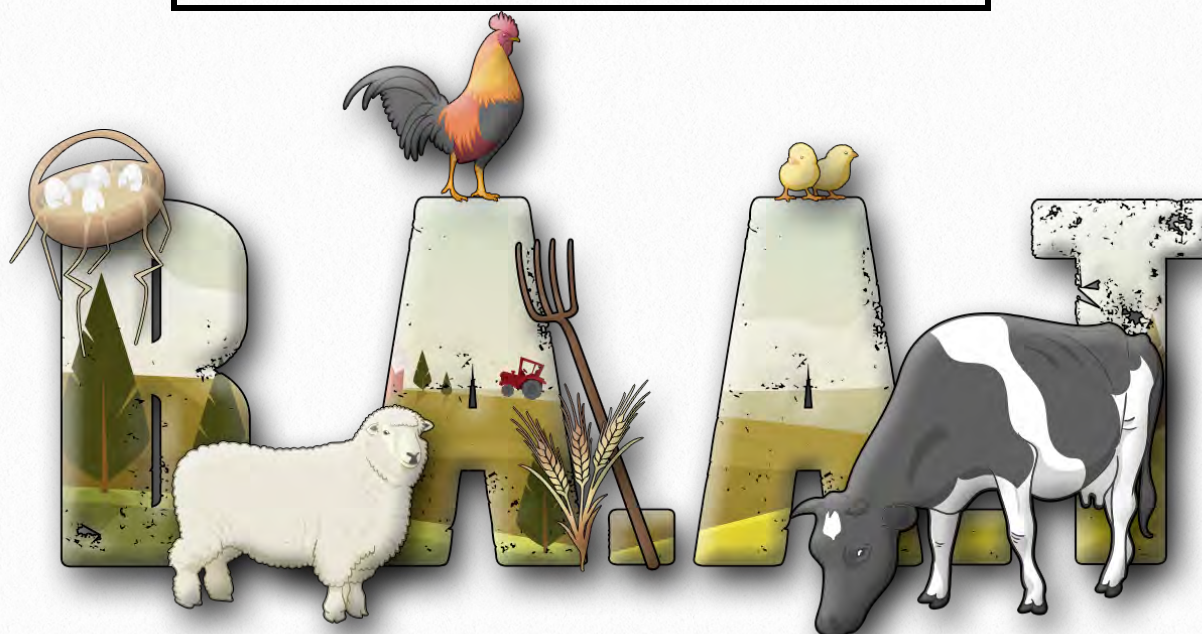
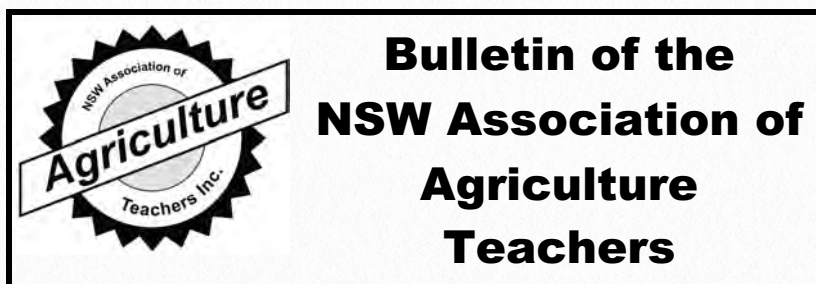


Spring Edition – No. 56, 2017.



**Jennifer Wilson year 10 (Marian Catholic College, Kenthurst)
involved in poultry judging at Penrith Show.
Steward John Pearce in the background**

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Meet Treasurer

Graham Quintal



Teaching since..... 1972 and retired at the end of 2010 – so I gave 39 years of service to NSW public schools.

Previous Careers..... Not really, but I did share-farm on a wheat / sheep property for a year in 1969 before heading to tertiary education at Wagga Agricultural College and Armidale Teachers College

Schools..... Nyngan, Mudgee and Pennant Hills High
However, I stepped out of the classroom between 1990 and 1998 for three appointments – Computer Education Consultant, Environmental Education Officer, both with Western Region Department of Education; and Landcare Education Officer with the then Department of Land and Water Conservation, which is now closely aligned with Local Land Services.

Hobbies..... I am a keen woodworker and metalworker, and since retiring have taught several blocks of Woodwork. I have manufactured a number of pieces of furniture for our home, as well as serving platters, chopping boards, and decorative boxes. I have recently completed a number of blacksmithing courses to support my latest hobby of knife-making and knife collecting.

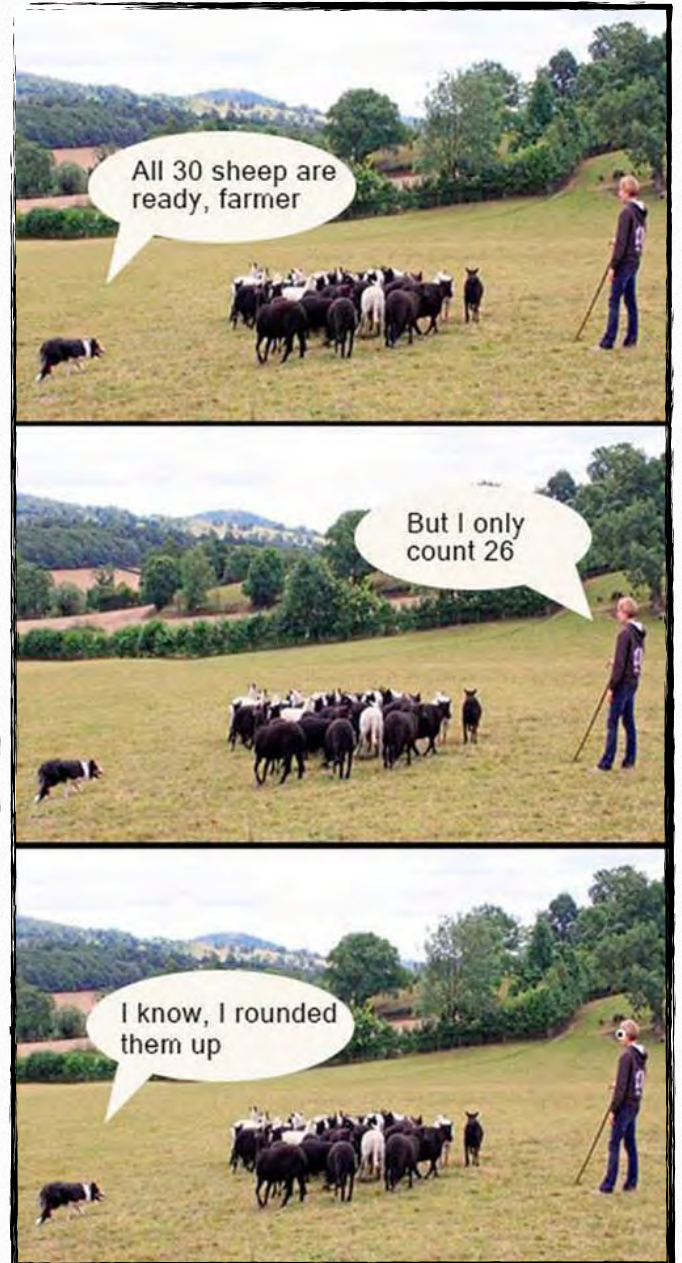
To New Teachers..... As an Ag teacher you are in the unique position of providing your students with an understanding of where all their food, clothing and housing basics come from. You will find your students respond well to an individual and caring relationship, and that the practical work will develop skills in all of them. I find that if you are passionate about your teaching you will draw the students with you on a fabulous journey. And, for any of you feeling that you are losing energy, look to your colleagues, seek PD and re-invent yourself. And for the best PD there is nothing that can beat HSC marking. It is one of the best things you can involve yourself in. And finally, I found the most pleasurable period of my teaching was in the last 2 years. I was almost tempted not to retire. Best wishes to all of you.

2

Reports



*Memos courtesy of Farming Memes @
AgricultureBanterPage*



Please send network meeting summaries to baat.editor@gmail.com



Presidents Report

Luciano Mesiti

Hello hard working Ag teacher members,

It's hard to believe we are three quarters of the way through the year - another action filled year starts to wind down gradually - but not yet, there are reports to write!

Recently I've had the pleasure of working with a number of primary schools to assist them with implementing agriculture into their stages. Changes in the Science and Technology syllabus in stages 1 to 3 has seen an increased need from primary teachers for support in implementing Ag based activities to meet the outcomes. I have seen how rewarding it can be to engage kids at the early stages to get them inspired for learning about Ag in high school. Many of you may already have links with your feeder schools. I truly believe this can provide a great deal of social capital in your communities which will lead to better links with parents. This type of engagement can be challenging to manage and I would be interested to hear how others make it happen. If anyone has stories about their links/programs with local schools, please share it with us to add to next months BAAT.

By now you would have heard about the new farm biosecurity requirements for school farms. If you haven't already done so, you have until 1 October to have a biosecurity plan in place. There are many templates available online including from MLA, NSW DPI and from [farm biosecurity website](#). A great classroom exercise to get your students assistance to complete.

The [National Ag Educators Association \(NAAE\) conference](#) will be held in Tasmania next January and the [PIEFA conference](#) in Canberra during April next year. These conferences

will be very good opportunities to network with Ag educators from all over Australia. We are organising to have both conferences registered for NSW teacher accreditation. I will have an update on this in term four via email to everyone.

Lastly, the new NSWAAAT website is taking form and will be ready for release to the world in term 4. Many new functions include online payments and members only pages. It's been worth the wait!

Happy Term 4 everyone.

Luciano



Sydney Branch of NSWAAAT Report



The Term 3 meeting saw us visit McCarthy Catholic College in Emu Plains. The school is situated just off the Nepean River and backing on to a small area of bushland.

We started with a tour around the facilities – including the back block just outside the school fence which is being used for fencing practice & P.I and some sustainability work.

We also briefly saw the large chicken coop and the cattle area.

Issues discussed at the subsequent meeting included:

- Dave Randall discussing progress at the WSU Glasshouse at Hawkesbury. He brought along samples of various varieties of heirloom tomatoes to try which was appreciated by all.
- There was some discussion around the new Biosecurity changes with various people sharing their experience with completion of the requirements.

- Luciano started a discussion on promoting Agriculture teaching as a career on the back of AgVision. There was some discussion of creating a short video to promote Ag teaching as a career on the new NSW AAT website.

Thank you to McCarthy Agriculture teachers Nadine Sibbald and Amanda Moore for hosting the meeting.

Scott Graham (Head of Agriculture, Barker College)



McCarthy's Winning Camel Display at Penrith Show

3



CSU guide for HSC students: Agriculture

Excellent resource for senior Ag students and their teachers. Also accommodates other subjects.

Kahoot - lots of Ag quizzes.

Interactive competitive multiple choice quizzes that involves the whole class. Works well on iPads.

Forest Learning Free Teacher Packs

Do you need inspiration, fast ideas and free forest and wood product resources for your class?

Royal Agriculture Society Agriculture Resources

Primary and Secondary school resources about where our Food comes from. Free to download.

Do you have an **animal welfare** question? Your first stop should be the [Animals in Schools Website](#)

Is your **bushfire evacuation plan** for your school farm up to date? Good resource [here](#)

Stage 5 - Marian Catholic College, Kenthurst



MARIAN CATHOLIC COLLEGE KENTHURST

Assessment Task Notification

Year 10 (Stage 5) 2017

KLA:	TAS	Subject:	Agriculture Technology
Student Name:	Teacher:		
Assessment Task No: 3	Term: 3	Week:	Weighting: 20%

Due Date:

Topic: Beef Cattle Research Report

Student Confirmation: This is all my own work. I have not plagiarised the work of others.

Student Signature:

Assessment Instructions:

This task should be handed in as a printed document.

The task must be formatted as follows: 12 point font, 1.5 line spacing, include subheadings, include page numbers.

Context for the Task:

In class you have been learning about beef cattle enterprises. This task requires you to research beef cattle breeds, design a calendar of operations and demonstrate awareness of animal welfare codes of practice that beef cattle farms must adhere to. As farms can often create safety challenges it is paramount to be able to identify hazards in order to prevent injury. In the practical component you will be asked to demonstrate your knowledge of hazard awareness when working with cattle.

Task Description:

- A. Agriculture System – Beef Cattle Breeds (approximately 1 page)
 - a. Select one beef cattle breed to research
 - b. For your chosen breed complete the following:
 - i. Outline the breeds origin.
 - ii. Describe characteristics of the breed.
 - iii. Explain the distribution of the breed in Australia making links to the climate.
- B. Production and Marketing – Calendar of Operations (approximately 1- 2 pages)
 - a. Create a calendar of operations for a Beef Cattle Farm which includes the following
 - i. Describe the activity.
 - ii. Explain why the activity is carried out during the specified time.
- C. Sustainable and Ethical Practice – Animal Welfare (approximately 1 page)
 - a. Choose four activities featured in your calendar of operations.
 - b. For each activity discuss animal welfare implications of conducting the activity. In your answer make reference to Animal Welfare Codes of Practice.
 - c. Evaluate one activity from your calendar of operations in relation to animal welfare codes of practice.
- D. Implementing cooperative and safe work practices – Practical
 - a. You will be asked to identify five hazards associated with working with the calf.
 - b. For each hazard you must investigate a solution to prevent the hazard causing an injury to staff and students.
 - c. Demonstrate safe handling of the school calf.
- E. Bibliography
 - a. Using the Harvard system of reference create bibliography with a minimum of 5 references.

