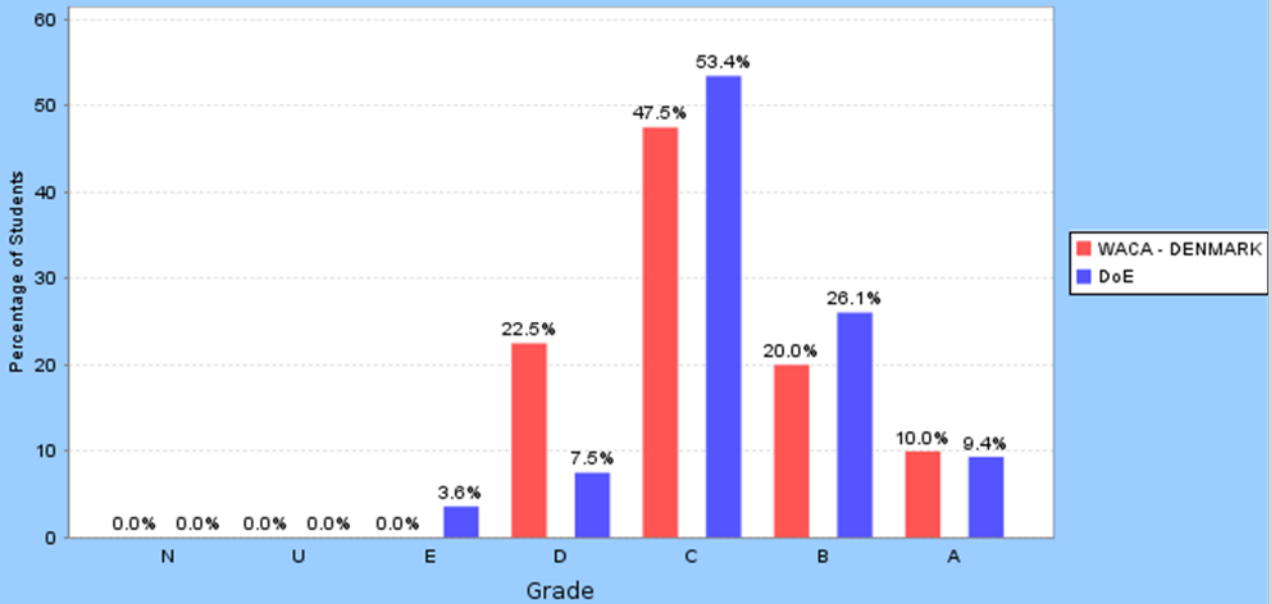
Grade Distribution
Year 12 APS Animal Production Systems SCHOOL RESULTS: School Default Grade
Semester 2, 2018



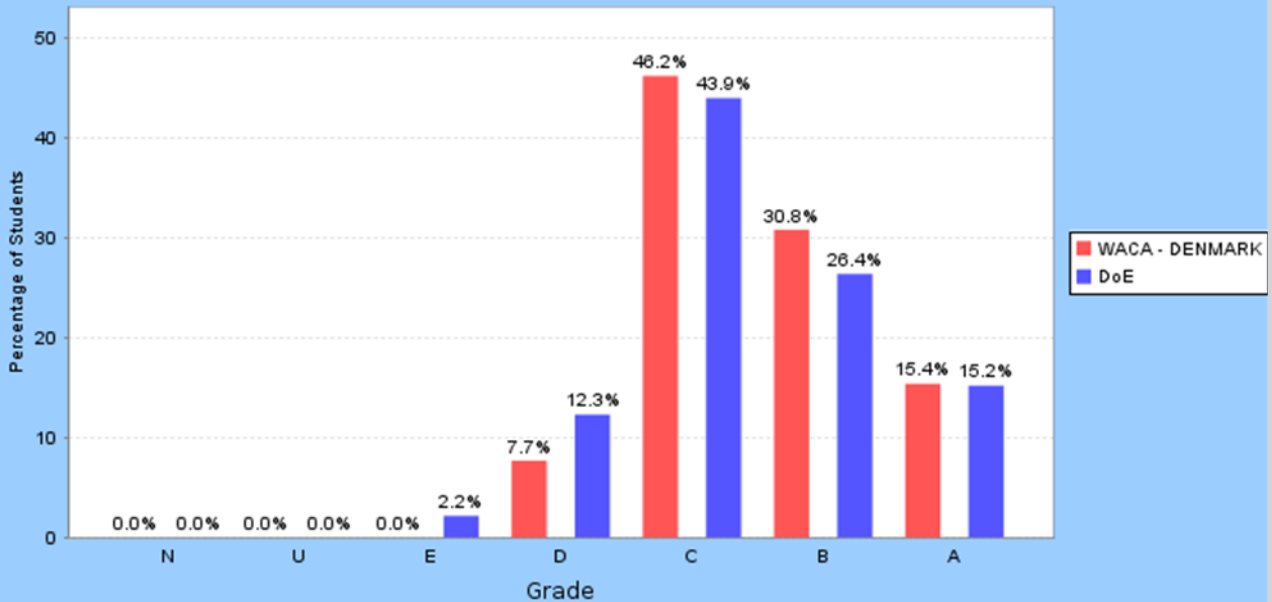
Grade Distribution
Year 12 CAE Career and Enterprise SCHOOL RESULTS: School Default Grade
Semester 2, 2018



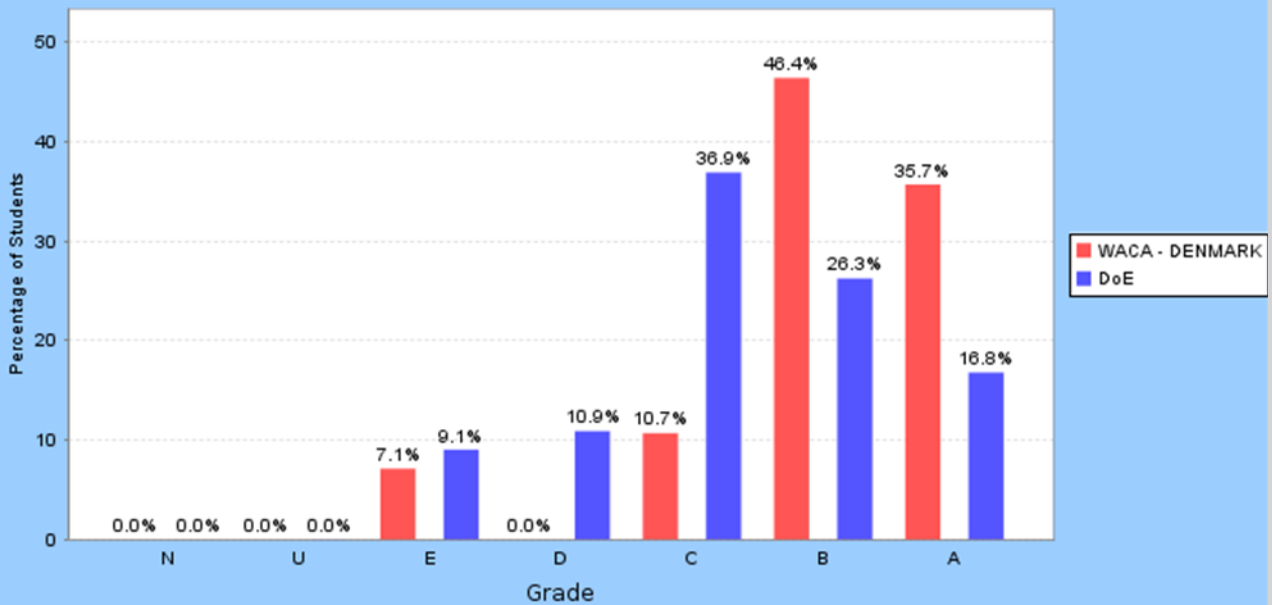
Grade Distribution
Year 12 ENG English SCHOOL RESULTS: School Default Grade
Semester 2, 2018



