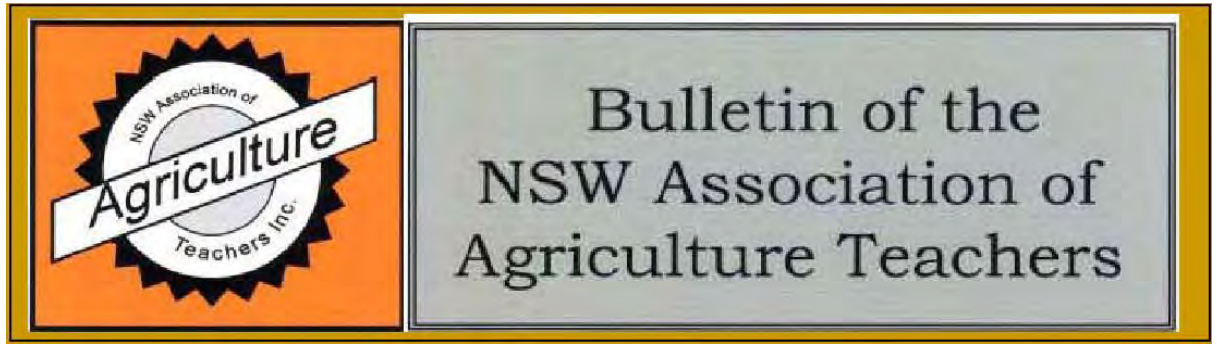




B.A.A.T

2012



Experimental Design It!!!

Aggies are Always Thinking...

N.S.W. Association of Agriculture Teachers Inc



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ABN Number: 81 639 285 642



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11. Show Successes
12. The Butler
13. Animal Welfare
14. When Will I?
15. Staple Food
16. Wats Up?
17. UNE Teacher Workshop
18. UNE in Schools
19. CSU Enrichment Days
20. ANFD
21. PISCE
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23. Syd Uni Workshops
24. Online Resources
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“FROM THE WATER IN THE DAM”



-Time does just travel along doesn't it? Where has the six months since the 17th Biennial NAAE Conference in Adelaide gone?

-Well UNE through the work of Amy Cosby brought 106 agricultural educators together at the start of March for four days of engaging learning which was very helpful before the South of the state got swept away in flood waters.

-The Canberra Agricultural Teachers Association has come onboard with an affiliated membership of NSWAAAT through the work of Sam Brentnall at Lake Tuggerong College. His desire to assist teachers in Canberra with benefiting agricultural education in their schools from our assistance is to be commended.

-We tell you what – have a look at the NSW AAT website – it's our footer for this publication as it is



packed with information – scroll through and enjoy the resources which come through each week.

-A not too oldie but a real goodie is Steve's Native Bees – www.stevesnativebees.com.au – all produced from the 2010 NSW Premiers DET Scholarship Winner and Alstonville High teacher Steve Maginnity – check it out as you'll get a real buzz out of it.

-The planning is well underway for the 17th NSW Biennial Conference based in Tocal via Maitland NSW themed '*Practical Solutions*' come next January. Look inside for the engrossing itinerary.

-The aged old saying that '*Life Begins @ 40*' – look out for the BAAT's to come then.

The BAAT Crew – Carl Chirgwin (Griffith High School), Jade Smith (Dunedoo Central School) & Justin Connors (Manilla Central School)



Let's Cut to the Chase

President's Report

National Curriculum

Thanks for the members who made responses to ACARA. We can be quite hopeful that there will be a place for Agriculture within the Technologies. It will probably appear as Food and Fibre as Forestry, Fisheries and Horticulture feel this does not include them sufficiently.

Premier's Scholarship

Thanks for those people who answered my call for help. Good luck to those who have applied. The panel has now met and passed their recommendations to the Premiers Department with their being some interesting proposals. Remember that the process of application is a valuable professional development activity and the webinar that the secretariat runs in February each year counts as 7 hours towards NSWIT. The project must include overseas travel and it is uncommon for first attempt applicants to be successful so keep applying.

17th NSWAAAT Biennial Conference

Ivan Gant & Carl Chirgwin are the organising coordinators for next years' conference to be held at Tocal in January 2013 with details inside this BAAT.