Task Rubric:

Agriculture System – Beef Cattle Breeds – 5 Marks

5.1.1 explains why identified plant species and animal breeds have been used in agricultural enterprises and developed for the Australian environment and/or markets	Did not identify the origin, characteristics or distribution of one beef cattle breed.	Identified the origin of one beef cattle breed found in Australia. Identify a characteristic of one beef cattle breed. Outlined the distribution of one beef cattle breed in Australia.	Identified the origin of one beef cattle breed found in Australia. Outlined the characteristic of one beef cattle breed. Outlined the distribution of one beef cattle breed in Australia.	Outlined the origin of one beef cattle breed found in Australia. Described multiple characteristics of one beef cattle breed. Described the distribution of one beef cattle breed in Australia and make some links to location of the breed and climate.	Outlined the origin of one beef cattle breed found in Australia. Described multiple characteristics of one beef cattle breed using subject specific terminology. Explained the distribution of one beef cattle breed in Australia and make significant links to location of the breed and climate.
	0	1	2	3-4	5

Production and Marketing – Calendar of Operations – 5 Marks

5.3.4 explains and evaluates the impact of management decisions on animal production enterprises	Did not design a calendar of operations and did not present relevant activities.	Did not design a complete calendar of operations for a beef cattle enterprise. or Did not outline the activities in the calendar of operations. or Identified why each activity is carried out during that time.	Designed an incomplete calendar of operations for a beef cattle enterprise. Outlined each activity in the calendar of operations. outlined why each activity is carried out during that time.	Designed a calendar of operations for a beef cattle enterprise. Outlined each activity in the calendar of operations. Described why each activity is carried out during that time.	Designed an extensive calendar of operations for a beef cattle enterprise. Described each activity in the calendar of operations. Explained why each activity is carried out during that time.
	0	1	2	3-4	5

Sustainable and Ethical Practice – Animal Welfare – 5 Marks

5.4.3 implements and justifies the application of animal welfare guidelines to agricultural practices	Did not identify animal welfare implications from activities in the calendar of operations.	Identified animal welfare implications for one-two activities from the calendar of operations. Described one activity from the calendar of operations making.	Outlined animal welfare implications for two-three activities from the calendar of operations. Discussed one activity from the calendar of operations making reference to the Australian Government Animal Welfare Codes of Practice.	Discussed animal welfare implications for three-four activities from the calendar of operations. Explained one activity from the calendar of operations making reference to the Australian Government Animal Welfare Codes of Practice.	Discussed animal welfare implications for four activities from the calendar of operations. Evaluated one activity from the calendar of operations making clear links to the Australian Government Animal Welfare Codes of Practice.
	0	1	2	3-4	5

Implementing cooperative and safe work practices – Practical – 5 Marks

5.6.1 applies Occupational Health and Safety requirements when using, maintaining and storing chemicals, tools and agricultural machinery	Does not complete practical activities at the Agriculture Plot safely.	Identifies one hazard at the Agriculture Plot. Or Demonstrates some skill in handling the calf with assistance.	Identifies to the teacher two to three hazards at the Agriculture Plot. Outline some hazard prevention ideas to the teacher. Demonstrates skill in handling the calf but lacks confidence	Identifies to the teacher five valid hazards related to working with the calf. Outline to the teacher a clear and valid solution to preventing the hazard. Demonstrates confidence and skill handling the calf.	Identifies to the teacher five valid hazards related to working with the calf. Outline to the teacher a clear and valid solution to preventing the hazard. Demonstrates confidence and skill handling the calf.
	0	1	2	3-4	5

Study Requirements:

While time will be given in class to develop this assessment task, it is expected that time is spent at home researching and completing the task.

NB: As noted in your Assessment booklet (found in Marian Connect), a medical certificate is required if you are absent for this task.

Overall Mark

/ 20

Teacher comments:

Stage 5 - Griffith High School

YEAR 9 AGRICULTURE 2017 **PRACTICAL SKILLS ASSESSMENT**

Student Name: _____ Yearly Assessment Weight: 20%

Teacher: Mr Chirgwin MARKS: /25 Assessment No: 3/5

Report Outcome: 5.6.1 – Applies Workplace Health & Safety requirements when using and maintaining machinery equipment

TASK: Students will be asked to drive the tractor through a set course on dates set by your teacher. Students will be selected in random order. You can gain marks by not even operating the tractor. See Mr. Chirgwin if you have any problems prior to the assessment date.

TRACTOR SKILLS	YES	NO
1. Student is wearing correct Personal protective equipment (PPE), Closed shoes, Ear Protection (3 Marks)		
2. Student can identify the Roll over Protective Structure (ROPS) (1 Mark)		
3. Student can identify the Power Take Off (PTO) (1 Mark)		
4. Student is able to identify the 3 point linkage (1 Mark)		
5. Student mounted the tractor on the left hand side and fastened seat belt (1 Mark)		
6. Student is able to start the tractor with no problems and without instruction (1 Mark)		
7. Student is able to lift the 3 point linkage and implement off the ground without instruction (1 Mark)		
8. Student is able to select the correct gear for driving (1 Mark)		
9. Student is able to select the correct driving speed for the activity (1 Mark)		
10. Student is able to drive and turn through the course without hitting any of the markers or fences (Up to 3 Marks) reduce 1 mark for every marker the tractor contacts.		
11. Student is able to engage and use the PTO without any assistance (1 Mark)		
12. Student is able to disengage the PTO without any assistance (1 Mark)		
13. Student is able to reverse the tractor and park in the allocated spot and lower equipment without any assistance (1 Mark)		
14. Student is able to correctly shut down the tractor without any assistance. (Park Brake etc) (1 Mark)		
16. Student is able to unfasten seatbelt and dismount on the correct side. (1 Mark)		
17. Student drove the tractor in a safe manner 100% of the time. The driver was always aware of people and markers around him/her by looking in all directions at appropriate times. Teacher Judgement (3 marks)		
18. Student is able to complete other practical skills for: a) Routine maintenance of machinery & equipment and maintaining the workplace as directed (3 Marks)		
TOTAL MARKS		
/	/25	/100%

Teacher's Comment:



Griffith High School

2017 Year 9 Agriculture Assessment

Student Name:

Teacher: Mr. Chirgwin

Due Date: Friday 1st September, 2017 (Week 7)

Marks: /68

Assessment Weight: 20%

Assessment No. 4/5

Report Outcome: 5.5.2 – Collects and analyses agricultural data and communicates using a range of technologies.

This Assessment Booklet: This booklet has being structured so you can complete this whole assessment task within it if you chose.

Topic: Machinery and Current Issues

PART A: Machinery

TASK: Complete a written report on Five (5) different machines used on a farm.

For each machine students need collect the following information.

1. Machine name: e.g. Motorbike
2. Brand name: e.g. Honda
3. Magazine picture, photo or drawing
4. Its use or uses on a farm
5. Approximate value



PART B: Current Issues

TASK: Collect three articles relating to current issues in agriculture. (Newspaper, Magazine or Internet)

Some examples of current issues are. Lack of sufficient winter rainfall, Damming of rivers, Land-clearing laws, Livestock prices, Competition from imports, Drone technology, Farm safe, Environmental concerns, Interest rates, Fuel prices, Gene technology, Water regulation, Water buy-back schemes and there are many others.

For each article students will need to:

1. Display the article (Glue in the article in the allocated space).
2. Highlight three (3) main points in the article.
3. Provide a list and definition of three words in each article.
4. Outline the most important message of each article.
5. How could this issue be resolved?



PART C: Structure

Grammar

TASK: Writing must include the following for both Part A & B:

- a) Paragraph structure
- b) Capital letters
- c) Full stops
- d) Commas etc
- e) Persuasive vocabulary
- f) Technical vocabulary
- g) References for where you sourced your information



Machine One	
Machine Name	
Brand Name	
Picture/Photo/Drawing	
Uses	
Approximate Value	

Outcome 5.5.2 – TEACHER MARKING GUIDELINES		
CRITERIA SHOULD INCLUDE	MARKS	YOUR MARK
<ul style="list-style-type: none">Farm machine named, Brand/Model named, picture/photo/drawing included, two uses of the machine, approximate value	6	
<ul style="list-style-type: none">Any missing from the above	<5	

Teacher's Comment:

Machine Three	
Machine Name	
Brand Name	
Picture/Photo/Drawing	
Uses	
Approximate Value	

Outcome 5.5.2 – TEACHER MARKING GUIDELINES		
<u>CRITERIA SHOULD INCLUDE</u>	<u>MARKS</u>	<u>YOUR MARK</u>
<ul style="list-style-type: none"> Farm machine named, Brand/Model named, picture/photo/drawing included, two uses of the machine, approximate value 	6	
<ul style="list-style-type: none"> Any missing from the above 	<5	

Teacher's Comment:

Machine Four	
Machine Name	
Brand Name	
Picture/Photo/Drawing	
Uses	
Approximate Value	

<u>Outcome 5.5.2 – TEACHER MARKING GUIDELINES</u>		
<u>CRITERIA SHOULD INCLUDE</u>	<u>MARKS</u>	<u>YOUR MARK</u>
<ul style="list-style-type: none"> Farm machine named, Brand/Model named, picture/photo/drawing included, two uses of the machine, approximate value 	6	
<ul style="list-style-type: none"> Any missing from the above 	<5	

Teacher's Comment:

Machine Five	
Machine Name	
Brand Name	
Picture/Photo/Drawing	
Uses	
Approximate Value	

<u>Outcome 5.5.2 – TEACHER MARKING GUIDELINES</u>		
<u>CRITERIA SHOULD INCLUDE</u>	<u>MARKS</u>	<u>YOUR MARK</u>
<ul style="list-style-type: none"> Farm machine named, Brand/Model named, picture/photo/drawing included, two uses of the machine, approximate value 	6	
<ul style="list-style-type: none"> Any missing from the above 	<5	

Teacher's Comment:

Current Issue No. 1

Display the article (you can fold it up)

Highlight three (3) main points of the article

Use a highlighter to highlight your points above

Provide a list and a definition of three (3) words in each article

Word

Definition

Outline the main message of the article

How could this issue be resolved?

Outcome 5.5.2 – TEACHER MARKING GUIDELINES

<u>CRITERIA SHOULD INCLUDE</u>	<u>MARKS</u>	<u>YOUR MARK</u>
<ul style="list-style-type: none">Article displayed, three (3) major points highlighted, three (3) main words stated and defined, two (2) dot points for outline of article & issue resolved	10	
<ul style="list-style-type: none">Any missing from the above	<9	

Teacher's Comment:

Current Issue No. 2**Display the article (you can fold it up)****Highlight three (3) main points of the article**

Use a highlighter to highlight your points above

Provide a list and a definition of three (3) words in each article**Word****Definition****Outline the main message of the article****How could this issue be resolved?****Outcome 5.5.2 – TEACHER MARKING GUIDELINES****CRITERIA SHOULD INCLUDE****MARKS****YOUR MARK**

- Article displayed, three (3) major points highlighted, three (3) main words stated and defined, two (2) dot points for outline of article & issue resolved
- Any missing from the above

10

<9

Teacher's Comment:

Current Issue No. 3**Display the article (you can fold it up)**

Highlight three (3) main points of the article	Use a highlighter to highlight your points above	
Provide a list and a definition of three (3) words in each article	<u>Word</u>	<u>Definition</u>
Outline the main message of the article		
How could this issue be resolved?		

Outcome 5.5.2 – TEACHER MARKING GUIDELINES

<u>CRITERIA SHOULD INCLUDE</u>	<u>MARKS</u>	<u>YOUR MARK</u>
• Article displayed, three (3) major points highlighted, three (3) main words stated and defined, two (2) dot points for outline of article & issue resolved	10	
• Any missing from the above	<9	

Teacher's Comment:

References
(provides a list A-Z of
references use

Outcome 5.5.2 – TEACHER MARKING GUIDELINES

<u>CRITERIA SHOULD INCLUDE</u>	<u>MARKS</u>	<u>YOUR MARK</u>
<ul style="list-style-type: none"> References listed in A-Z surname order 	3	
<ul style="list-style-type: none"> A variety of reference/sources used 		
<ul style="list-style-type: none"> Any missing from the above 	<2	

Teacher's Comment:

Outcome 5.5.2 – TEACHER MARKING GUIDELINES

<u>CRITERIA SHOULD INCLUDE</u>	<u>MARKS</u>	<u>YOUR MARK</u>
<ul style="list-style-type: none"> Assessment presented in a clear and concise manner with particular attention on a-f of Part C requirements 	5	
<ul style="list-style-type: none"> Any missing from the above 	<4	

Teacher's Comment:

Final Mark & Teacher's Comment: **/68** **/100%**


Worksheets: Australia's Sheep & Beef Industry

Australia's Sheepmeat Industry 2016

Complete the following questions after downloading and reading MLA Sheepmeat Fast Facts 2016:

https://www.mla.com.au/globalassets/mla-corporate/prices--markets/documents/trends--analysis/fast-facts--maps/mla_sheep-fast-facts-2016.pdf


1. Calculate the % of sheep in each of the States

State	Sheep Numbers (millions)	% of Sheep	
Qld			
NSW			
Vic			
Tas			
SA			
WA			
TOTAL			

2. Calculate the **average** number of sheep and lambs (combined) per property in Australia. (Show your working.)

Answer:

3. Calculate the tonnage of lamb and mutton production for each state. (Note: **cwt** refers to the weight of the carcass, not the liveweight.)

State	Lamb (tonnes)	Mutton (tonnes)	
Qld			
NSW			
Vic			
Tas			
SA			
WA			
TOTAL			

4. Calculate the tonnes of lamb exported to the United States of America.

.....

5. Calculate the tonnes of lamb exported to the Middle East.

.....

6. In 2015-2016, Australia exported 241,913 tonnes of lamb valued at \$1.78 billion and 147,889 tonnes of mutton valued at \$700 million. Using these figures, calculate the price per kilogram for:

(i) Export lamb (ii) Export mutton

Give possible reasons for the difference in price between lamb and mutton.

.....
.....

7. Kuwait, Qatar, Bahrain, Jordan and UAE receive the bulk of our live sheep exports. Calculate how many sheep are sent to each of these countries.