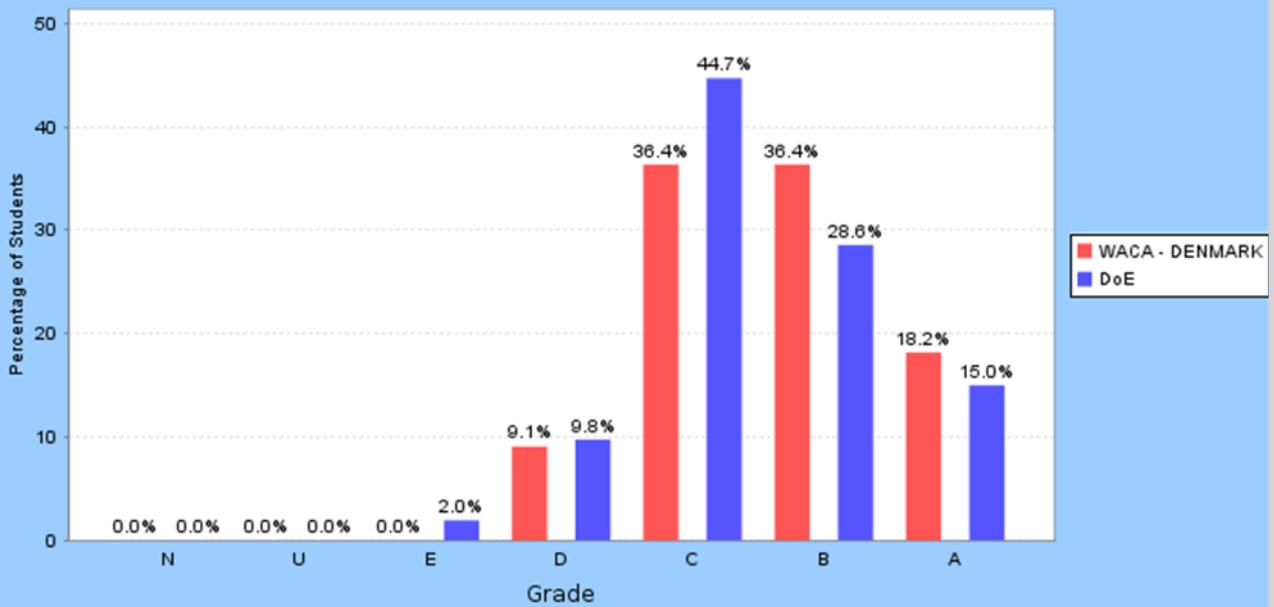
Grade Distribution
Year 12 MAA Mathematics: Applications SCHOOL RESULTS: School Default Grade
Semester 2, 2018



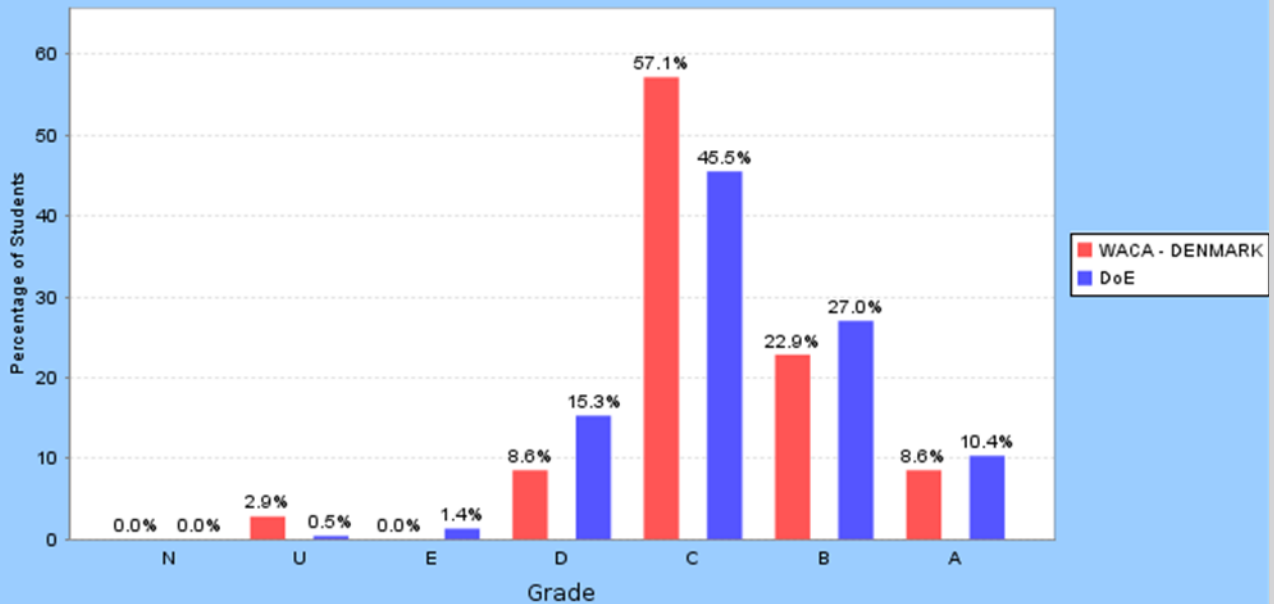
Grade Distribution
Year 12 MAE Mathematics: Essentials SCHOOL RESULTS: School Default Grade
Semester 2, 2018



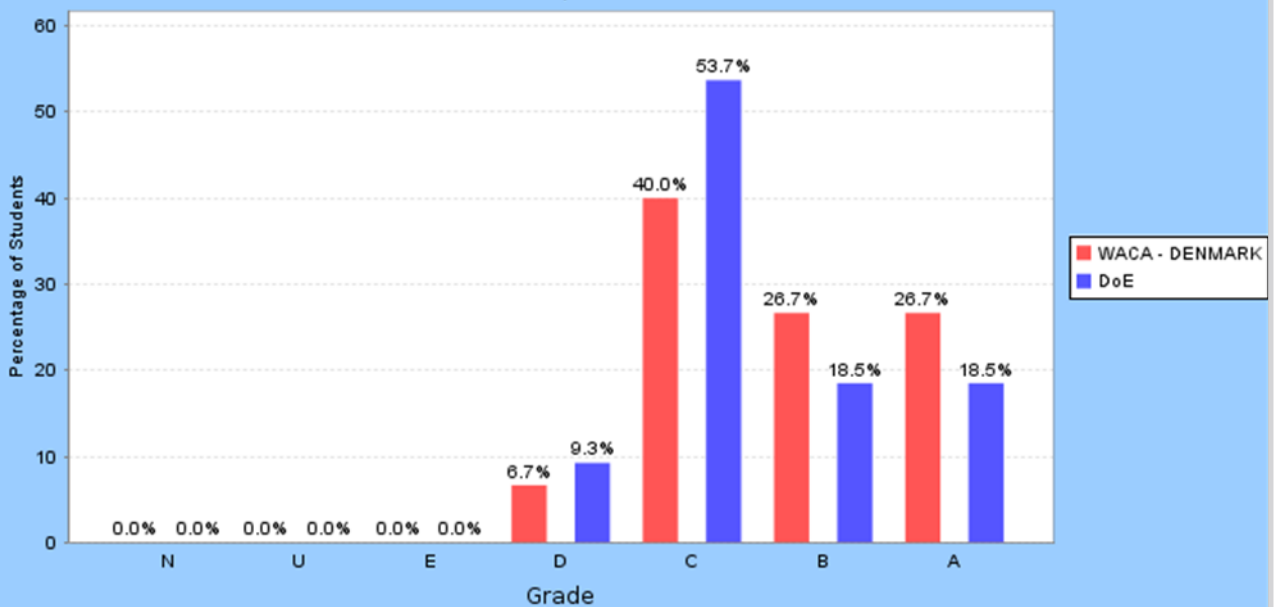
Grade Distribution
Year 12 ATAR BLY (12) SCHOOL RESULTS: School Default Grade
Semester 2, 2018