BAAT

Thanks to Carl and the team for their efforts in producing this journal. If you are unsure of your membership status, please email Laura Tolley.

NAAE Biennial Conference

Set aside early January 2014 for the first NAAE Conference in New Zealand!! More information to come in due course.

ESIS / CSIS

For DEC Members keep an eye on the Equipment Safety In Schools (ESIS) section of the portal for info about which items of machinery you can't use with students in schools such as mowers and quads. There appears to be a possible issue with front end loaders on tractors, more later. Also check the Chemical Safety in Schools (CSIS) section before you use or apply chemicals.

Chemicals

On the use of Chemicals I have been to a couple of ChemCert conferences and I have been reminded that young women should not be applying fungicides as concerns exist regarding their safety. If your chemical accreditation has run out it is well worth your while to update as there have been some significant changes in legislation.

WHS

OHS has changed to Workplace Health and Safety and the Board of Studies has issued a notice in this regard. Please make sure that you get the Board Updates emailed to you each week as it is very important you keep up to date with changes as the communication structure in your school may not pass on some of the changes to you.

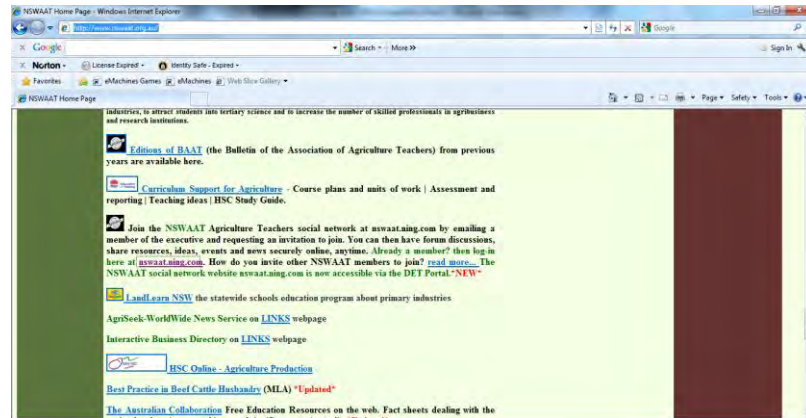
Thanks to all for your dedication to students and their learning in Agriculture and Primary Industries.

Regards

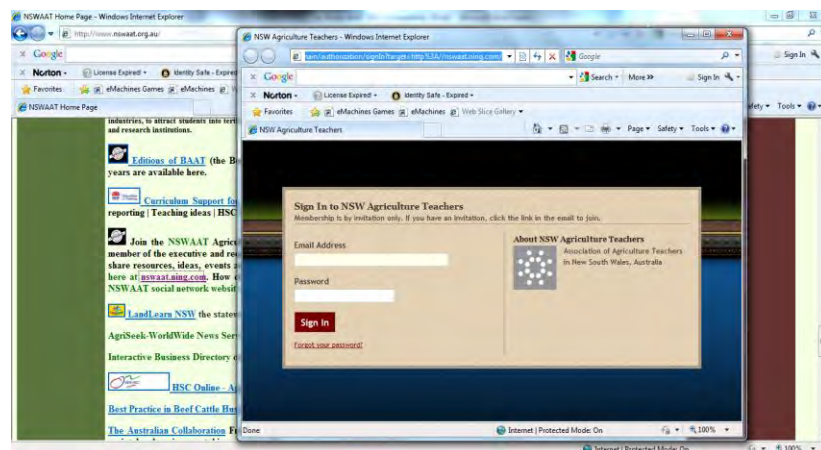
Graeme Harris
President

Still...Just Ning It!

Step 1 – www.nswaat.org.au



Step 2 – Create an Account



Step 3 – Upload your video/photos of students in action/teaching resources



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2012

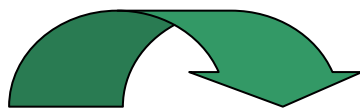
The Association needs **YOU** to become a financial member.

To maintain the viability of the Agriculture Teachers Association in NSW & allow the executive to address the issues confronting education we require your financial support by you becoming a financial member.