Kuwait Qatar

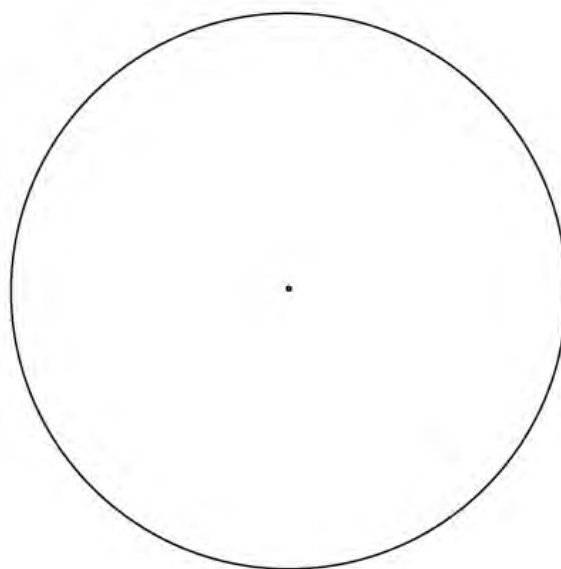
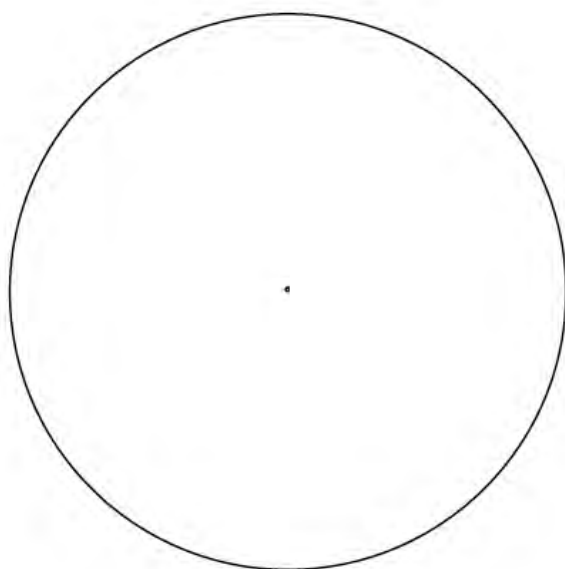
Bahrain Jordan

UAE

8. Draw 2 pie charts of:

(i) the top 10 lamb and mutton **producing** countries, and

(ii) the top 10 lamb and mutton **exporting** countries.




Australia's Beef Industry 2016

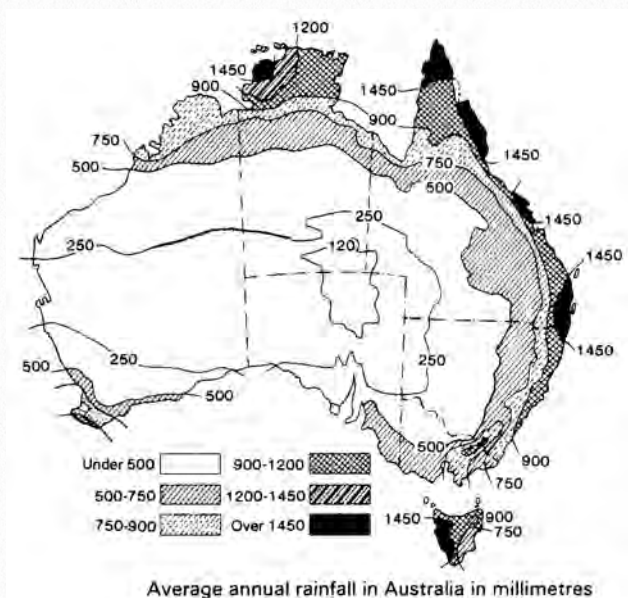
Complete the following questions after downloading and reading **MLA Beef Fast Facts 2016**:

https://www.mla.com.au/globalassets/mla-corporate/prices--markets/documents/trends--analysis/fast-facts--maps/mla_beef-fast-facts-2016.pdf

1. Complete the table below

State	Cattle numbers (millions)	% of Cattle	
Qld			
NSW			
Vic			
Tas			
SA			
WA			
NT			
TOTAL			

2. Which state has the most cattle? _____
3. What percentage of Australia's beef production is sourced from NSW? _____
4. How many cattle properties are there in Australia? _____
5. What is the gross value of cattle production to the Australian Economy? _____
6. Looking at the rainfall distribution map below, suggest reasons for the relatively low cattle numbers in SA and WA.



7. What are the 4 largest beef producing countries? _____

8. What are the 4 biggest beef exporting countries? _____

9. What is the average annual consumption of beef per person in Australia? _____
10. What % of the world's cattle are found in Australia? _____
11. How many head of live cattle are exported to China? _____
12. What percentage of Australian beef is exported? _____
13. To which two countries does Australia export most of its beef? _____
14. The US is a large beef producer. Why would it need to import Australian beef? _____

15. Suggest reasons for the relatively large numbers of beef exports from Australia as compared to other countries. _____

16. What is the value of live cattle exports to the Australian Economy? _____
17. What country takes the largest percentage of our live exports? _____
18. What states export the largest percentage of live cattle? _____
19. Make an attempt to work out the average value of each beef animal to the Australian economy? _____

20. What organisation has produced the Beef Fast Facts document? _____

Resources from Industry

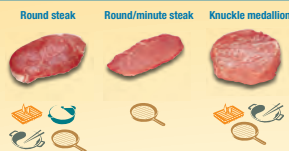


Australian **beef** & **lamb** cuts

1 Beef Shin



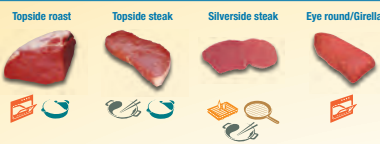
3 Beef Knuckle



1 Lamb Leg



2 Beef Silverside/Topside



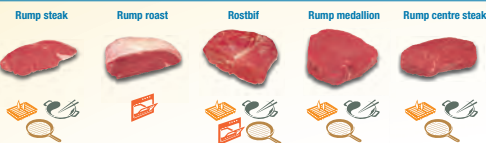
2 Lamb Chump



3 Lamb Tenderloin



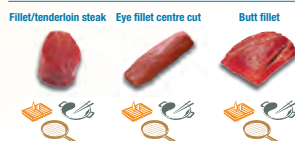
4 Beef Rump



4 Lamb Shortloin



5 Beef Tenderloin



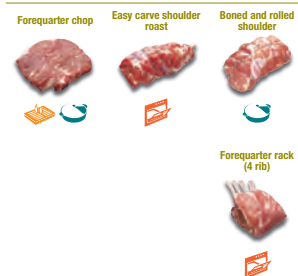
6 Lamb Loin



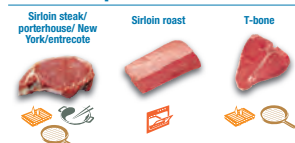
6 Beef Skirt



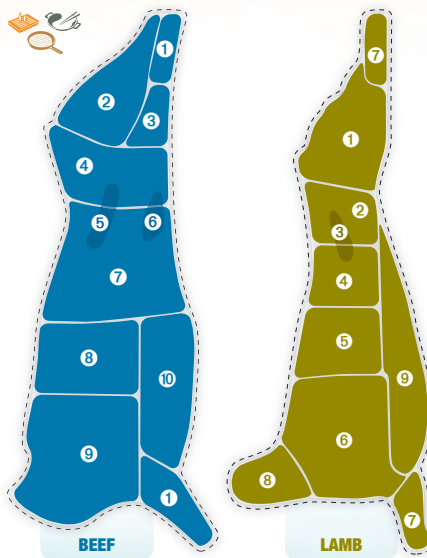
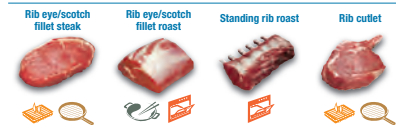
6 Lamb Forequarter



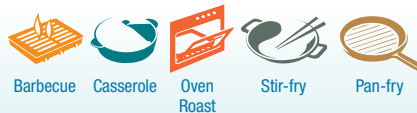
7 Beef Striploin



8 Beef Cube Roll

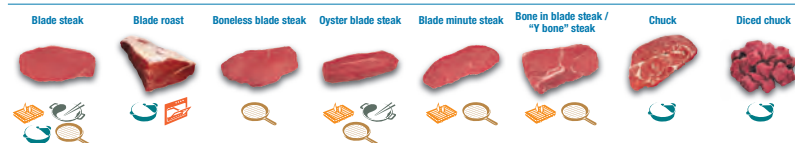


LEGEND

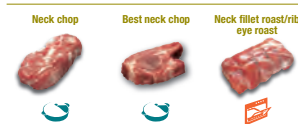


themainmeal.com.au

9 Beef Blade/Chuck



8 Lamb Neck



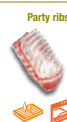
10 Beef Brisket



11 Beef Other



9 Lamb Party Rack



10 Lamb Other



Boer Goat Breeders Association of Australia

ACN 067 659 081
ABN 840 676 590 81

Office & registrations: ABRI, UNE,
Armidale NSW 2351
Tel: 02 6773 5177
Fax: 02 6772 1943
Email: boergoat@abri.une.edu.au
Webpage: www.australianboergoat.com.au



NEW SOUTH WALES BRANCH

Chairman:

Richard Zidarew
Tel : 02 6859 2956

Email: richard@mn8design.com

Secretary : Brad Taylor

Tel : 0413 692 616

P O Box 382

TUMUT NSW 2720

Email : kaylenboers@gmail.com

Boer goats 'meating' the market

Looking for a new farm enterprise?

Boer Goats may be what you are looking for!

The NSW Branch of BGBAA is actively seeking to partner with schools to build interest in Boer goats.

Why Boer Goats?

- Easy care small ruminants that offer many of the husbandry activities of sheep and cattle without the need for a large area or shearing.
- Relatively small size allows students to undertake care without the fear often associated with cattle.
- Friendly and supportive breed association who are willing to assist.
- Well suited to a wide variety of environments.
- Showing opportunities – Boer Goat sections are conducted at a number of shows including; Sydney Royal, Bathurst, Wagga Wagga, Queanbeyan, Newcastle, Maitland and Lismore
- Boer goat kids are highly marketable for breeding or for meat

Interested in learning more or discussing opportunities to purchase stock / partnering with a breeder? Contact Chairperson or Secretary listed above.





Upcoming opportunities in Science with the University of Sydney. We have opportunities for students, and for teachers, programs delivered on campus and activities delivered to your school (in the post!).

Gifted and Talented Discovery Program Qualifying exam: You can now register for copies, for students to sit in November 2017 for entry into the workshop in July 2018.

Tea-Composition – Soil Science for Schools: With lesson plans and kits provided, students in Stages 3, 4 and 5 will be engaged in practical activities including field tests, laboratory style experiments, classroom analyses and digital reporting. The lesson plans are written to tie in to science, mathematics and agriculture syllabuses.

ASELL schools: This is a great opportunity to get a head start on the depth study in the new curriculum. Science and engineering academics facilitate PD workshops to develop investigations to enhance student inquiry skills.

Science+Quiz=Comedy: For National Science Week, two teams of top-notch scientists will battle it out in an arena of knowledge and wits under the watchful eye of host Adam Spencer and brains trust Dr Karl Kruszelnicki. The University of Sydney invites you to come along and watch this spectacular comedy quiz show of survival of the fittest.

Spectacular Science 2017: Registrations will open in the next couple of months, but you can sign up here to be notified first when registrations open.

2018 Science and Innovation Awards

Grants to realise big ideas for agriculture from young rural innovators

Grant applications are now open for the 2018 Science and Innovation Awards for Young People in Agriculture, Fisheries and Forestry. If you're 18-35, this is your chance to apply for a grant of up to \$22,000 to fund your project on an innovative or emerging scientific issue that will benefit Australia's primary industries. [Click Here for more information.](#)

Cotton Gap Year Program

Are you or do you know someone who is finishing their year 12 exams this year and looking to take a gap year in 2018? Or still working out how to spend it? They may be interested in Cotton Gap - a program that supports and connects school leavers, linking them to work opportunities in the Australian cotton industry straight after school.

Cotton Gap is facilitated by Cotton Australia, the industry's peak body, and is an opportunity to experience work in one Australia's most innovative and forward-thinking agricultural industries. Cotton Gap ran successfully for the first time last year, placing participants in mixed and varied farming enterprises across rural and regional NSW and QLD. Cotton Gap also provides the opportunity to:

Learn new skills

Form new friendships

Experience living in rural and regional communities

Build savings

Undergo training to set you up for further work opportunities

Create a network to help you pursue a career in agriculture

Get involved in local community activities and sport

Participants will be will be supported with initial training to ensure job-readiness and opportunity for ongoing training. Cotton Australia is calling for expressions of interest from students, parents and teachers for the 2018 Cotton Gap year. Please contact Angela Bradburn at [Cotton Australia](#) T 02 9669 5222 M 0448 016 824 E angelab@cotton.org.au

BIOSECURITY ACT 2015

Notification

Biosecurity means protecting the economy, environment and community from negative impacts of pests, diseases, weeds and contaminants. The *Biosecurity Act 2015* provides provisions to manage such risks that could cause a significant biosecurity impact on the economy, environment or community of NSW. The provisions of the Act include a duty to notify the presence or suspect presence of prohibited matter, a biosecurity event or a notifiable pest or disease.

What is prohibited matter?

Prohibited matter could have a significant adverse effect on the economy, environment or community and is considered as high risk. Prohibited matter is listed in Schedule 2 of the Act and includes pests, diseases and weeds which are not found in either throughout Australia, or more particularly, throughout NSW. This includes pests and diseases such as foot and mouth disease, anthrax, citrus canker, khapra beetle and red imported fire ant.

What is a biosecurity event?

A biosecurity event is something that has, is having or could have a significant biosecurity impact. In terms of the Act, a biosecurity event does not involve prohibited matter, for example a biosecurity event could be the sudden death of a flock of birds or a herd of cattle. A person is required to immediately notify a biosecurity event.

What is a notifiable pest or disease?

The *Biosecurity Regulation 2017* includes requirements for the notification of certain pests and diseases. These are not listed as prohibited matter because they are already found in NSW but still could have a severe effect on the economy, environment or community if not managed appropriately. This list can be found in Schedule 1 of the Regulation.