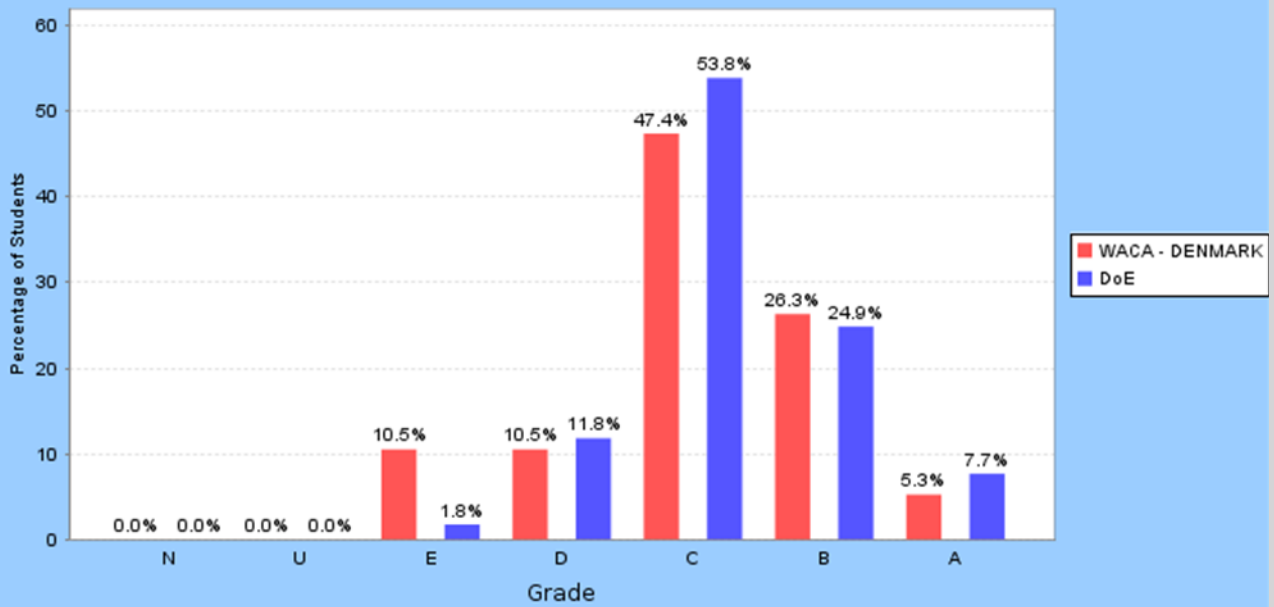
Grade Distribution
Year 12 PPS Plant Production Systems SCHOOL RESULTS: School Default Grade
Semester 2, 2018



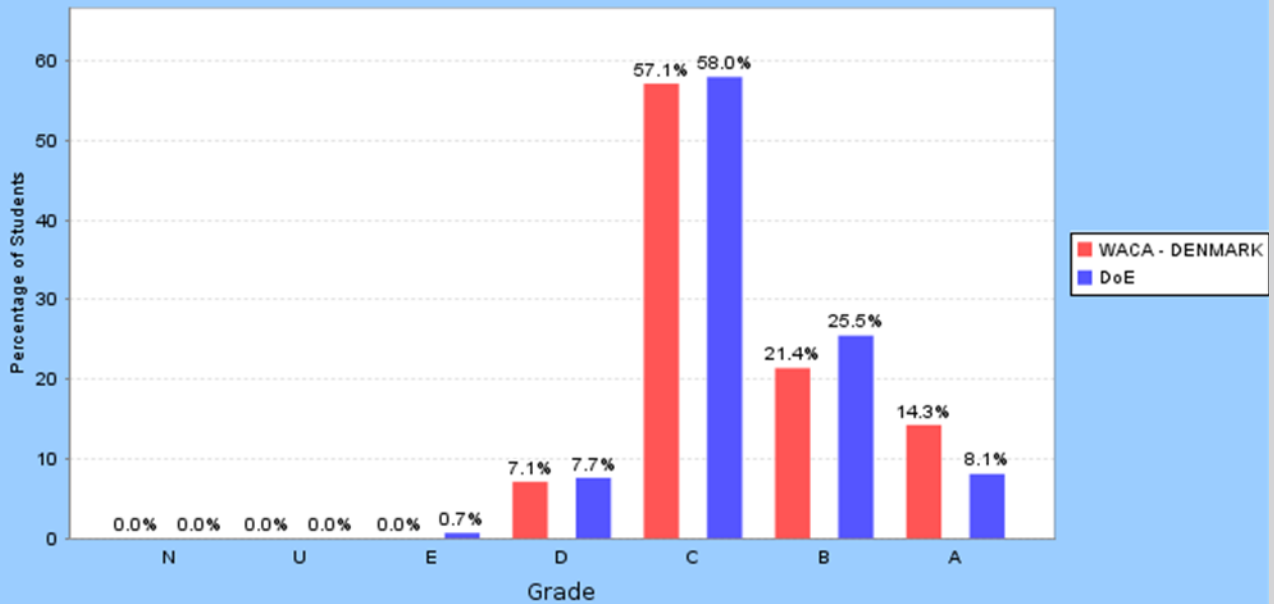
Grade Distribution
Year 12 ATAR APS (12) SCHOOL RESULTS: School Default Grade
Semester 2, 2018



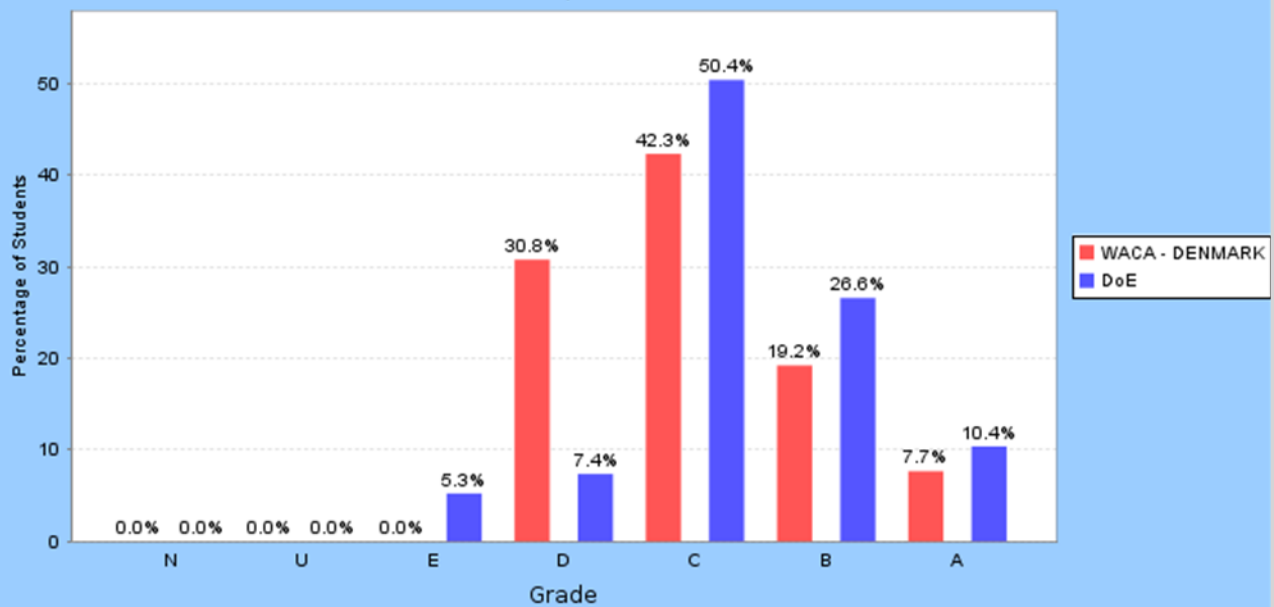
Grade Distribution
Year 12 General APS (12) SCHOOL RESULTS: School Default Grade
Semester 2, 2018