Do not delay; send your completed membership form & payment to the **treasurer:**

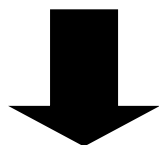
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Agricultural High
School
Calala Lane
TAMWORTH
NSW 2340
Phone: 02 6764 8660
Fax: 02 67 648 669





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TREASURER

Laura Tolley
FMAHS
Calala Lane
TAMWORTH
NSW 2340

From the President's Desk:

Membership of the Association

^ Membership fees to the NSW Association of Agriculture Teachers are now due:

If you are:

- *not financial or*
- *a new graduate or*
- *your membership status has elapsed*

& you require

- *Resources.*
- *Aggie contacts.*
- *Information on Agriculture Teachers conferences.*
- *Assistance in your professional duties.*

**COMPLETE THE
"APPLICATION FOR
MEMBERSHIP"
FORM ON THE
NEXT PAGE
&
SEND TO THE
ASSOCIATION'S
TREASURER WITH
YOUR PAYMENT.**

then you need to join the Association to assist in maintaining:

- *the Association's strength & support across the state,*
- *the place of your subject in the school curriculum,*
- *networking throughout the state,*
- *delivery of a BAAT twice a year,*
(Bulletin Association of Agriculture Teachers)
- *your say in Agriculture & PI teaching issues,*
- *access to professional readings,*
- *use of nswaat.ning.com for resource sharing.*

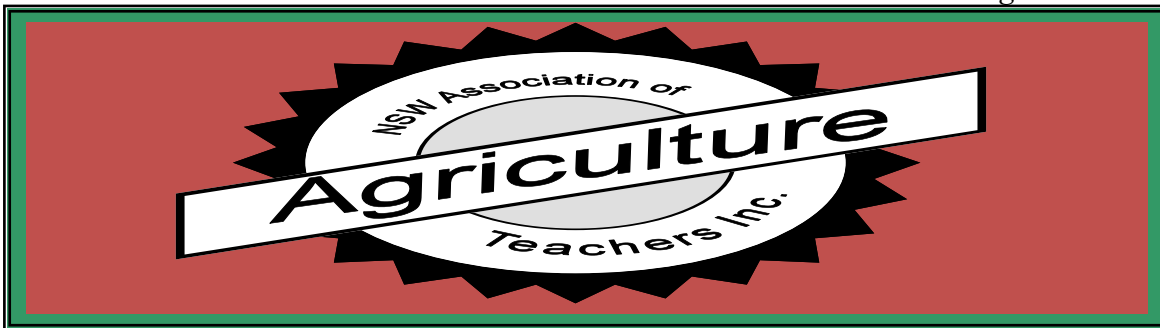
NSWAAT WEBSITE

www.nswaat.org.au

Please visit the website and catch up on what has been happening.

There are lots of photos from the Biennial Conference and many resource links to assist your teaching of Agriculture and Primary Industries.

[Please use nswaat.ning.com](http://nswaat.ning.com)



THE N.S.W. ASSOCIATION OF AGRICULTURE TEACHERS

TITLE: _____ NAME: _____

SCHOOL: _____

PHONE: _____ FAX: _____

EMAIL: _____

POSTAL ADDRESS: _____

Post Code: _____

MEMBERSHIP FEES:

* 1 YEAR: _____ \$60 (2012)

* 2 YEARS: _____ \$120 (2012-13)

N.B. Subscription applies for period from January 2012 for either one or two year period.

Subscription Required: _____ Year(s)

Amount Enclosed: \$ _____

Direct Deposit Option: To pay via direct deposit, please post this membership form and use the following details for internet banking transfers.

BSB: 082 939

Account Number: 63975 7522

Reference: Your name and "membership".