Who is required to notify a pest or disease?

In the case of a pest or disease that is listed as prohibited matter in Schedule 2 of the Act or a biosecurity event, the duty to notify applies only if the person has anything to do with the premise in which the pest and disease is identified or suspected. This could include the owner or occupier of the premise or a consultant.

In the case of a pest or disease that is listed as notifiable in Schedule 1 of the Regulation, the duty to notify applies to any person who is aware of the presence or suspected presence of the pest or disease.

Notification must occur within one working day of first becoming aware.

Pests and diseases that require notification are listed in:

- Schedule 2 of the Act
- Schedule 1 of the Regulation

For more information about the Act, visit our website or contact us:

W www.dpi.nsw.gov.au/biosecurityact

E biosecuritylegislation@dpi.nsw.gov.au

BIOSECURITY ACT 2015



Notification

- Some biosecurity matter the subject of a biosecurity zone. This includes citrus red mite and water hyacinth.
- Some biosecurity matter the subject of a control order such as banana bunchy top virus.

How do I Notify?

Notification to the NSW Department of Primary Industries can be made using several different contact points. Determining which contact number you use will be dependent on what you are notifying. Notification can be made by:

- Notification via reporting form on the NSW DPI website
dpi.nsw.gov.au/biosecurityriskreporting
- Emergency Animal Disease Watch
Hotline: 1800 675 888
- Invasive Plants & Animals Hotline 1800 680 244
- Exotic Plant Pest Hotline 1800 084 881
- Local Land Services on 1300 795 299
- DPI Biosecurity general enquiries number 1800 808 095
- contacting an office of NSW DPI or Local Land Services.

This notification needs include the following information:

- the person's full name and contact number
- details of the notifiable matter
- the location of the notifiable biosecurity matter
- details of the significant biosecurity impact if applicable
- any other requested information required.

For more information about the Act, visit our website or contact us:

W www.dpi.nsw.gov.au/biosecurityact

E biosecuritylegislation@dpi.nsw.gov.au

BIOSECURITY ACT 2015

Frequently Asked Questions

What is Biosecurity?

Biosecurity is the protection of our economy, environment and community from the negative impacts of pests, diseases, weeds and contaminants.

Biosecurity protects our \$14 billion primary industries and underpins the health and wellbeing of our environment and community. It keeps our waterways, state forests, parks and infrastructure free from serious pests and weeds, and it keeps our animals free of serious disease.

From 1 July 2017, how the government, industry and the community manage biosecurity in NSW is changing. *The Biosecurity Act 2015* replaces wholly or in part 14 separate pieces of biosecurity related legislation. By streamlining these into a single Act, we are reducing red tape, simplifying existing policies and procedures and facilitating greater flexibility in how we manage biosecurity risks – the focus is on risk and achieving outcomes.

WHAT ACTS ARE CHANGED BY THE BIOSECURITY ACT 2015?

The wholly repealed Acts are:

- *Animal Diseases and Animal Pests (Emergency Outbreaks) Act 1991*
- *Apiaries Act 1985*
- *Deer Act 2006*
- *Fertilisers Act 1985*
- *Non-Indigenous Animals Act 1987*
- *Noxious Weeds Act 1993*
- *Plant Diseases Act 1924*
- *Stock (Chemical Residues) Act 1975*
- *Stock Diseases Act 1923*
- *Stock Foods Act 1940*

The partly repealed Acts are:

- *Fisheries Management Act 1994 (Aquatic Biosecurity)*
- *Stock Medicines Act 1989*
- *Wild Dog Destruction Act 1921*

The Local Land Services Act 2013 (Part 10 Pests) will remain in place until management arrangements for pest are determined and Regional Pest Management Plans developed.

IS NLIS MAINTAINED UNDER THE BIOSECURITY ACT 2015?

Yes – the Biosecurity (National Livestock Identification System) Regulation 2017 has been made under the Biosecurity Act to give effect to the important national system for the identification and tracing of the movement of cattle, sheep, goats and pigs.

This regulation provides for the continuation of identification codes, information requirements, arrangements for registers, and some miscellaneous provisions including legislative support for the identification of stock that are chemically affected or posing a biosecurity risk. It also outlines revised stock identification districts to align more closely with the regional structure of the Local Land Services.

HOW DOES INDUSTRY SELF CERTIFICATION AND AUDITING WORK UNDER THE BIOSECURITY ACT 2015?

Over the past decade a range of industry schemes have been established which enable primary producers to certify that their own produce is free of certain pests and diseases to satisfy market access requirements. Examples include the

Interstate Certification Assurance (ICA) scheme and the Certification Assurance (CCA) scheme that operates across the plant industry.

The Biosecurity Act provides the legislative underpinning to ensure the integrity of these schemes. If other industry schemes are developed in the future, the Act will also provide the necessary legislative underpinning for them.

Auditing programs are used to monitor compliance and inform management and communication requirements with respect to the issue of registrations and permits, and certification requirements. Audit functions may be conducted by government or third party service providers depending on the biosecurity matter or issue subject of the audit.

HOW DOES THE NEW LEGISLATION MANAGE A BIOSECURITY EMERGENCY?

The Act provides special powers to authorised officers if there is an emergency occurring or about to occur, so that we can contain the situation until we are sure what we are dealing with. The powers include actions such as restricting movement or requiring information. An emergency order

will detail the management actions to be taken to contain and eradicate the risk.

NSW is a signatory to a national framework for responding to biosecurity emergencies so in some cases the required actions will be guided by these well-established protocols. Overall, the Biosecurity Act includes more flexible powers to ensure we can quickly respond to any significant biosecurity risk to our economy, environment, or community.

WHAT DOES 'SHARED RESPONSIBILITY' MEAN?

Shared responsibility means that we all have a responsibility to protect NSW from biosecurity risks to the best of our ability.

Biosecurity management is not, and cannot be, the sole responsibility of government. Governments provide the strategic direction and legislative underpinning to implement appropriate management arrangements in response to biosecurity risks.

Industry and community also play a crucial role in managing the biosecurity risk from their business, recreation or hobbies by:

- adopting biosecurity management plans to minimise the risk of spread of pest and diseases associated with their businesses
- managing weeds on their properties
- ensuring recreational equipment such as hiking boots, mountain bikes and fishing gear are thoroughly cleaned after use, and
- reporting suspecting sightings and participating in programs that relate to surveillance.

WILL I NEED TO HAVE A BIOSECURITY PLAN?

Biosecurity plans are a great way to protect your business from the negative impacts of pests, diseases weeds and contaminants. These plans will provide you with clear guidance about practices you should adopt in your day to day business activities but also provides clear guidance to anyone entering your property about what they must do to minimise biosecurity risks to you.

The general biosecurity duty under the Act requires that anyone who knows or ought reasonably know about a biosecurity risk has a duty to prevent, eliminate or minimise

that risk as far as reasonably practicable. A biosecurity plan will assist a person in knowing that there are biosecurity risks that could impact your business and what actions they should reasonably take to prevent or minimise those risks.

A biosecurity plan may be a requirement of some industry schemes, programs or certification arrangements, for example Livestock Production Assurance Program, J-BAS for market access to certain states and territories.

DO PUBLIC LAND MANAGERS AND PRIVATE LAND MANAGERS HAVE THE SAME OBLIGATIONS UNDER THE BIOSECURITY ACT 2015?

Yes – The Biosecurity Act is tenure neutral. This means that all land managers, regardless of whether it is private or public land, have the same responsibilities. The action taken by the land manager will be guided by legislation, regional strategic management plans (including weeds plans) and what is reasonably practicable to eliminate, prevent or minimise a risk. It is important to remember that the general biosecurity duty only applies to those who know or reasonably know about a risk and what is a reasonably practicable action to respond to the risk.

A fundamental principle of the Biosecurity Act is that biosecurity is everyone's responsibility. The tenure neutral approach adopted in the Biosecurity Act is consistent with this important principle.

WHAT IS HAPPENING WITH THE MANAGEMENT OF WEEDS IN NSW?

A State Weeds Committee with independent representation has been established to provide guidance to the NSW Government.

Local Land Services have established 11 Regional Weeds Committees to facilitate community input into weed planning. These Committees promote a landscape scale approach to managing weeds through various means including tenure neutrality and the general biosecurity duty.

Regional Strategic Weed Management Plans have been developed in consultation with a range of stakeholders. These plans

articulate local community expectations for managing weeds and form the basis for an enforceable general biosecurity duty.

Existing local control authorities continue to have functions in relation to weed control.

HOW WILL THE BIOSECURITY ACT 2015 HELP TO PROTECT THE ENVIRONMENT AND COMMUNITY?

The Biosecurity Act provides the framework to protect our community from the adverse effects from animal and plant pests, diseases and weeds to maintain market access and protect infrastructure and other important assets. The Biosecurity Act also provides the framework to help protect our environment from invasive pests and diseases allowing us to continue to enjoy our lifestyle.

The community plays an important role in managing biosecurity. The community interacts with many situations and landscapes and is a great source of surveillance information. The community also plays a key role in protecting our environment by reporting new pests and diseases and adopting good biosecurity practices when undertaking recreational activities.

WHERE DO I GET MORE INFORMATION ABOUT MY INDUSTRY?

We are continually engaging with industry, community and other partners to ensure we develop information and resources that are practical and relevant to you. We encourage you to visit our website where there is a variety of information and tools including videos and fact sheets on how you can help protect NSW from biosecurity risks.

For more information about the Act, visit our website or contact us:

W dpi.nsw.gov.au/biosecurityact

E biosecuritylegislation@dpi.nsw.gov.au

Does your school keep European Bees?



NSW GOVERNMENT dpi.nsw.gov.au

October is AFB Awareness Month

HELP STOP THE SPREAD OF AMERICAN FOULBROOD IN AUSTRALIA

NOTIFY WHERE ? 

TO NOTIFY NSW DPI OF AN AFB DETECTION
OR TO SEEK ADVICE CALL (02) 9741 4790
FOR MORE INFORMATION ON AFB VISIT
www.dpi.nsw.gov.au/biosecurity-bees

**INSPECT
TEST
NOTIFY
ACT.**

**NSW DEPARTMENT OF PRIMARY INDUSTRIES
(02) 9741 4790**

38th ANNUAL 2017 **FREE!**

Total Beekeepers' Field Day

Program

- 9.00 Welcome and Introduction
- 9.15 Beekeeping around the world
Bruce White OAM
- 9.45 Honey bee pollination
Dr Doug Somerville
- 10.15 Beekeeping courses, Qualifications and Traineeships
Elizabeth Frost
- 10.30 Morning tea - field demonstration of opening a beehive
- 11.30 Small Hive Beetle research
Dr Diana Leemon
- 12.00 National Biosecurity Code and AFB
Rod Burke NSW Bee Biosecurity Officer
- 12.30 Preparing hives and equipment for irradiation
Jamie Crighton Steritech
- 12.50 Honey: extracting and harvesting
Bill Winner
- 1.20 Lunch - field demonstrations of hiving a swarm, opening a native stingless beehive
- 3.00 Medicinal honey experiences
Dr Lamorna Osborne
- 3.30 Leptospermum research update
Simon Williams PhD candidate
- 4.00 Raffle draw and close

A free event for beekeepers and beekeepers-to-bee
Total College, Total Road
Paterson NSW
Saturday 14th of October 2017




Trade show, hive construction demonstrations, honey tastings and sales, food/coffee available all day.

 Department of Primary Industries   

4

Professional Development





Professional Learning
Research
Innovation

Agriculture After Dark

TWILIGHT SERIES LECTURE



Saxon Wright

CEO & Founder

Pablo & Rusty's Coffee Roasters

Thursday October 12th at 7:00pm

Rhodes Theatre, Barker College

91 Pacific Hwy, HORNSBY

Join us for the first ever 'Agriculture After Dark' Twilight Series Lecture. This first presentation will focus on 'Coffee', as we are joined by Saxon Wright, Founder of Pablo & Rusty's Coffee Roasters. Saxon has pioneered many initiatives that are now standards in the coffee industry. He has worked in the industry for over 20 years across the entire supply chain from farms and processing, roasting coffee and running cafés.

Saxon will speak to us about:

- His personal journey starting Pablo & Rusty's
- The **Agriculture** behind Coffee production
- The **Business** side of the coffee industry - (including issues around **Fairtrade**)
- **Sustainability** and **Research** on-farm and for the consumer
- **Tips** for the Coffee connoisseur and Home Barista
- Saxon will also provide a **coffee tasting** after the forum

Come and see the amazing new eco coffee cup made from coffee waste!

Only available to maximum of 200 guests, so please [RSVP your seat here](#) or via the website.

Dr Brad Merrick

Director of the Barker Institute

National Association of Agricultural Educators Conference



SAVE the DATE

2018 NAAE National Conference
Sunday 7 – Thursday 11, January 2018
Launceston, Tasmania

Celebrating diversity
and innovation in
agriculture and education

Sponsorship opportunities available
Contact: andrew.harris@education.tas.gov.au

Logos: Tasmanian agricultural education NETWORK, SUPPORTED BY Tasmanian Government

Illustration of various agricultural products: onion, wheat, strawberry, grapes, cow, sheep, chicken, pig, carrot, broccoli, apple, milk carton, cherries, and a fish.

We are looking forward to a strong NSW presence at the National Conference. The program looks to be full and loaded with exciting events. I am sure the Tasmanian Association is keen to showcase the best that agriculture has to offer. If you are planning on attending it would be advisable to book flights or passage on the ferry as early as possible, as they can book out quickly at that time of the year.