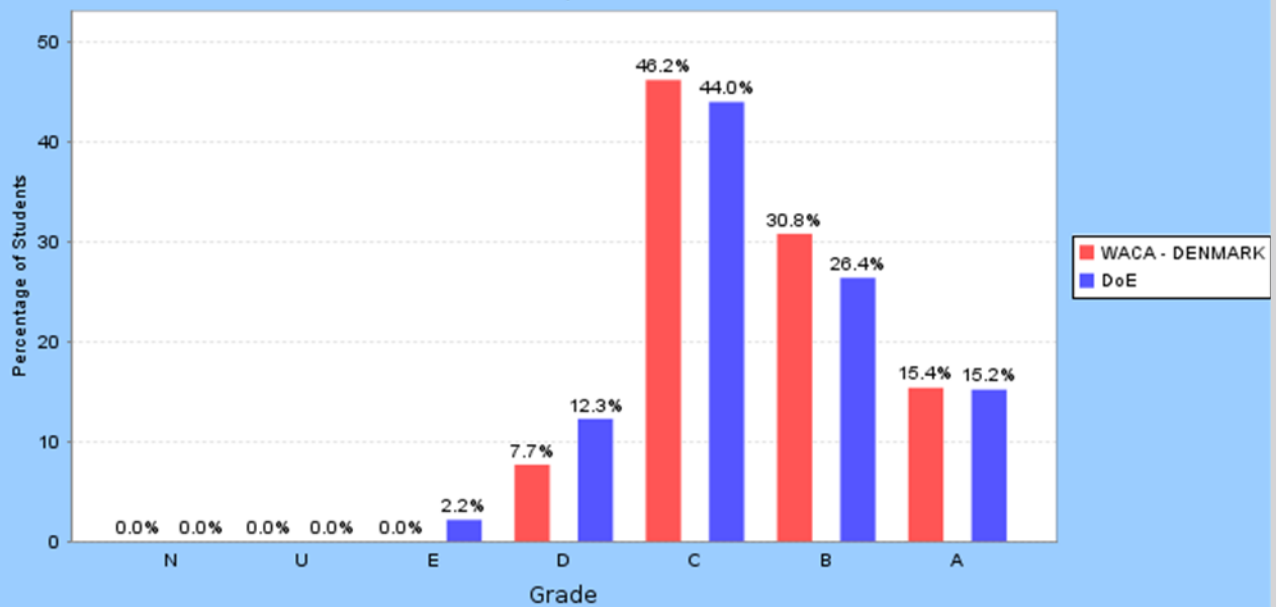
Grade Distribution
Year 12 ATAR ENG (12) SCHOOL RESULTS: School Default Grade
Semester 2, 2018



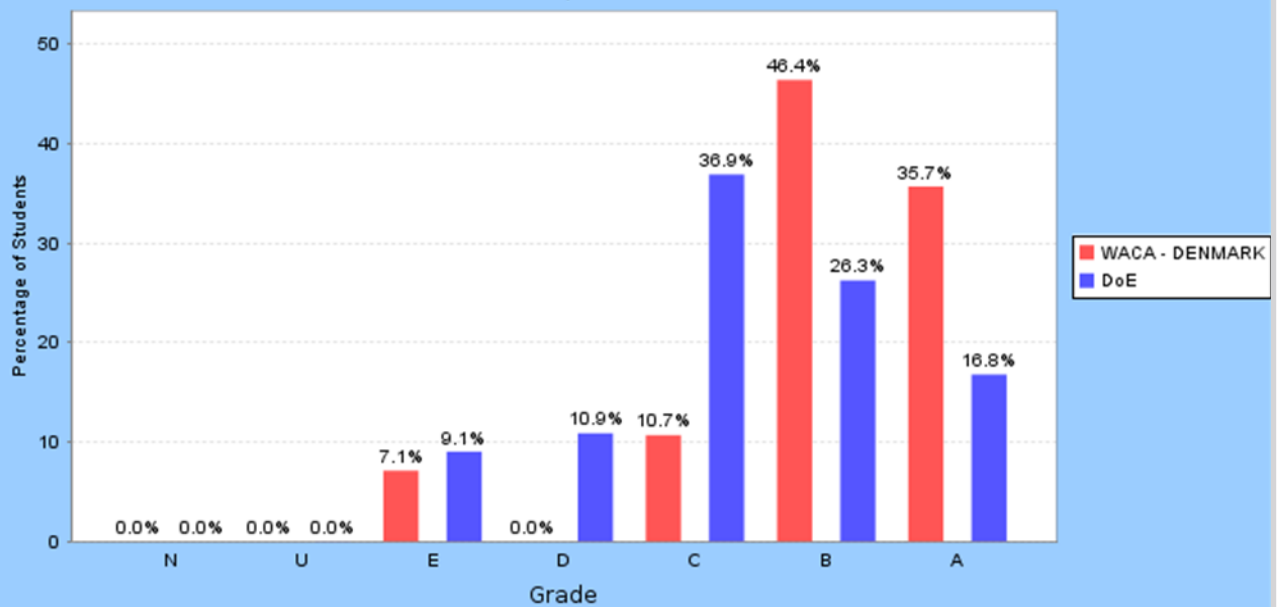
Grade Distribution
Year 12 General ENG (12) SCHOOL RESULTS: School Default Grade
Semester 2, 2018



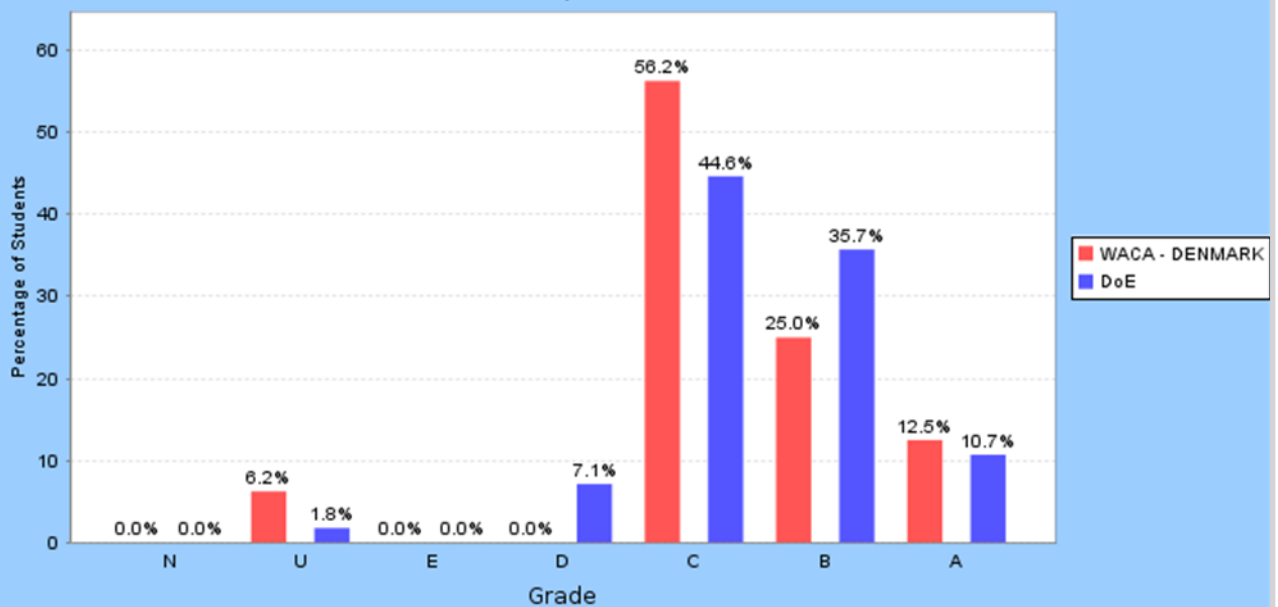
Grade Distribution
Year 12 ATAR MAA (12) SCHOOL RESULTS: School Default Grade
Semester 2, 2018