Please forward completed form with payment to:

Laura Tolley

Farrer Memorial Agricultural High School

Calala Lane

Tamworth NSW 2340 treasurer.nswaat@gmail.com

"The NSW Association of Agriculture Teachers is not registered to collect GST"



Membership

- Current Association Membership List

*July
2012*

Valid Until End of:	Given Name	Surname	School
Associate	Sally	BANNERMAN	SACEC
Lifetime	Ian	BAIRD	Murrumburrah High School
Lifetime	Tony	BARNETT	Walcha Central School
Lifetime	Don	BARTHOLOMEW	
Lifetime	Lisle	BROWN	
Lifetime	Tony	BUTLER	Tumut High School
Lifetime	Peter	CRICK	Muswellbrook High School
Lifetime	Rod	FRANCIS	Charles Sturt University
Lifetime	Phil	HURST	Hawkesbury High School
Lifetime	Peter	JONES	Windsor High School
Lifetime	John	LEE	Glen Innes High School
Lifetime	Robyn	O'LEARY	Finley High School
Lifetime	Norm	ROBINSON	
Lifetime	Trevor	SEWELL	
Lifetime	Jenni	WILKINS	Birrong Girls High School
Lifetime	Gail	ROBERTS	James Ruse Agricultural High School
Associate	Howard	KENNEDY	NSW BOS
Associate	NSW RAS	RAS	Sydney Olympic Park
Associate	Nigel	GRANT	The Scots PGC College (QLD)
Associate	Tracy	SOWARD-AMALIFI	Sarina State High School (QLD)
Associate	Mandy	LINDSAY	Atherton State High School (QLD)
Associate	Alysia	KEPERT	Agriculture Curriculum Consultant (WA)
Associate	John	AGNEW	Naracoorte High (SA)
Associate	Mat	EVANS	Snowtown Area School (SA)
Associate	Stu	HEMMINGS	Office of Schools (NSW)
Associate	Andrew	COSBY	Elisabeth Murdoch College (VIC)
Associate	Andrew	JOK	Nhill College (VIC)
Associate	Sam	BRETNALL	Lake Tuggerong College (ACT)
Associate	Cameron	ARCHER	Tocal College (NSW)
Associate	Ben	STOCKWIN	PIEF (ACT)
Associate	Amy	COSBY	UNE (NSW)
Associate	Emma	WORDSWORTH	PISCE via CSU (NSW)
2012	Teacher of Ag		Bomaderry High School
2012	Teacher of Ag		Broken Hill High School
2011	Teacher of Ag		Camden High School
2012	Teacher of Ag		Colo High School
2012	Teacher of Ag		Genesis Christian College
2013	Teacher of Ag		Griffith High School
2012	Teacher of Ag		Koorinal High School
2011	Teacher of Ag		Lisarow High School
2011	Teacher of Ag		Lithgow High School
2012	Teacher of Ag		Mendooran High School
2011	Teacher of Ag		Mudgee High School
2011	Teacher of Ag		Primary Industries Centre, Wagga
2011	Teacher of Ag		St Francis College, Leeton
2012	Teacher of Ag		St Joseph's College
2012	Teacher of Ag		The Riverina Anglican College
2011	Teacher of Ag		The Scots School Albury