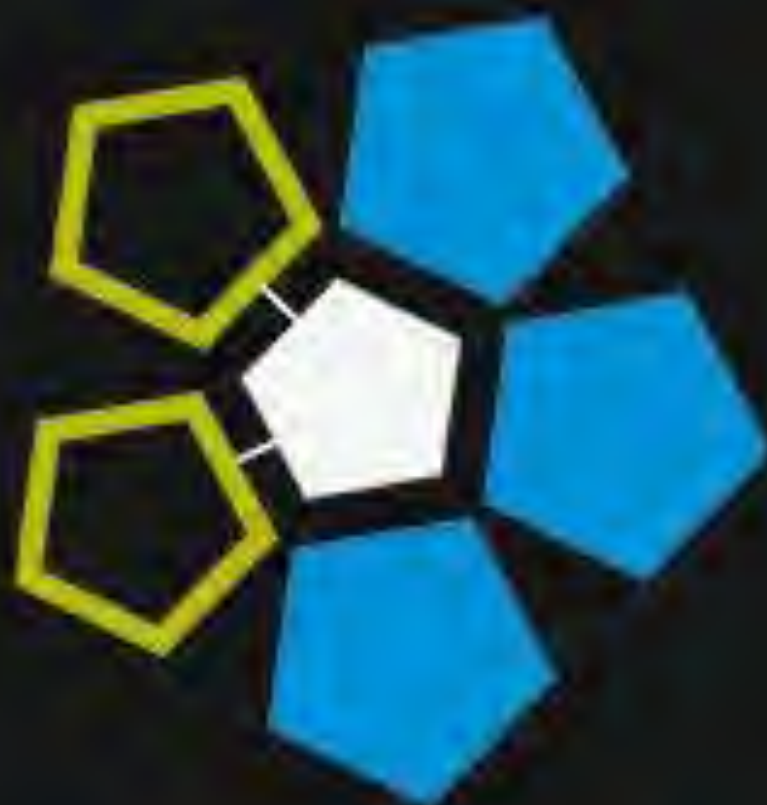
The NSWAAAT executive will be applying for accreditation of the conference for NSW teachers. We will keep you posted on our progress.

Conference Dinner
Speaker
Michael McQueen



Michael McQueen understands what it takes to thrive in a rapidly evolving world. Widely recognized for having his finger on the pulse of business and culture, he has helped some of the world's best-known brands navigate change and stay ahead of the curve. As a leading specialist in demographic shifts, change management and future trends, Michael features regularly as a commentator on TV and radio and has written four bestselling books. His first book, *The 'New' Rules of Engagement* focuses on strategies for leading and connecting with Generation Y. His newest release, *Winning the Battle for Relevance* is a revealing look at why even the greatest brands and organisations become obsolete... and how to avoid their fate. Michael is a familiar face on the international conference circuit having shared the stage with the likes of Bill Gates, Whoopi Goldberg and Larry King. He has spoken to hundreds of thousands of people across 5 continents since 2004 and is known for his high-impact, research-rich and entertaining conference presentations. In 2015, Michael was named Australia's Keynote Speaker of the Year and was inducted into the Speakers Halls of Fame.

[The conference program and an active link to registration.](#)



FOOD AND FIBRE - THE ORIGINAL

STEM

PIEFA CONFERENCE 2018

REALM HOTEL, CANBERRA | 29 APRIL - 1 MAY

5

Around the Schools

Do you have something to share from the school farm or from an excursion. Please email baat.editor@gmail.com



National Merino Ram Show and Sale

AgVision 2017



On the 27th of July a select few students from Xavier College had the privilege to attend Ag Vision, an event hosted by the Royal Agricultural Society of Australia. Students learnt about a variety of potential careers in the field of Agriculture such as the dairy industry or working on water. Students were able to pick and

choose how their day would go depending on what each individual found interesting.

Held in Sydney Olympic Park, the same place as where the Easter Show is held, students began the day at 9am with a small introduction ceremony before moving off to their first event. Events such as working in the Dairy Industry enabled students to learn about the operations and procedures involved in the industry to produce a wide variety of dairy products. With a total of over 31 events, students then went to their second event approximately 45 minutes later. Students that went to Artificial Insemination gained a new insight into how modern farms operate with their female stock, this included a mock demonstration of the process performed daily on many animals.



More events throughout the day included Veterinary Medicine for Cattle, Horses and Dogs, widely expanding knowledge about the job prospects for an individual which is interested in this field. On Farm Technology and Helicopter Mustering allowed the students to expand their knowledge about modern

farms utilising

this technology, and the beneficial ways it impacts the growth and revolutionary aspects of farming. An Apiary course interested students into a hands on experience in the area of beekeeping, a previously unexperienced industry to some.



After all five events, students concluded the day with a small presentation. We enjoyed the quickly edited video on the day made by some photographers, and listened to a speech by Costa Georgiadis, the host of Gardening Australia. Today heavily influenced students to pursue a career in the Agricultural Industry, giving them a large amount of information, resources and insight into these fields.



Year 10 Primary Industries & Agriculture Students (Xavier College)



Ag Vision Photos - students from Marian Catholic College, Kenthurst

National Merino Ram Show and Sale

On Monday 21 August students from all over NSW journeyed to Dubbo for the annual wether challenge competition. Schools received wethers from Egelabra Stud in February they needed to prepare for the annual event. The wethers are regulation shorn then looked after and trained by the students to be presented at the National Merino Ram Show and sale. The wethers are visually assessed with eight months of wool. There is a side snip



of wool taken and tested for fleece diameter and staple length. Students need to teach the sheep to lead and be handled frequently. Secrets to success lie in the nutrition and good environment helps with wool growth and weight gain.

Students then help with the shearing of the sheep and weigh the fleece with results being recorded. The sheep are then weighed and scanned for eye muscle area ("a chop") and fat depth. Again the results are recorded. The next day the sheep are judged in a group of three as a team on carcass value and awarded points. The sheep are then sent to the abattoirs and judged on the carcass.

At the completion of this, scores are tallied and the team with the highest points are awarded ribbons.



There were 27 schools from all over NSW with approximately 250 wethers and 30 students.



It was a massive event with plenty of opportunity for learning about the Merino Industry of Australia. Schools present included Queanbeyan, Redbend Forbes, Yanco Ag, Parkes, Forbes High, Macintyre High Inverell, Lake Cargelligo, Dunedoo central, Orange High, James Sheehan, Dubbo College, Condobolin, Gunnedah High, Gulargambone Central, Trangie, Trundle Central, Braidwood Central, Macquarie Anglican Grammar school, Umbrae Ag High in SA, WeeWaa High, Tullamore Central, Wagga Christian College, Gulgong High, Gilgandra High, Nyngan, Kandos and Warren.

While the schools wether challenge was on the rams and ewes judging occurred resulting in a National Champion, ram, ewe and pair. There are some trade stalls set up and many studs on display promoting their bloodlines from all over NSW, Victoria, South Australia and Queensland .



Thank you to Ben Watts from the AWI and The Merino Council of NSW for running the competition and Egelabra Stud for the use of their sheep. The students who attended all came away with an increased awareness of the Merino breed. The costs to the school are in the feeding and prep of the wethers, the sheep are provided by Egelabra and proceeds from them go back to the stud. It is a really good experience for all.

Deb Snaith (Head Teacher
Agriculture, Macintyre High School)

Lighthouse Schools

NSW Lighthouse schools was an initiative stemming from the *Pratley review into Agricultural Education and Training in New South Wales Report July 2013*. It consists of 27 Government and 15 Industry recommendations. Some of the key components of the review include:

- The lack of awareness by students about food and fibre
- The perceptions about agriculture and the opportunities therein
- The importance of early engagement with students about key issues
- Concerns about the teaching of science and therefore agriculture in the primary schools
- The need for provision of quality teaching and learning materials to schools
- The lack of agriculture in about two thirds of secondary schools
- The emerging importance of primary industries in senior high schools
- The key role to be played by agricultural high schools and the need for Lighthouse schools in

agriculture

- The importance of teachers fully qualified in agriculture
- The need for industry support in ensuring quality education and training occurs
- Accreditation of people and processes.



Early Career Teachers Workshop Tumut High School

In response, the concept of Lighthouse schools was developed. The schools were selected on their student engagement and career promotion in Agriculture and Primary Industries. They include:

- Colo High School
- Junee High School
- Kempsey High School
- Pittwater High School
- Mount View High School
- Murrumburrah High School
- Tumut High School



Student Helpers Tumut High School

Pittwater High School is the only urban school selected as a lighthouse school for the teaching of Agriculture and Primary Industries.

The roles of these schools are varied and dynamic as are many Agriculture schools in the state.

Lighthouse schools teachers have been involved in;

- mentoring individual early career teachers as well as providing a two day workshop in Tumut for 20 early career teachers.
- Engaging junior students in Agriculture through Food And Fibre Day
- Ag forums which provide upskilling and up to date industry skills and knowledge
- Developing a handbook for the new Agriculture teachers
- Networking between the Agriculture High Schools –Farrer, Hurlstone, James Ruse and Yanco
- Running regional networks to share resources and support
- Hosting practicum Agriculture students

Some Lighthouse Highlights

Early career teacher workshop at Tumut High School

NSW early career Agriculture & Primary Industries teachers visited Tumut HS for two days in December 2016. Tumut High School consists of an Agriculture farm which is 0.6 ha with access to Bonner Fields (1.3 hectares) and RYCE property.

During their visit they were informed about:

- WH&S compliance in teaching Agriculture
- syllabus requirements
- hydroponics and urban Agriculture
- poultry care and show specifications
- cattle handling and show parading
- shearing and sheep management,
- general running of the Agriculture farm, record keeping, farm assistant job description



Tony Butler Tumut High School

They visited the RYCE Charolais property at Visy, Gilmore.

Young Agriculture teachers often find themselves as the only Agriculture teacher in a school with limited resources. This type of forum is vital to supporting young teachers and showing them examples of best practice.



Jan Young, Teachers Workshop
Tumut High School



Colo High School Visit

Luciano Mesiti and his enthusiastic student helpers provided the team with an insight into Agriculture on the city fringes. Colo Agriculture farm is nestled into a hillside with an enormous amount happening in a small space such as poultry, hydroponics, cattle,



vegetables and an orchard. One of the strengths of the school is the ability of Agriculture to integrate across the KLAs enhancing the students Agricultural experience.

Tamworth Agriculture Forum, August 2017, Farrer Memorial Agricultural College

This was attended by:

- Farrer Memorial Agricultural High School
- Hurlstone Agricultural High School
- James Ruse Agricultural High School
- Yanco Agricultural High School
- Lighthouse school staff
- DoE staff– Sally Bannerman, Dan Rytmeister

Presenters included:

Dr Mark Trotter and Dr Amy Cosby (CQU)

Lucinda Corrigan (Commissioner, Australian Centre for International Agricultural Research)

Marty Peeters and Darren Smith (FMAHS)

Dr Jen Smith and Dr Brad Hine (CSIRO)

Hamish Chandler Manager, Sheep Genetics (MLA)

The forum provided :

- up to date Agricultural technology (genetics, accelerometers/ data logging) which is useful in the 'Farming in the 21st Century' Elective
- an insight into Australia's position in global Agriculture
- Biosecurity in schools update
- Maths in Agriculture
- Managing a prime lamb enterprise

Which are all valuable skills and knowledge to take back to school.

The most valuable aspect of the forum was for Agriculture teachers to meet together, network, support each other and to discuss future directions of Australian Agriculture in schools as a united voice.

Dianna Beale (Agriculture Teacher, Tumut High School)

Bedgerabong Youth Pig Show

On Wednesday the 10th of May 2017. The following schools attended the annual schools day for pigs.

Forbes High, Condobolin High, Griffith High School, Yanco Agricultural High School, Portland Central, Ungarie Central, Brisbane Waters, Canowindra High and Teachers from Parkes High and Kinross Wolaroi. Anne Earney, Condobolin High School, was one of the organisers who put on a fantastic educational experience covering all aspects of the pig industry from paddock to plate.



The students were divided up into smaller groups and rotated through the following activities.

Artificial insemination - This was demonstrated to all students by SABOR from South Australia and local Vet Ness Campbell. Some students were fortunate enough to be included in the administration of insemination of the next pig.

Show preparation - Experienced pig breeders demonstrated and talked students through the washing process required before a show. The students learnt how to take pigs from their pens down to the wash bay, with the help from their boards. Students seemed to enjoy washing the pigs.



Preg testing - Students watched local vet Ness Campbell preg test some of the sows. She explained what they could see on the screen and the best times to preg test. Students were offered the chance to have a go themselves.

Biosecurity - The Local Land Services spoke about swill feeding, pig diseases and controlling wild animals.

Pig Obstacle Course – There was an area set up with hay bales to keep the pigs in for the show arena. Cones were used for an obstacle course.

One of the experienced pig farmers explained the obstacle course that the students had to get the pig to complete. All students took turns at trying to get the pig to complete the course. The hardest part was definitely the figure of 8 at the beginning and by the end of the day the pigs knew where their safe pen was.

Butchering demonstration – A local butcher brought along a carcase of a pig and talked the students through the cuts of pork from a pig as well as the different techniques used for producing bacon and ham.

Pig producer presentation – Students were given time to speak with a local pig farmer about the management of a pig farm and job opportunities in the industry.



Students went home at the end of the day with a bag full of goodies, such as hats, information booklets, pens and much more.

Thanks to Anne for such a great day. It was my first Pig Show and it was a very informative and practical day.

2018 the Bedgerabong Youth Pig Show and sale will be held in Mid May. You are not to bring pigs just kids, due to biosecurity requirements of the pig producers.

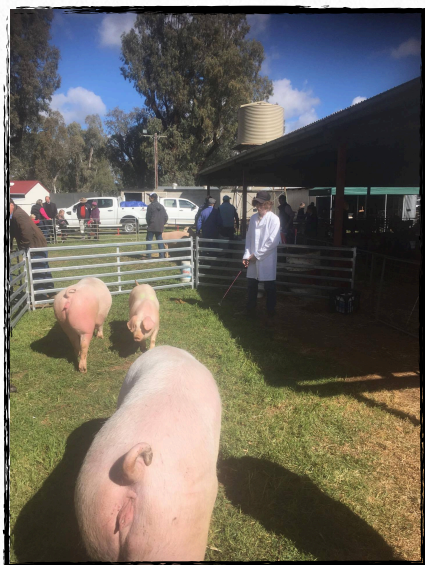
Please contact Anne Earney at bedgerabongshow@hotmail.com for more information about the 2018 show.