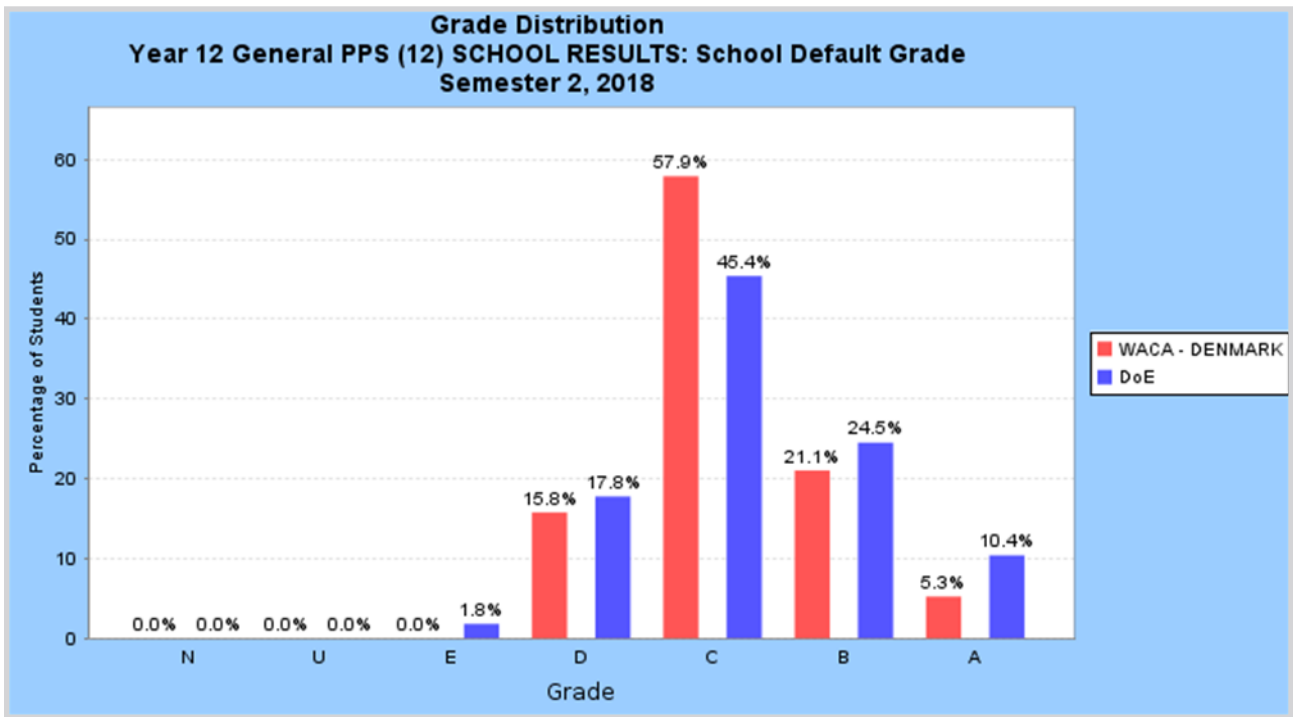


Grade Distribution
Year 12 General MAE (12) SCHOOL RESULTS: School Default Grade
Semester 2, 2018



Grade Distribution
Year 12 ATAR PPS (12) SCHOOL RESULTS: School Default Grade
Semester 2, 2018





Science at Work

The Year 10 Science course in particular complements the delivery of:

- Animal Production Systems
- Plant Production Systems, and
- Biology

In Year 11 and 12.



Farewell to long standing Farm Supervisor



The most significant staff changes in 2018 was the retirement of Farm Supervisor, Fred Knight. Fred spent the best part of forty years at the College in the Farm Supervisor role—an amazing contribution.

Fred was instrumental in the development and implementation of many of the Farm's enterprises and achievement of training outcomes for students.

Australian Wool Industry School Wethers Challenge

The AWI Merino Wethers Competition was designed to educate students in feeding and preparing Merino sheep for competition. The students worked with the Merino wethers (provided by Barloo Merino Stud of Gnowangerup), which were delivered to the College farm for a six month period. Students were involved in the management of the sheep leading up to the challenge. The sheep were judged on wool and meat yield, commercial value, presentation and handling at the Katanning Show in August 2018.

Farm Manager Report

The year 2018 was a year with quite a number of staffing changes on our College farm. The biggest of these being the retirement of our Farm Manager Fred Knight, who had been Farm Manager for close to 40 years. Fred's retirement meant that for 8 months the College farm was managed by an Acting Farm Manager. Other staffing changes included a new ATO in each of our Beef, Dairy, Sheep and Horticulture enterprises.

The 2018 season started got off to a slow start. We managed to achieve a pasture germination in Mid to late April and then had three weeks in May with no rain and warm temperatures. This caused us to almost lose the germination that we had and made feed tight on the farm. As part of our annual pasture maintenance program we soil tested all the paddocks on the farm, and applied fertiliser as recommended, reseeded close to 100ha of pasture with ryegrass, oats and clover and spread 350 tonnes of lime. Because of the slow start to the season feed for the stock was tight until early August. The season finished with a cooler than normal spring when we harvested 1120 round bales of silage and 280 round bales of hay.

Some of the highlights on the farm included:

- Installing a fully computerized irrigation system to the horticulture enterprise.
- Establishment of a 190 tree Avocado Orchard.
- Best Silage feed test was 17.7% protein and 11.2ME.
- Excellent results with the shearing training and a valuable learning experience for some students.
- Sold 2017 wool clip into a rising value market. Highlights were AAAM bales making 1740 cents/kilo and all Merino lines selling well including Merino PCS at 1420 cents/kilo.
- Some Merino lines being between 17 and 18 micron with a very high yield of up 79%.
- Won Champion Extra Heavyweight Steer Carcass at Perth Royal Show.
- Turning off our first draft of lambs by the end of November and a second draft by mid-January.



The farm also delivered two Certificate III and two Certificate II qualifications.

- 38 students achieved a certificate II in Agriculture.
- 14 students achieved a certificate III in Agriculture.
- 11 students achieved a certificate II in Wool Handling.
- 14 students achieved a certificate III in Advanced Wool Handling.

A number of students also attended Wagin Woolorama, Perth Royal Show and Albany Show and did well leading, parading and showing animals, as well as representing the College in a positive light.