2012	Teacher of Ag		Toormina High School
2011	Teacher of Ag		Wauchope High School
2013	Teacher of Ag		Wingham High School
2011	Teacher of Ag		Wyong High School
2011	Teacher of Ag		Young High School
2011			Australian National Field Days
2012	Andrew	ABERCROMBIE	Galston High School
2011	Brian	ADAMS	Lithgow High School
2012	Bryon	ADAMSON	Corowa High School
2012	Mufutau Afolabi	NASIRU	Sarasas Witaed Suksa School
2012	Bob	ANDERSON	Knox Grammar School
2012	Gonzalo	ARMAS	Henry Kendell High School
2011	Phil	ARMOUR	Yass High School
2011	Billinda	AULD	La Salle Academy
2012	Vicki	AUSTIN	Terrigal High School
2011	Fiona	BAILEY	Musselbrook High School
2012	Carolyn	BAKER	The Henry Lawson High School
2012	David	BAKER	St Gregory's College
2012	Naomi	BAKKER	Hay War Memorial High School
2012	Norm	BALZER	Casino High School
2011	Barbara	BANNISTER	XSEL Virtual Selective High School
2011	Colin	BARKER	Lyndhurst
2011	Diana	BEALE	Tumut High School
2011	Susan	BEHAN	Denison College-Kelso High School
2011	Paul	BOON	Macarthur Girls High School
2012	Phill	BOOTH	Henry Kendall High School
2011	Craig	BOURNE	Singleton High School
2011	Sheree	BOURKE	Menai High School
2011	Graham	BRAMLEY	St Paul's College, Kempsey
2012	S	BRENNAN	John Paul College
2011	Louisa	BRIGGS	Brisbane Waters Secondary College
2010	Jacqui	BROOKSBY	Student Teacher
2011	Eddie	BUCKINGHAM	Mullumbimby High School
2013	Diana	BURGE	Student Teacher
2011	Tracey	BURTON	Plumpton High School
2012	Jennifer	CAINES	Mount Annan Christian College
2011	Melanie	CAMPBELL	Moree Secondary College
2011	Sheena	CARTER	Student Teacher
2012	Hannah	CASKEY	Wee Waa High School
2012	Dale	CHADWICK	Gundagai High School
2011	Megan	CHANDLER	Narara Valley High School
2012	Carl	CHIRGWIN	Griffith High School
2010	Caroline	CLATWORTHY	Macquarie Fields High School
2011	Peter	COLLETT	Tenterfield High School
2010	Nikia	COLLINS	Hillston Central School
2012	Helen	COLMAN	Molong Central School
2011	Justin	CONNORS	Manilla Central School
2012	Ben	COOMBES	Peel High School
2011	Nigel	COX	Singleton High School

2011	Ian	CRABB	Queanbeyan High School
2011	James	CRONIN	Hennessy Catholic College
2011	Elena	DAGHER	Bossley Park High School
2011	Anita	DE LA MOTTE	Bomaderry High School
2010	Gerard	DELANY	St Columba's High School
2012	David	DRURY	Waldobo Community School
2010	Christine	DUVER	Student Teacher
2012	Claire	DUGGAN	Student Teacher
2011	Nicole	DWYER	Gloucester High School
2011	Rachel	EAGLES	Forbes High School
2012	Susan	EARL	Red Bend Catholic College
2012	Max	EDEN	Taree High School
2011	Cameron	ELLISON	McAuley Catholic School Tumut
2012	Bryce	EVLENSTEIN	Taree High School
2012	Sarah	EYB	James Sheahan Catholic High School
2011	Guy	FAHEY	Albury High School
2011	Ian	FAWBERT	Northholm Grammar School
2010	Leanne	FERGUSON	All Saints College, Bathurst
2012	Megan	FINNIMORE	Batlow Technology High School
2010	Mark	FISHER	Walcha Central School
2012	Rob	FORSBERG	St Joseph's College
2011	Ivan	GANT	Hunter Central Coast Regional Office
2010	David	GELL	Anson St School, Orange
2010	Cliff	GEORGE	Peak Hill Central School
2011	Gennie	GITTOES	NSW Farmers
2011	Helen	GLOVER	Macarthur Anglican School
2013	Milton	GOWER	Macarthur Anglican School
2012	Melissa	GRABHAN	Ashford Central School
2011	Richard	GRANT	James Ruse Agricultural High School
2012	Neil	GRIFFITH	Irrawang High School
2012	Stuart	GRIMMETT	Woodenbong Central School
2010	Nicky	GUNNING	Junee High School
2011	Graeme	HARRIS	Farrer Memorial Agricultural High School
2011	Leonie	HARRIS	Frensham
2011	Adrian	HARRISON	St Gregory's College
2012	Lois	HARRISON	Merriwa Central School
2012	Ian	HATHERLY	Kinross Wolaroi School
2011	Colin	HAWTHORN	Red Bend Catholic College
2010	Ian	HEFFERNAN	Dapto High School
2012	Robert	HENDERSON	Tomaree High School
2010	Stuart	HILL	Pennant Hills High School
2012	Michael	HOLLAND	Scone Grammer School
2011	Sue	HOPE	Goulburn High School
2011	Mark	HOPKINS	Bega High School
2011	Kristina	HOSTEN	Bossley Park High School
2012	Peter	HUMPHRIES	Deniliquin High School
2011	Judith	ING	Student Teacher
2011	Maqsood	IQBAL	St Johns Park High School
2011	Grant	JACKSON	Gosford High School
2012	Charlie	JAMES	MaCarthy Catholic College
2011	David	JOHNSON	James Fallon High School