Georgie Price (Agriculture Teacher, Forbes High School)

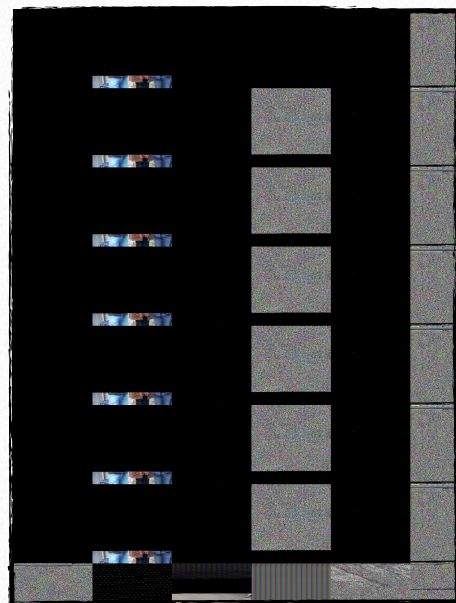
Success for Griffith High at Bedgerabong

The 2017 GHS Pig Showing Team recently travelled three hours to a blustery and cold Bedgerabong Show to show their two sows Sally and Georgie in the Porker section. The team headed into its third show a bit more confident and better prepared with washing of the pigs, powdering their noses and parading them done in a more precise manner.

Our two sows were placed 2nd in their section on the day. They will be both fed up now to enter into various classes at the Bendigo Show at the end of October.



Griffith High School would like to congratulate Aidan Knight, Mark Cunial, Angus Bartter & Lachlan Cirillo on their continued hard work and care with learning all husbandry and show aspects with working with their own and other vendors on the day.



The GHS Pig Show Team would like to thank Lynda Franks from Aztec Piggery, Bellato Farming from Coleambally, Walker's Organics from Barellan, The Australian Pig Breeding Association and Griffith High School Personnel on their efforts for the show team.



If anyone would like to assist the GHS Show Team contact Carl Chirgwin on 02 69 621 711

Carl Chirgwin (Agriculture Teacher, Griffith High School)



Penrith Show



On the weekend of 26th and 27th August seventeen schools competed in the annual Penrith Show. The Penrith Show draws schools from Sydney and its outer suburbs and is one of the premier events where students can showcase their skills, knowledge and passion in the area of Agriculture. Many students over the years have been convinced to pursue a career in the myriad of possibilities offered in the Agricultural sector.

The competition required school teams to raise one or two Holstein Friesian calves. All the calves were donated to the schools involved by the [Leppington Pastoral Company](#). Each calf was ten days old on arrival at the school and this allowed the calves to reach the competition twenty-week-old age limit by the time of the Show. Each calf was given hard feed donated by [Castlereagh Feeds](#) and were broken to lead by the schools.

The Penrith Show covered two full days of competition. On Saturday the 26th of August events covering the junior judging competitions, heifer and steer classes, parades, displays, poultry, produce, alpaca and sheep judging, as well as the grand parade. The following day saw the Alpaca Handlers competition, poultry junior judging and the Rural Olympics.



Throughout the weekend students from all competing schools were involved in educating the public about the processes they were involved in leading up to the Show as well as the broader field of Agriculture and the nature of study in



the subject area. The main vehicle for the students to carry out this education was through their custom built Agricultural educational display.



The Rural Olympics was one of the high points of the Show.



Each school team involved in the Rural Olympics were required to complete tasks within a set time period. Teams had to build two fences, one a conventional fence and another an electric fence. Students also had to calibrate a drench gun, as well as catch and drench a variety of sheep. Teams had to load, stack and tie hay onto a trailer. They had to calibrate a chemical applicator as well as apply





chemicals themselves. Students were judged at each activity, and awarded points for teamwork, safety, completion of task and level of skill and accuracy.

The poultry judging involved individual students as well as teams of two judging Australorps and Australian Game hens and cockerels. The students involved in this competition had to handle different birds and rank each bird according to how effectively the bird possessed true breed characteristics.



Every school and every student involved in the Penrith Show need to be congratulated for their commitment, dedication and effort. Behind every student were parents, guardians, supporters and most importantly, the teachers from each school.

The major results were as follows -

Educational display Winner: McCarthy Catholic College

Students Choice Display Winner: Elderslie High School

Livestock Trophy Winner: Elizabeth Macarthur High School

Produce Trophy winner: Chifley College, Bidwill

Overall Winner of all Categories Entered: Elizabeth Macarthur High School

Champion Leppington Pastoral Steer: Elizabeth Macarthur High School

Reserve Champion Leppington Pastoral Steer: Bede Polding College.

Champion Individual Poultry Judge: Georgia Haskins (Bede Polding College)

Champion School Team Poultry Judge:

Cranebrook High School

Reserve Champion Team Poultry Judge:

Marian Catholic College, Kenthurst

Champion Alpaca Handling: Olivia Dolly

(Marian Catholic College, Kenthurst)

Champion Team Gold Medal Rural

Olympics: Colo High School with 215 points



Reserve Champion Team Silver Medal Rural

Olympics: Marian Catholic College, Kenthurst
with 214 points

Bronze Medal Team Rural Olympics:

McCarthy Catholic College



Thank you to Penrith Show Sponsors

1. Penrith District AH&I Society who provide prize money, trophies, ribbons, facilities and BBQ on Sunday
2. Castlereagh Feeds : Mr and Mrs White who provided the 18 schools with cattle boost pellets
3. Leppington Pastoral Company: Mr and Mrs Michael and Fiona Perich provided male dairy calves.
4. Emeritus Professor Richard Bawden from the WSU who sponsored The Students' Choice Perpetual Trophy.

Sky Van den Berge (Agriculture Teacher, Marian Catholic College, Kenthurst)

2017 UniSchool's Steer Challenge

The 2017 UniSchool's Steer Challenge saw 14 schools from across the basin come together for the 17th year of competition. Including those from across state, private and independent schools and sponsored by the [Western Sydney University](#) the competition offers students an opportunity to grow a steer for just under a 100 days to become a meat product. This provides an educational opportunity for students to get an insight into marketing beef by ensuring that the steer will need to meet certain requirements: fat cover, pH, meat colour, being non-bruised etc.



Steers were randomly allocated by ballot on the afternoon of Friday May 4th 2017, following a Training Day and Opening Ceremony. The Opening Ceremony was attended by staff and students from the participating schools. In doing so the University endeavoured to select steers to minimise age & weight differences between them.

The Steers were weighed on the day prior to the collection and again at the Live Day Show, Saturday 12th August 2017. With each individual school required to record weight gain between this period.

The competition culminated at the Closing Ceremony to be held on the 8th September 2017, and was followed by a bush dance.

Competitions categories associated with the UniSchools' Steer Challenge include:

- Weight Gain
- Herdsman Competition
- Best Groomed and Prepared Steer
- Student Parading (Novice and Experienced in both the senior and junior categories)
- Student Judging (silent and speaking categories)
- Beef Appraisal Teams

Overall Champions were allocated for the following

- i) Champion student junior and senior judge
- ii) Champion student handlers/paraders – junior, senior.
- iii) Champion school in herdsman competition.
- iv) Best Groomed and Presented Steer.
- v) Champion UniSchools Steer - weight gain
- vi) Champion UniSchools' Steer Challenge School (cumulative points).

Congratulations to the schools and individuals from the following;

Award	Recipient	Award	Recipient
Champion Junior Judge	<i>Student from</i> Elizabeth Macarthur High School	Students Choice (Display)	Bede Polding College
Champion Senior Judge	<i>Student from</i> Richmond TAFE	Champion School – Led Steer	Bede Polding College
All Ages Judging Teams	Elizabeth Macarthur High School	Champion School - Herdsman	Bede Polding College
Junior Champion Parader	<i>Student from</i> Macarthur Anglican School	Champion School – Combined Beef Appraisal Team	Mount Annan Christian College
Senior Champion Parader	<i>Student from</i> Elizabeth Macarthur High School	Champion School - Steer Weight Gain	Oakhill College
Champion School – Best Presented Steer	Bede Polding College	Champion Carcase School	Mount Annan Christian School
Champion School UniSchools Steer Challenge		Macarthur Anglican School	





Woolgoolga High School's West to Agquip trip

Our first stop was Dutton Trout hatchery run by DPI NSW. Here we looked at the breeding of local trout to restock local rivers and for sale to other regions of Australia. We were able to watch trout hatching from their eggs and feed the lively breeding stock.



After a quick stop at McDonalds, we arrived at the University of New England SMART farm and met up with Linc, the schools liaison officer. The SMART Farm showcases the latest technologies aimed at improving productivity, environmental sustainability, safety, workflow and social/business support networks on Australian farms. Linc explained the latest technological developments in Agriculture and the research that is taking place to make the technologies useful to farmers. In particular the use of GPS, remote sensing and fenceless farms. Students enjoyed comparing the use of a very



expensive computer controlled devices with manual observations, mud pies and mathematical calculations, to evaluate clay content in soils and also to look at the quantity of feed available to livestock.

Next stop was the CART (Centre for Animal Research) where we saw sheep and calves with nappies on. These nappies collected the animal's dung and researchers are able to test the effectiveness of new vaccines and anthelmintic for use against worms, which affect all our farmed animals. We also saw several sheep, which have a cannula inserted into their rumen. Researchers are able to look at the effect of various feeds on the rumen contents and have made significant improvements to the efficiency of feeding these animals. The welfare of these



research animals is highly regulated and it was interesting to see how well cared for they are.



Our accommodation was at Myall Springs, an isolated, organic, cattle and sheep farm near Rangari, north of Gunnedah. Everyone did a fantastic job of cooking, washing up and keeping everything tidy. The isolation and basic nature of the accommodation is what makes this trip so unique.

Matt, Mell, and their four children successfully run the family farm and sell their animals to specialist organic markets, not only in Australia, but also in America. We utilised the cattle float to transport us all around the farm and were able to look at the diverse pastures that Matt has been able to establish with the use of his expensive rotary irrigator. It was amazing to see how his proactive management of wetlands has improved the amount of water in local streams. We were also able to discuss his many reasons for changing to an organic system from a very intensive wool growing business. The farm and its produce were featured on TV on Better Homes and Gardens on 8th September. Fast Ed took all day to cook his beef BBQ!

After a BBQ lunch, we headed to Carrol to meet up with my daughter Kim, who is a local Agronomist. Kim took us to an intensive cropping farm where they grow cotton, wheat, chickpeas, canola and sorghum. Kim explained that farmers need to be well educated and flexible to be able to remain profitable. They must be able to grow crops that are in demand and take into account the amount of water available, so that the crops yield well. We looked at the use of chickpeas as a legume able to fix nitrogen from the atmosphere, thus cutting down on some fertiliser use. The farm also had a weedseeker sprayer, which uses GPS and sensors to only apply chemical to targeted weeds. This enables considerable savings to be made in chemical use and costs. Students were able to see the planter and cotton and grain harvesters, which were valued at over \$5 million.





Interestingly this farm is situated next to the proposed Chinese owned, Shenhua mine and this prompted some heated discussion about the possible effects of mining on Australia's most fertile farming region.

After a game of Frisbee at a local park, we went to the rodeo and watched cowboys attempt to ride a bull for 8 seconds. Most failed with spectacular consequences!

The next day was a full day at Agquip. Agquip is the Southern Hemispheres largest Agricultural field days. Students' looked at everything from Tasmanian devils to Tractors, which drive themselves. Everyone found many things to interest them.

I would especially like to thank Craig Hundle from Coffs Harbour High School who joined us with seven of his students who are all going to study Primary industries next year and this was an invaluable experience for them. Thanks also to our fantastic bus driver, Gazza, who negotiated our luxurious bus around dirt tracks and over hills and mounds. He also made sure we had a perfect fire for damper and marshmallows and kept us amused with his campfire stories.



Christine Duver (Agriculture Teacher, Woolgoolga High School)

In the News - Red Bend Catholic College

THE LAND

anytime
SUBS
Print, Out

NEWS SPECIAL FEATURES CATTLE SHEEP CROPPING WEATHER CLASS
SHEEPMEAT WOOL SALES LIVE EXPORT MARKET ANALYSIS SHEEP STUDSTOCK

School Wether Challenge a winner

Hannah Powe

30 Aug 2017, 4:30 a.m.

Sheep




SCHOOL was in at the Rabobank Dubbo Merino National Sheep Show and Ram Sale on August 22 and 23.

Over 30 schools from across NSW and South Australia took part in the fifth annual School Wether Challenge.

Up to 250 students from 71 teams, presented a total of 216 wethers to Merino breeders, visitors, industry representatives and family throughout the two days of judging.

The challenge followed on from the inaugural School Wether Educational Day in Dubbo at the end of February. The two-part program aims to create interest in Merinos through supporting the development of the younger generation's understanding of the commercial value of the breed.



 Overall winners from Red Bend Catholic College were students Chelsea Reeve, Bathurst, Clarissa Peasley, Forbes, Laura Noble, Grenfell, and Claire Peasley, Forbes.

This year saw all wethers sourced from one line of sheep from Egelabra Merinos, Warren.

Over the past six months students and teachers have been using provided information and research to prepare their teams.

South Australia representatives, Urrbrae Agricultural High School, Netherby, SA, travelled over 12 hours with their two teams of wethers to be part of the program.

Pleasing students and making the trip worthwhile, Urrbrae received first with their group of three wethers.



First place in the live individual wether went to Dubbo South Campus.

The whether challenge projection class for the sheep value section was won by last year's champions, Forbes High School, with their team three entry.

Dubbo Senior Campus team three was second and Red Bend Catholic College team one finished third.

Red Bend Catholic College one was first in the carcase value section with \$496.25. Dubbo Senior Campus three was second with \$484.85 and Lake Cargelligo Central School three was third with a value of \$463.75.