Performance

Enterprise Stock 2018

Dairy: Bulls, cows, heifers, steers, calves	265
Beef: Commercial and Simmental Stud	251
Sheep: Corriedale, Merino F1 flocks	1035

Financial Contribution to the Trust

2018	\$262,216.60
2017	\$267,364.00
2016	\$244,994.08
2015	\$205,240.68

Excellence and innovation in agricultural education

Beef Cattle Sales	
2018	\$77,036.66
2017	\$106,615.24
2016	\$158,338.28
2015	\$75,810.50

Horse Agistment	
2018	\$21,924.92
2017	\$15,363.92
2016	\$7,281.93
2015	\$4,783.13

Dairy Cattle Sales	
2018	\$19,664.25
2017	\$51,658.58
2016	\$59,518.42
2015	\$37,972.88

Milk Sales	
2018	\$414,164.09
2017	\$420,520.59
2016	\$338,207.91
2015	\$329,519.11

Horticulture Sales	
2018	\$9,900.10
2017	\$3,049.75
2016	\$6,902.75
2015	\$5,599.90

Viticulture Sales	
2018	\$7,344.55
2017	\$8,468.63
2016	\$5,772.63
2015	\$6,500.89

Sheep Sales	
2018	\$48,035.06
2017	\$48,726.58
2016	\$47,406.50
2015	\$67,543.48

Wool Sales	
2018	\$41,046.50
2017	\$14,066.29
2016	\$46,592.43
2015	\$48,505.95

Highlight 2018...Saw the establishment of a new enterprise, an Avocado Tree Orchard. 190 trees were planted in December 2018 and will provide diversity in training outcomes for students completing Plant Production Systems WACE courses and Cert II in Agriculture competencies



Terry DeVos
Farm Manager



Residential Manager Report

2018 provided boarding accommodation for 96 of the 138 students overall. The College has three dormitories for both female and male students. The College employs 13 permanent residential staff inclusive of the Head of Residence. We have 7 male and 5 female residential supervisors and draw from a casual pool of 5 staff. Residential staff work on annualised hours and rosters are drawn up so that there is appropriate gender balance on all shifts. The College has an allocation for cleaning staff, laundry staff and a part-time gardener.

Residential Activities – Semester 1 and Semester 2

Students are involved in local sporting clubs and participate informally in activities that include music, dance or art activities. Water based activities such as scuba diving, Skipper's Ticket, kayaking, sailing or fishing are offered through the College. There was a high number of students participating in the Skipper's Ticket in 2018. We will continue to offer these activities and encourage students to get involved.

Student Wellbeing and Health

Student wellbeing and mental health support is provided throughout the year. The College is allocated 0.28FTE for the Education Department Psychologist, who meets with students on a voluntary basis for an allocated appointment once per week. Students can also be referred to a mental health specialist outside the College at the request of the student. We have a school chaplain who is available one day per week. The chaplain offers support to both students and staff and supervises students who participate in motor bike riding mid-week. Mental health and wellbeing continue to be a focus for the residential staff. Providing high-level care and supervision for students is a priority, as is providing training for staff to remain current in areas such as Gatekeeper (Suicide Prevention Training) and Youth Mental Health First Aid. Parents/guardians of our students are always encouraged to provide accurate up to date information to the College regarding mental health issues. This enables 'best practice' care and attention for the student.

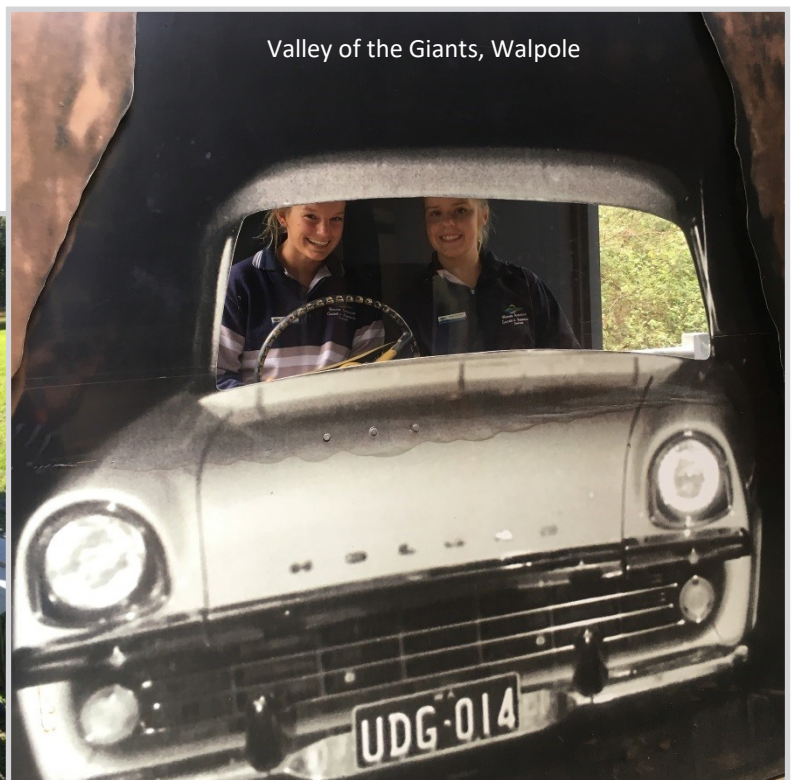
Our kitchen staff continue to offer high quality meals produced from quality produce. Catering for a variety of dietary requirements can be challenging, however our team in the kitchen provide a service second to none.

Orientation

55 new boarding and day students attended the Orientation Program. This involved partially implementing the Rock and Water program. Basically, Rock and Water is a course that is delivered over a number of lessons to students in primary or high school. A series of exercises and games are practised to develop confidence and self-reflection. The games are martial arts based, and students learn to block, hit strike shields, stand strong, negotiate using "rock" or "water" verbal approaches, walk away from a fight, consider alternatives to aggression, and develop understandings about who they are, their intuitive feelings and their personal direction. Following on from this students experienced some of the natural wonders of the region such as the Tree Top Walk and cruising on the Walpole Inlet.

Below: Students are involved in local sports clubs and activities such as cycling.

Right: Orientation helps students to develop friendships and self-confidence.





Harvey Sports Carnival

The combined Agricultural College's sports carnival was held over the weekend in March 2018. A squad of 45 students and 5 staff attended and the College placed third overall.

Mid-Winter College Ball

The Mid-Winter Ball commenced with parents joining students and staff for pre-Ball photographs and food, followed by a sit down meal for students in the College dining room. 120 students were transported to the Denmark Riverside Club for the event. The chosen Belle and Beau of the Ball were Madeleine McLernon-Clarke and David Pell. Jayne Thompson and Willow Tarpay were crowned Prince and Princess 2018.

Red Shield Appeal 2018

Each year the College participates in the annual Salvation Army Red Shield appeal school challenge to raise money to support those in need. For residential students it was a commitment of 2-3 hours and it was a rewarding experience for those involved with students raising \$2,500.00.



AFL Trip

Students once again headed off to Perth to watch their beloved Eagles. This trip allowed students to visit the Perth Zoo and enjoy a very relaxing weekend with staff and their peers.

Country Week

A Country Week team of 56 students and 8 staff, including our school Chaplain and volunteers, competed in a variety of games during the annual coming together of all country schools. This week provides a valuable team building opportunity for more than just sport. Denmark won the mixed touch rugby competition and we look forward to defending our title in 2019.



Raising Awareness

The Colour Run, our fourth participation in this event, also known as the Happiest 5k on the Planet, is a unique paint race that celebrates healthiness, happiness and individuality. Now the single largest event series in the world, the Colour Run has exploded since the debut event. It has more than tripled in growth, hosting more than 300 events in 50+ countries in 2018.

Graduation Dinner

Rustler's Steak House was again the restaurant of choice for the 40 graduating students to enjoy a farewell dinner, followed by gelato and a walk through town. Congratulations to our graduating class of 2018.

Peaceful Bay Camp

44 students and 7 staff (inclusive of two kitchen staff) attended the annual beach camp for both residential and day students. This annual camp is the first opportunity to go off-site and relax together, enjoying the beautiful weather at the end of Summer 2018.

After School Surfing

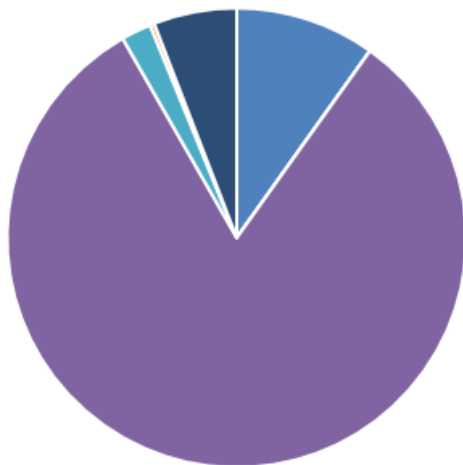
This activity is run through residence and enjoyed by all students under the close watch of local surf instructor Mike Neunuebel and residential staff.

Kelli Gillies

Residential Manager



Cash Position (as at 31/12/2018)



■ General Fund Balance	■ Deductible Gift Funds	■ Trust Funds
■ Asset Replacement Reserves	■ Suspense Accounts	■ Cash Advances
■ Tax Position		

Source	Balance
General Fund Balance	\$ 74,830.93
Deductible Gift Funds	\$ -
Trust Funds	\$ -
Asset Replacement Reserves	\$ 621,542.94
Suspense Accounts	-\$ 16,018.52
Cash Advances	-\$ 2,344.00
Tax Position	-\$ 44,446.00
Total Bank Balance	\$ 633,565.35

Bank Account Composition	%
General Fund	11.81%
Reserves	98.10%
Suspense / Tax	4.22%

Collection Rate

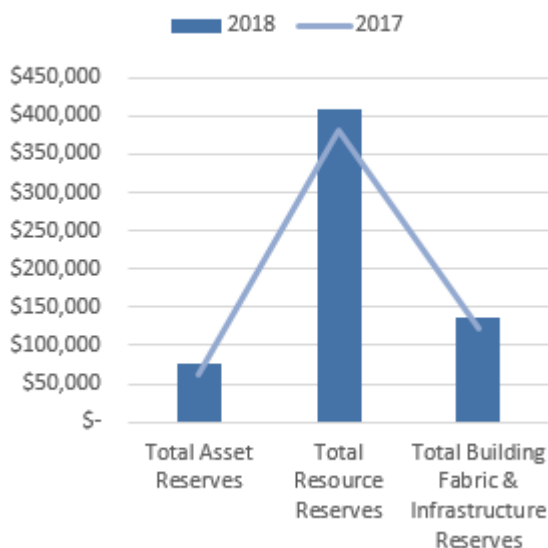
97%*

*overall rate for all year groups covering voluntary contributions, fees, charges and extra cost optional components.

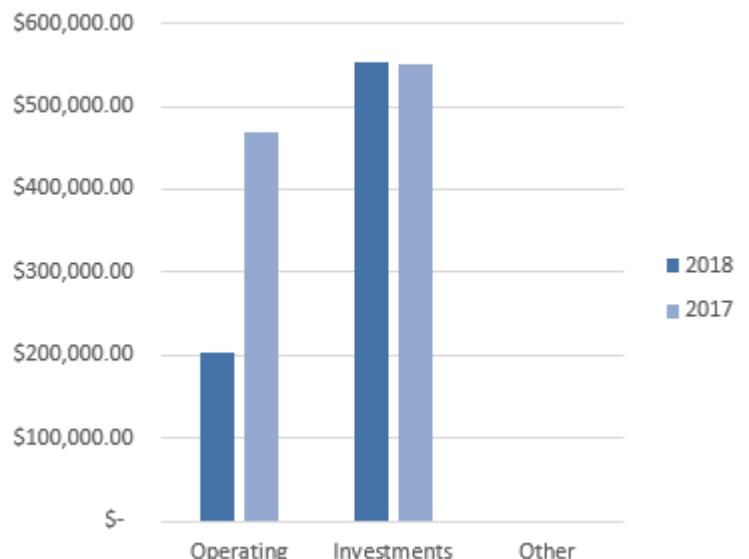
Revenue (Cash and Salary Allocation)

	Budget	Actual
Voluntary Contributions	\$ 6,004.75	\$ 6,814.98
Charges and Fees	\$ 225,461.58	\$ 223,748.81
Fees from Facilities Hire	\$ 27,450.72	\$ 18,187.03
Fundraising/Donations/Sponsorships	\$ 29,926.75	\$ 28,355.67
Commonwealth Govt Revenues	\$ 8,000.00	\$ -
Other State Govt/Local Govt Revenues	\$ -	\$ -
Revenue from Co, Regional Office and Other Schools	\$ -	\$ -
Other Revenues	\$ 53,063.67	\$ 59,050.89
Transfer from Reserve or DGR	\$ 93,280.55	\$ 93,280.55
Residential Accommodation	\$ -	\$ -
Farm Revenue (Ag and Farm Schools only)	\$ 705,118.03	\$ 643,229.54
Camp School Fees (Camp Schools only)	\$ -	\$ -
Total Locally Raised Funds	\$ 1,148,306.05	\$ 1,072,667.47
Opening Balance	\$ 447,558.69	\$ 447,558.69
Student Centred Funding	\$ 1,107,239.51	\$ 1,107,533.51
Total Cash Funds Available	\$ 2,703,104.25	\$ 2,627,759.67
Total Salary Allocation	\$ 4,509,464.00	\$ 4,509,464.00
Total Funds Available	\$ 7,212,568.25	\$ 7,137,223.67

Replacement Reserves (funds held)