In the wool value section Yanco Agricultural High was first with their team four valued at \$176.58 and second with their team five valued at \$169.79. Third went to Parkes High School two with a value of \$165.60.

Overall winners were Red Bend Catholic College one, Forbes, with a total value of \$1128.20. Second place went to Dubbo Senior Campus three with \$1100.28 and third place went to Yanco Agricultural High School five with \$1075.24.

Scoring and testing volunteer, Don Chad, Dubbo, said the day worked well with students getting a lot out of the interactive competition.

"It is all about the students. It was a learning process, showing the students as we were going through," he said.

Off the back of positive feedback, organisers are already planning for next year to improve the scoring to accommodate for the continually growing number of teams.

In the News - Gunnedah High School

Namoi Valley
Independent



Saturday September 16, 2017

News | Local News

Aa Larger / Smaller Night Mode

Whitehaven Coal partners with Gunnedah High School to boost agricultural studies

Vanessa Höhnke

15 Sep 2017, noon



POTENTIAL: NSW Governor David Hurley and his wife Linda (centre) view Gunnedah High School's new agricultural site on their regional tour. They are pictured with science head teacher, Karen Cull, Whitehaven's Tim Muldoon, principal Shane Kelly, and agriculture teacher Nicole Dwyer.

Gunnedah High School has been presented with a unique opportunity.

Whitehaven Coal has offered the school some land on Torrens Road so it can expand its agricultural education.

The 11 acres will be an addition to the existing 2.5 acres agricultural plot on the school grounds.

GHS agricultural teacher, Nicole Dwyer said Whitehaven's Darryl Campbell pitched the idea to her in March.

"He was really excited," she said.

"He said, 'We've got this land. We're not doing anything with it. Would you be interested?' "

Mrs Dwyer said a number of meetings followed and together, the school and Whitehaven figured out which parcels of land would suit.

"It's a huge opportunity for us and them for community collaboration and the potential for student outcomes is enormous," she said.

"What we're hoping is to set-up a sheep operation where we might start with lambs to begin with and hopefully move into a sheep stud.

"We could do some cropping out there for livestock fodder and maybe put some bees out there; just diversify what we're doing at school and do it on a larger scale."

The teacher said agriculture was a “hugely popular subject” at the school and the Year 11 Primary Industries class was completely full, with a second agriculture teacher to be employed to keep up with demand.

“We’re actually turning students away at the moment,” she said.

“We’ve got a huge interest for Year 9 and 10 students coming in. Agriculture is really strong here.

“With the mandatory technical requirements, we’ll have more students coming through, so we’ll end up with nearly two-thirds of the school doing ag, which is really exciting.”

Mrs Dwyer said the new plot would enable students to pursue agriculture in their studies and would be an incentive for Year 9 and 10 students to pick the subject.

“There needs to be a focus on agriculture because it’s such an important part of Australian society to know where our food and fibre comes from,” she said.

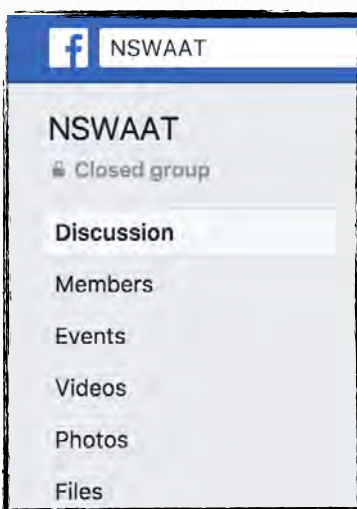
“Because we’re in the heart of the Liverpool, it’s really nice to see so much support from the students and the particular in ag.

“I think we’ll go from strength to strength and we can offer what other schools can’t.”

The ag teacher said she was hoping the new plot could be utilised in the new year but “it’s in the hands of the Department of Education at the moment”.

Principal Shane Kelly said after a 12-month trial, Whitehaven may release as much as 100 acres to the school.

“With the land that we get out there, with the potential of getting more in time, we’ll probably start breeding our own cattle as well,” Mrs Dwyer said.



If you are a member of NSWAAT you are entitled to join our facebook group. Ask questions, share ideas, dilemmas and resources. Search NSWAAT and request to join.

In the News - Yass High School

Yass Tribune



Saturday September 16, 2017

News

Aa Larger / Smaller Night Mo

Zeke Groom wins triple at Harden Show | PHOTOS



Toby Vue
@tobyvue

13 Sep 2017, 2:49 p.m.



Zeke Groom with his winning heifer

Photo: supplied

Yass High School student Zeke Groom secured first places in three categories of the cattle exhibition at the 2017 Murrumburrah Harden Show on September 8–9.

The year-nine student won Champion Junior Parader, Grand Champion Parader and the intermediate paraders heat (blue ribbon).

He scored the triple with a heifer he had never seen before the event.

“Winning three definitely wasn’t expected,” Mr Groom said.

“I was very surprised to win the heat but even more for the champion finals,” he said.

His mum, Jo-Anne Groom, said she was very proud of him.

"I'm very impressed with the dedication he has shown and working with the animals. As a young child, he petrified of animals – he wouldn't go near them and now to see him lead them is pretty amazing," she said.

Ms Groom said she expected him to only do his best.

"He's relatively new to show events so he's still learning about parading cattle, but to have just fantastic results early on is really amazing," she said.

Judges said he had good presence in the ring and he controlled the animal well.

Mr Groom has been leading cattle since he was 12 years old. His best performance previously was the 2017 Canberra Show.

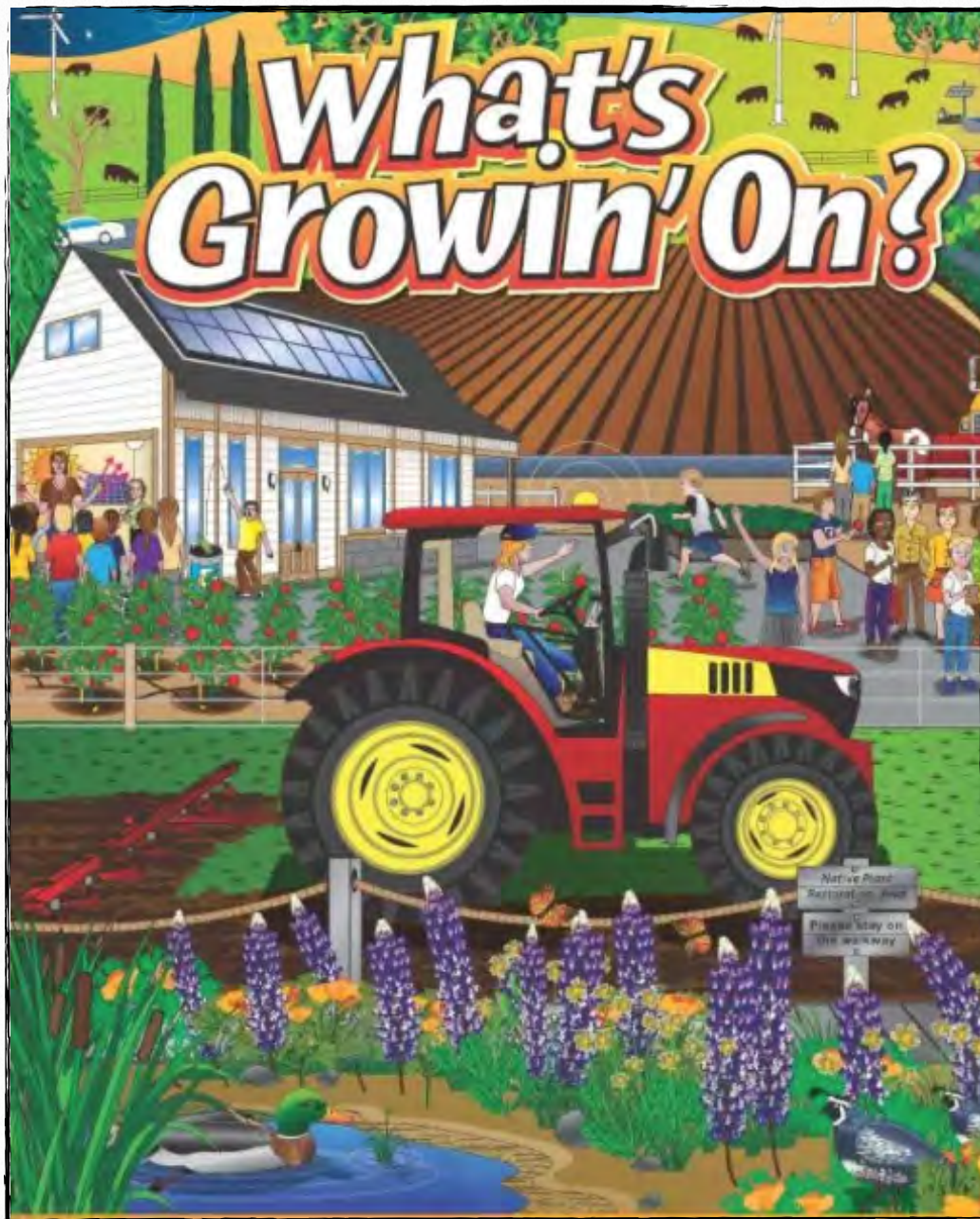
"Definitely love going to shows and participating – the next one we're looking at is Scones.

"It's a good thing to do," he said.

6

What's On?

Do you know of an upcoming Ag event. Please email details to baat.editor@gmail.com.





The Royal Agricultural Society of NSW (RAS) is ready to launch its Sydney Royal Schools Competitions for 2018. The RAS Competitions coordinators and Education team have been working together to create a suite of resources to support the competitions and assist teachers in building units of work around agriculture for both primary and secondary. Five Sydney Royal Competitions have been revamped and are ready for you to include in your Term 4 2017 or Term 1 2018 planning. Competitions take place as trials at school and culminate in an excursion to the Sydney Royal Easter Show to compete against schools across NSW. The competitions cater for all schools in metropolitan, regional or rural areas – regardless of school size and resources.

Angora Wether Challenge

A mohair and meat comparison trial, intended to give students an insight into the Commercial Goat Industry. Competing schools will be provided with assistance to obtain angora wethers (goats twelve months or older) around late October 2017.

Produce Competition

This competition provides students an insight into the growth of plants and Commercial Horticulture and Agriculture, by participation in a production trial at school. Metropolitan Schools can elect to receive a Vertical Garden to assist with production in small spaces however both Metropolitan and Regional Schools can enter using produce grown at a school in any gardening system.

Commercial Pig Competition

This competition is intended to give students an insight into the Commercial Pig Industry by completing a growth comparison trial. Competing schools will be provided with assistance to obtain three pigs in late January 2018 to prepare for exhibit at the Sydney Royal Easter Show.

Meat Bird Competition

This competition provides students an insight into the Commercial Meat Bird industry through participation in a growth and production trial. Participating Schools will be supplied with day old chicks and students will prepare them for exhibition at the Sydney Royal Easter Show 2018

Egg Layer Competition

This competition provides students an insight into the Commercial Egg Laying industry through participation in a growth and production trial. Participating Schools will be supplied with six pullets in mid-october 2017 and students will prepare them for exhibition at the Sydney Royal Easter Show 2018.



The RAS is committed to education and helping teachers build agricultural learning experiences into their classrooms.

For further information about any of the Sydney Royal Competitions visit our website www.rasns.com.au or contact us on education@rasns.com.au or (02) 9704 1147 further information.

2018
SYDNEY ROYAL

SCHOOL COMPETITIONS

23 March - 3 April 2018
Sydney Showground
Sydney Olympic Park
www.sydneyroyal.com.au

South Coast Beef

Champion Steer

Champion Carcase

School Steer Spectacular

Steer Judging Competitions

Champion School

Calf Rearing Competition

Parader Competitions

Information & Demonstration Sessions

A hoof and hook competition for
secondary schools will be held at
Nowra Showgrounds, 10-11 April 2018.

Great learning, great fun.

Register your interest now:

Contact Rob Stafford on 0467 767 375 or
execofficer@southcoastbeef.asn.au





Show Dates



Date	Show	Show	Show
September 2017			
1st - 2nd September	Narromine Show	Grenfell Show	
2nd September	Lake Cargelligo Show	Manildra Show	Narrandera Show
2nd - 3rd September	Barmedman Show		
3rd September	Woodstock Show	Finley Show	
5th - 6th September	West Wyalong Show		
8th - 9th September	Murrumburrah Harden Show	Forbes Show	Wagga Wagga Show
9th - 10th September	Quirindi Show	Hay Show	
10th September	Ariah Park Show	Cudal Show	Wyong Show
15th - 16th September	Eugowra Show		
15th - 17th September	Merriwa Show		
16th September	Ardlethan Show		
17th September	Woodenbong Show	Molong Show	Young Show
22nd - 23rd September	Canowindra Show	Singleton Show	
22nd - 24th September	Singleton Show		
23rd - 24th September	Menangle Park Show	Nimbin Show	
23rd September	Hillston Show		
24th September	Lockhart Show		
30th September	Culcairn Show	Bribbaree Show	

Date	Show	Show	Show	Show
October 2017				
1st October	Berrigan Show	Griffith Show		
2nd October	Morongla Show	Walbundrie Show		
6th - 7th October	Kyogle Show			
6th - 8th October	Taree Show			
8th October	Corowa Show			
9th October	Norfolk Island Royal Show			
13th - 14th October	Leeton Show	Casino Show		
14th October	Illabo Show	Trunkey Creek Show		
14th - 15th October	Cowra Show	Camden Haven Show		
19th - 21st October	Lismore Show			
20th - 21st October	Barham Koondrook Show			
21st October	Tooraweenah Show	Cootamundra Show	Dapto Show	The Rock Show
27th - 28th October	Alstonville Show			
28th October	Junee Show	Carcoar Show		
November 2017				
3rd - 4th November	Murwillumbah Show	Albury Show		
4th November	Frenchs Forest Show			
5th November	Minto Show			
10th - 11th November	Dungog Show			
11th - 12th November	Mullumbimby Show	Queenbeyan Show		
11th November	Holbrook Show			
17th - 18th November	Bulahdelah Show	Bangalow Show		
18th November	Neville Show			
25th - 26th November	Dorrigo Show			