Reconciled Bank Balances

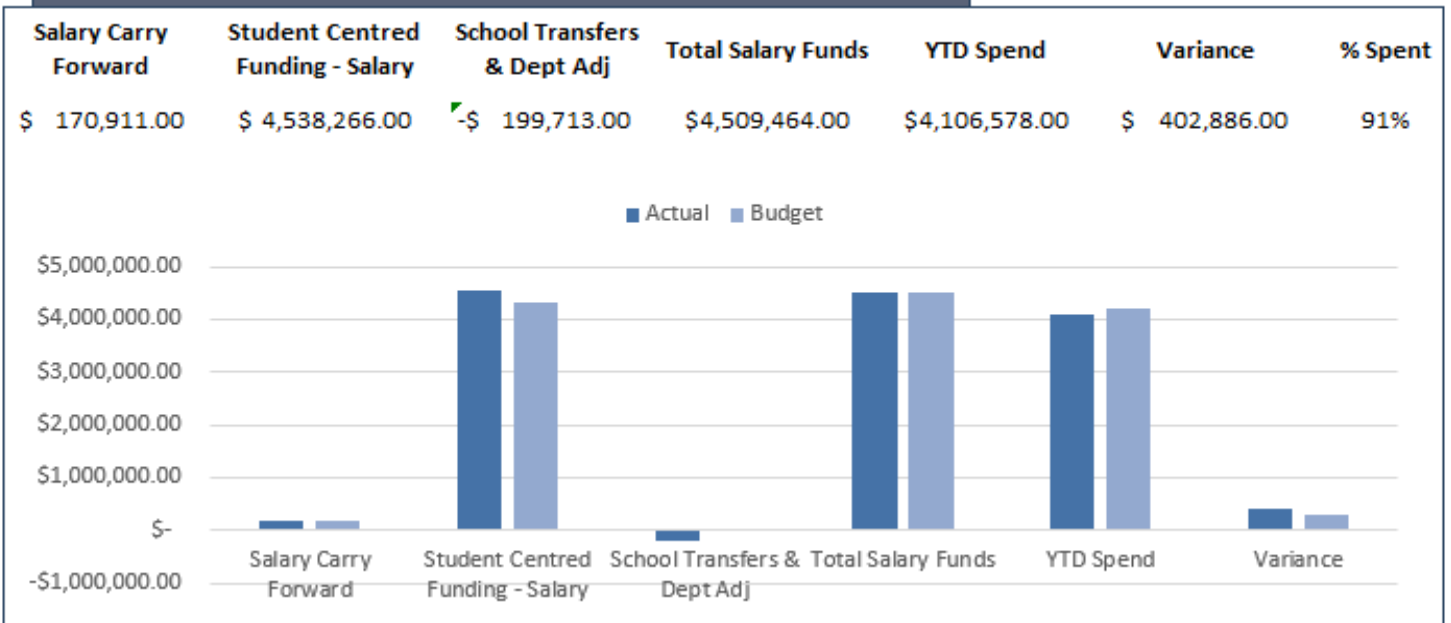


Manager Corporate Services

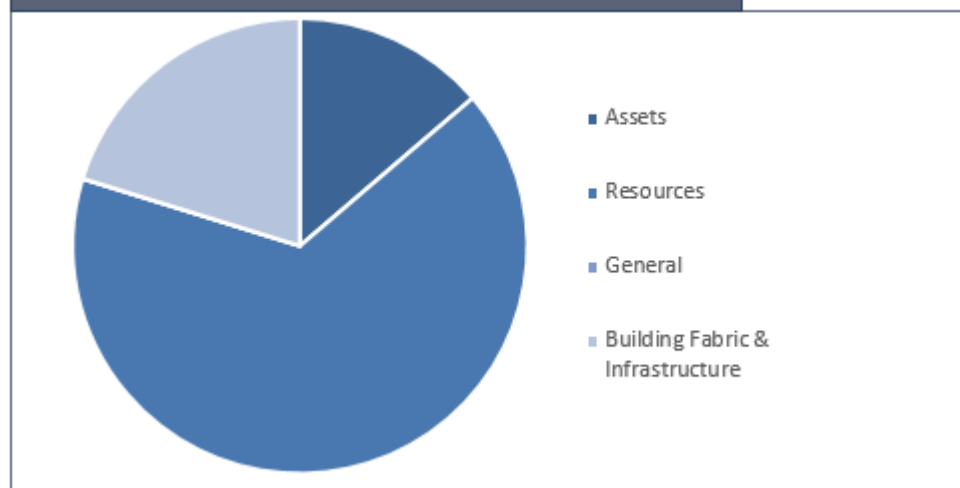
Expenditure (Cash and Salary Allocation)

	Budget		Actual
Administration	\$ 116,278.03	\$	89,934.79
Lease Payments	\$ -	\$	-
Utilities, Facilities and Maintenance	\$ 546,306.35	\$	505,160.62
Buildings, Property and Equipment	\$ 344,402.29	\$	393,546.40
Curriculum and Student Services	\$ 240,455.81	\$	202,592.62
Professional Development	\$ 35,423.65	\$	28,967.94
Transfer to Reserve	\$ 151,055.45	\$	151,055.45
Other Expenditure	\$ 63,664.19	\$	61,357.71
Payment to CO, Regional Office and Other Schools	\$ -	\$	40.00
Residential Operations	\$ 185,539.03	\$	200,582.90
Residential Boarding Fees to CO (Ag Colleges only)	\$ -	\$	-
Farm Operations (Ag and Farm Schools only)	\$ 677,398.16	\$	657,474.71
Farm Revenue to CO (Ag and Farm Schools only)	\$ 260,515.82	\$	262,215.60
Camp School Fees to CO (Camp Schools only)	\$ -	\$	-
Total Goods and Services Expenditure	\$ 2,621,038.78	\$	2,552,928.74
Total Forecast Salary Expenditure	\$ 4,200,615.00	\$	4,106,578.00
Total Expenditure	\$ 6,821,653.78	\$	6,659,506.74
Cash Budget Variance	\$ 82,065.47	\$	74,830.93

Salary Allocation vs Charged Expenditure (SCFM)



Funds Transferred to Reserve



Craig Armstrong
Manager, Corporate Services

Graduation Awards and Scholarships

Scholarships	Recipient
Albany Region Commercial Horticulturist Scholarship	Natasha Nairn
Australian Defence Force Long Tan Leadership & Teamwork Awards	Murray Findlay & Luke Barker
Neville Munns Memorial Shearing Scholarship—WA Shearing Industry Ass.	Tom Darwin
Old Collegians George Elliott Memorial Scholarship	Lauren Hegarty
Royal Agricultural Society Scholarship	Deahna Keam
Denmark Chamber of Commerce Business Management Award	Bernice Wanden
Shire of Denmark Agricultural College Scholarship	Amy Riddiough
WA Farmers Agriculture Ambassador Scholarship	Jayne Thompson
Dr. Sally Talbot Award	Luke Barker
WA Asparagus Group Scholarship	Jacy Mostert
Stirling to Coast Farmers Group Scholarships	Bernice Wanden & Jessica James

Special Awards	Recipient
AFGRI Dux Award	Mikayla Moolman
Runner Up Dux Award	Georgia Keast
AFGRI Top Student & Australian Super for Excellence in VET	Mia McLeod
Highest Achiever Farm Practice	Owen Ford
Design & Technology Program	Luke Barker
Don't Walk Past Ambassador Award	Zac Mostert
Farmwest Award—Cattle Handling	Mia McLeod
Rick Milson & Milne Feeds Achievement Award	Kayla Emmerton
RetraVision Female Residential Award	Chelsea Butterworth
MLA Terry Redman Male Residential Award	Travis La Bianca
Haddon Family & Ballawinna Angus Citizenship Award	Travis La Bianca
Slater Gartrell Sports Award—Male & Female	Jack Nairn & Tahnee Montgomery

Certificates of Excellence	Recipient	Certificates of Excellence	Recipient
Farm Practice: Sheep	Scott Lamont	Farm Practice: General	Willem Coetzee
Farm Practice: Viticulture/Hort.	Ambrose Taylor	Farm Practice: Beef Cattle	Ben Hegney
Farm Practice: Workshop	Georgia Keast	Biology ATAR	Mikayla Moolman
Farm Practice: Dairy	Owen Ford	Highest Achiever AusChem	Dylan Whitehurst
Farm Practice: Meat Processing	Travis La Bianca	Equine	Tahnee Montgomery
Forest Growing & Management	Talia Smith	Mathematics Essential	Mia McLeod
Cons. & Land Management	Kayla Emmerton	English General	Katelyn Russ
Animal Production Systems ATAR	Mikayla Moolman	English ATAR	Mikayla Moolman
Animal Production Sys. General	Katelyn Russ	Automotive Mechanical	Luke Barker
Plant Production Systems ATAR	Mikayla Moolman	Metals	Willem Coetzee
Mathematics Applications ATAR	Mikayla Moolman	Plant Production Systems Gen.	Mia McLeod
Accounting & Finance	Jack Nairn	Hospitality	Katelyn Russ
Career & Enterprise	Katelyn Russ	Safe Farms	Willem Coetzee



WESTERN AUSTRALIAN
COLLEGE of AGRICULTURE
Denmark

872 South Coast Highway

Denmark WA 6333

Phone: 08 9848 0200

e: denmark.wacoa@education.wa.edu.au

www: denmarkag.wa.edu.au

f: www.facebook.com/DenmarkAgCollege/