7 Members of NSWAAAT

Financial to end of	First Name	Surname	Location
2019	Andrew	ABERCROMBIE	Hunter River High School
2019	Bryon	ADAMSON	Corowa High School
2018	Melinda	ADDERLEY	
2018	Asifo	AJUYAH	Picton High School
2018	Danielle	ALEXANDER	Xavier College, Llandilo
2018	Lauren	AMOR	St John's College
2018	Philip	ARMOUR	Yass High School
2018	Robbie	ASHHURST	James Ruse Agricultural High School
2018	Catherine	ATKINS	Northmead CAPA High School
2018	Megan	ATKINSON	Elderslie High School
2018	Sunrae	BAILLIE	Great Lakes College, Forster Campus
2018	Annie	BALDWIN	Singleton High School
2018	Dianna	BEALE	Tumut High School
2018	Romy	BENNETT	St Paul's College
2018	Carol	BLACKWOOD	James Sheahan Catholic High School
2018	Erin	BLAKE	Hurlstone Agricultural High School
2018	(William) David	BLOWES	Molong Central School
2018	Craig	BOURNE	Singleton High School
2018	Ben	BOWMAN	Peel High School
2018	Graham	BRAMLEY	St Paul's College
2018	Cathy	BREENE	Oakhill College
2018	Deborah	BUNN	Galston High School
2018	Lynda	BUTTSWORTH	Jamison High School
2018	Jennifer	CAINES	Mount Annan Christian College
2018	Samara	CALLAGHAN	Tomaree High School
2018	Brianna	CALLUM	Barker College
2018	Paul	CANNINGS	Pittwater High School
2018	James	CAUGHEY	Hay War Memorial High School
2018	Dale	CHADWICK	Gundagai High School
2018	Carl	CHIRGWIN	Griffith High School
2018	Geoffrey	CLERKE	Caroline Chisholm College

Financial to end of	First Name	Surname	Location
2018	Clint	COLE	Casual Teacher
2018	Stephanie	COLGAN	Dubbo College Senior Campus
2018	Louise	COLLINS	Uralla Central School
2018	Luke	COLLINS	Yanco Agricultural High School
2018	Angela	COLLIVER	Angela Colliver Consulting Services
2018	Justin	CONNORS	Manilla Central School
2018	Ben	COOMBES	Peel High School
2018	Elena	DAGHER	Bossley Park High School
2018	Eric	DATE	Crestwood High School
2018	Sophie	DAVIDSON	Cotton Australia
2018	Erika	DAYAGANON	Hurlstone Agricultural High School
2018	Donna	DEAN	Vincentia High School
2018	Ewan	DENNIS-SMITHER	Oakhill College
2018	Kathy	DOMAN	Kyogle High School
2018	Alice	DORMAN	Trangie Central School
2018	Christine	DUVER	Woolgoolga High School
2018	Nicole	DWYER	Gunnedah High School
2018	Susan	EARL	Red Bend Catholic College
2018	Anne	EARNEY	Condobolin High School
2017	Sarah	EYB	James Sheahan Catholic High School
2017	Guy	FAHEY	Albury High School
2017	Michelle	FIFIELD	NSW Department of Primary Industries
2017	Rob	FORSBERG	St Joseph's College
2017	Sarah	FOSTER	Dubbo Senior College Campus
2017	Ann	FRIZELL	Barham High School
2017	Teacher of Agriculture	GETT, Verity	Wee Waa High School
2017	David	GIBLIN	Chifley College, Bidwill Campus
2017	Scott	GRAHAM	Barker College
2017	Amy	GREENWOOD	Henry Kendall High School
2017	Lara	GRIFFIN	Pittwater High School
2017	Susan	GROTH	Galston High School
2017	Belinda	HAIGH	Dubbo School of Distance Education

Financial to end of	First Name	Surname	Location
2017	Leonie	HARRIS	Frensham
2017	Adrian	HARRISON	St Gregory's College
2017	Teacher of Agriculture	HAWKINS, John	Wingham High School
2017	Colin	HAWTHORN	Red Bend Catholic College
2017	Stuart	HEMMINGS	dotEdu Consulting
2017	Tanya	HENRY	Irrawang High School
2017	Teacher of Agriculture	HERWIG Kate	Lisarow High School
2017	Briony	HODGES	Nepean CAPA High School
2017	Michael	HOLLAND	Scone Grammar School
2017	Janet	HOLMES	Mulwaree High School
2017	Teacher of Agriculture	HORLEY, Ken	Yeoval Central School
2017	Kristina	HOTSON	Camden High School
2017	Peter	HUMPHRIES	Deniliquin High School
2017	Jane	HUNTER	Camden High School
2017	Maqsood	IQBAL	St Johns Park High School
2017	Tara-Jane	IRELAND	Lake Cargelligo Central School
2017	Rachel	JACKSON	Ungarie Central School
2017	Charlie	JAMES	Singleton High School
2017	Tara	JANE	CSU Student
2017	Samantha	JARRETT	Mount View High School
2017	Claire	JOHNSON	CSU Student
2017	Jacquie	JOHNSON	North Coast TAFE, Maclean
2017	Jarrold	KELLY	Denison College-Kelso High Campus
2017	Paul	KENDAL	Lisarow High School
2017	John	KILLEEN	Bossley Park High School
2017	Adela	KING	Gawler and District College
2017	Ilka	KLEPPER	Cootamundra High School
2017	Teacher of Agriculture	LAIDLAW, John	Mudgee High School
2017	John	LEHMAN	Yolla District High School
2017	Stephan	LEHMAN	South Grafton High School
2017	Veronica	LONGRIDGE	Chifley College, Dunheved Campus
2017	Steve	MAGINNITY	Alstonville High School

Financial to end of	First Name	Surname	Location
2017	Hayley	MAHONEY	Chevalier College
2017	Teacher of Agriculture	MARITA, Sofia	Kingswood High School
2017	Melissa	MARSHALL	Moruya High School
2017	Diana	MARTIN	Murwillumbah High School
2017	Clare	MATHIASON	RuralBiz Training
2017	James	McDONALD	Yass High School
2017	Alison	McGEARY	Evans River K-12 School
2017	Michael	McGUIGGAN	St Gregory's College
2017	Jo	McHUGH	McCarthy Catholic College
2017	Jacqueline	McINTOSH	Crookwell High School
2017	Leigh	McLEAN	Portland Central School
2017	Simone	McNEILL	Moss Vale High School
2017	Mick	MELINO	St Johns College
2017	Luciano	MESITI	Colo High School
2017	Beth	MIDDLETON	Richmond High School
2017	Christina	MIKAN	St Ignatius' College, Riverview
2017	Heidi	MITCHELL	Tamworth High School
2017	Amanda	MOORE	McCarthy Catholic College
2017	Katrina	MORAN	Oakhill College
2017	Sarah	MOSLEY	RuralBiz Training
2017	Simone	NEVILLE	Tuggerah Lakes Sec. College - Berkeley Vale
2017	Eugenia	O'BRIEN	University of Sydney
2017	Erin	O'NEILL	Lake Cargelligo Central School
2017	Lucy	OSSINGTON	Quakers Hill High School
2017	Kylie	PARKER	Canowindra High School
2017	Evan	PAUL	Hawkesbury High School
2017	Trish	PEARCE	Trinity Anglican College
2017	Casey	PERKINS	WSU Student
2017	Justine	PHILLIPS	Xavier College, Llandilo
2017	Kirsty	PIONTEK	Jindabyne Central School
2017	Kathleen	PLATTS	Bega High School
2017	Georgina	PRICE	Parkes High School

Financial to end of	First Name	Surname	Location
2017	Ellie	QUINN	Yanco Agricultural High School
2017	Graham	QUINTAL	Retired
2017	David	RANDALL	Retired
2017	Melissa	READY	Menai High School
2017	Elizabeth	RUIS	Windsor High School
2017	Peter	RYAN	Nowra High School
2017	Dani	SAXON	Cranebrook High School
2017	Natasha	SHANKELTON	Tullamore Central School
2017	Adam	SHARP	Bass High School
2017	Warwick	SHAW	Woodenbong Central School
2017	Kara	SHERWOOD	Canowindra High School
2017	Nadine	SIBBALD	McCarthy Catholic College
2017	Nicole	SIMMONS	Warialda High School
2017	Leanne	SJOLLEMA	WA College of Agriculture
2017	Nicholas	SKEVINGTON	Muirfield High School
2017	Sue	SMEDLEY	Wagga Wagga Christian College
2017	Geoff	SMITH	Oakhill College
2017	Jade	SMITH	Goulburn High School
2017	Rachel	SMITH	Trinity Catholic College
2017	Deb	SNAITH	Macintyre High School
2017	Emma	SOALL	James Fallon High School
2017	Laura	SOUTHWELL	Canberra Grammar School
2017	James	STANTON-COOKE	Pennant Hills High School
2017	Carmen	STASSEN	UNE Student
2017	Amanda	STATHAM	West Wyalong High School
2017	Stuart	STOUT	Leeton High School
2017	Sarah	STREETER	Charles Sturt University (Student)
2017	Laura	TANDY	Red Bend Catholic College
2017	Laura	TOLLEY	Farrer Memorial Agricultural High School
2017	Dianne	TOYNTON	Broken Hill High School
2017	Brian	TRENCH	Camden Park Environmental Education Centre
2017	Katie	TWOMEY	James Ruse Agricultural High School

Financial to end of	First Name	Surname	Location
2017	Sky	VAN DEN BERGE	Marian College, Kenthurst
2017	Tom	VENABLES	Colo High School
2017	Jane	WALKER	Chatham High School
2017	Dean	WARD	Seven Hills High School
2017	Gary	WEBB	Finley High School
2017	Nicolet	WESTERHOF	Elizabeth Macarthur High School
2017	Sarah	WESTERWAY	Ulladulla High School
2017	Wayne	WHALE	St Paul's College
2017	Kimberley	WHITE	Kandos High School
2017	Melissa	WILLCOCKS	Inverell High School
2017	Maurice	WOODMAN	Murray High School
2017	Jennifer	WOODWARD	Byron Bay High School
2017	Beth	WORTHY	Sapphire Coast Anglican College
2017	Jan	YOUNG	Murrumburrah High School
2017	Nathan	ZINGA	Kinross Wolaroi School

174 members @ 16 September 2017 E & O E (please advise the Treasurer)

Life Members

First Name	Last Name
Ian	BAIRD
Tony	BARNETT
Don	BARTHOLOMEW
Lisle	BROWN
Tony	BUTLER
Peter	CRICK
Rod	FRANCIS
Ivan	GANT
Bob	GUEST
Graeme	HARRIS

First Name	Last Name
Phil	HURST
Peter	JONES
Arthur	KELLY
John	LEE
Robyn	O'LEARY
Graham	QUINTAL
Gail	ROBERTS
Norm	ROBINSON
Trevor	SEWELL
Jenni	WILKINS

Associate Membership

First Name	Last Name	Job Title/Organisation
Sally	BANNERMAN	SACEC, STEAM Leader, Secondary Curriculum DoE
Jackie	BREDEN	Technology Project Officer NESA
Dan	RYTMEISTER	TAS Advisor, Secondary Education DoE
Mark	TYLER	TAS Inspector NESA
NSW	ROYAL AGRICULTURAL SOCIETY	Sydney Olympic Park
Cameron	ARCHER	Chairperson PIEFA
Ben	STOCKWIN	CEO PIEFA
Kelly	SPENCE	Education Officer PIEFA

Affiliate Membership – (NAAE)

First Name	Last Name	Job Title/Organisation
Alysia	KEPERT	Agriculture Curriculum Consultant (WA)
John	LEHMAN	Yolla District High School (TAS)
Hayward	PAYNTER	Walkerie High School (SA)

Membership Application



ABN: 81 639 285 642

TITLE			NAME			
INSTITUTION						
POSTAL ADDRESS						
					Postcode	
EMAIL						
PHONE				FAX		
MOBILE				DATE		
MEMBERSHIP	Work		Individual		Payment Method	

Email this Membership form to: treasurer.nswaat@gmail.com and make cheques payable to: **NSW Association of Agriculture Teachers** (not NSWAAAT).

Post cheque to:

Treasurer NSWAAAT
Graham Quintal
16 Finlay Ave
BEECROFT
NSW 2119

OR

Pay via Direct Deposit:

Account Name: NSW Association of Agriculture Teachers
BSB: 082 939
Account Number: 639 757 522
Reference: Your Initial, Surname and "Memb".

MEMBERSHIP FEE: \$60 / annum (\$30 for students / trainees)

MEMBERSHIP REQUESTED	No of Years	
PAYMENT \$		

* Membership is based on a calendar year.

(\$5.00 of your NSWAAAT membership is paid annually to the National Association of Agricultural Educators (NAAE) for affiliate membership to the national body.) (\$10.00 of your NSWAAAT membership is paid annually to the Professional Teachers Council of NSW (PTC) which validates our Professional Development Activities.)

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The NSW Association of Agriculture Teachers is NOT registered to collect GST



Thank you to the following people for their contribution to this edition of BAAT

- ★ Robbie Ashhurst (James Ruse Agricultural High School)
- ★ Dianna Beale (Tumut High School)
- ★ Carl Chirgwin (Griffith High School)
- ★ Georgia Clark (RAS)
- ★ Chris Duver (Woolgoolga High School)
- ★ Michelle Fifield (DPI)
- ★ Scott Graham (Barker College)
- ★ Maree McNeil (Shoalhaven High School)
- ★ Luciano Mesiti (Colo High School)
- ★ Justine Phillips (Xavier College)
- ★ Georgia Price (Forbes High School)
- ★ Graham Quintal
- ★ Deb Snaith (Macintyre High School)
- ★ Sky Van den Berge (Marian Catholic College)
- ★ Nicolet Westerhof (Elizabeth Macarthur High School)
- ★ Xavier College Students