2013	Karen	JOHNSTON	James Ruse Agricultural High School
2012	Ken	JONES	Blayney High School
2010	Ian	JUDD	Kyogle High School
2011	Prue	KESBY	St Mary's College, Gunnedah
2011	John	KILLEEN	Bossley Park High School
2010	Ilka	KLEPPER	Cootamundra High School
2011	M	KOLLER	Nagle College
2010	Tracey	LEE	Albury High School
2012	Ian	LEES	Ulladulla High School
2011	Adam	MACRAE	Coonamble High School
2010	Scott	MACKENZIE	GRC Penshurst Campus
2010	Steve	MAGINNITY	Alstonville High School
2013	Hayley	MAHONEY	Picton High School
2012	Bruce	MANKTELOW	Scone High School
2011	Jenni	MANNA	St. Joseph's College
2010	Diana	MARTIN	Murwillumbah High School
2012	Julie	MASLIN	West Wyalong
2012	Peter	MATUS	The Scots School
2013	Kaliya	MAXWELL	Student Teacher
2011	Samantha	McAULIFFE	Mount View High School
2012	Patrick	McCANN	Flinders Christian Community High School
2012	Peter	McCANN	St Josephs College
2011	Ross	McGREGOR	Hurlstone Agriculture High School
2012	Denise	McHUGH	McCarthy Catholic College
2012	Jacqueline	McINTOSH	Crookwell High School
2013	Richard	McKAY	Farrer Memorial Agricultural High School
2011	Owen	McLAUGHLAN	Canowindra High School
2011	Jock	McLAURIN	Yeoval Central School
2013	Paul	McLEAD	Wellington High School
2011	Allan	McMILLAN	Wagga Wagga High School
2011	Maree	McNEIL	Shoal Haven High School
2012	Stuart	McVITTIE	Gunnedah High School
2011	Mick	MELINO	St Johns College
2011	Luciano	MESITI	Student Teacher
2012	Christina	MIKAN	St Ignatus
2010	Tim	MINEHAN	Young High School
2010	Fiona	MULHALL	Chevalier College
2012	David	MULLER	St John Evangelist Catholic High School
2011	Rochelle	MUTTON	Mackillop College
2010	Peter	NAPIER	Orange High School
2011	Simone	NEVILLE	Tuggerah Lakes Secondary College
2010	Trevor	NEWMAN	Nowra High School
2010	Bronwyn	NIELSEN	Calrossy Anglican School
2012	Steven	NOAKES	Kadina High School
2010	Steven	NOTT	Carinya Christian School
2011	Craig	O'BRIEN	Moss Vale High School
2010	Nicole	O'BRIEN	Chevalier College
2012	Richard	O'CONNELL	Mater Dei Catholic College
2011	Benjamin	O'LEARY	Rutherford Technology High School
2012	Phillip	OLIVER	Georges River High
2010	Fiona	PAIN	Student Teacher

2012	Emily	PEARN	Deniliquin High School
2011	Cathy	PERRI	Wollondilly Anglican College
2011	Gavin	PRICE-JONES	The Rock Central School
2011	Georgina	PRICE	Coleambally Central School
2012	Darren	RADFORD	Oxley High School
2011	Renato	RAMSAY	Sydney Distance Education High School
2010	Stephen	RAWLINSON	Pittwater High School
2012	Emma	RILEY	Baradine Central School
2012	Paul	ROSS-NEW	Kingswood High School
2010	Katie	ROWE	Gulargambone Central School
2012	David	SAUNDERS	Orana/Coffs Harbour
2011	Dani	SAXON	Cranebrook High School
2011	Maryann	SCHILLER	Hennessy Catholic College
2010	Nadine	SIBBALD	McCarthy Catholic College
2011	Nicole	SIMMONS	Student Teacher
2012	Natasha	SHANKELTON	Tullamore Central School
2010	Warwick	SHAW	Woodenbong Central School
2012	Paul	SMITH	Cowra High School
2012	Jade	SMITH	Dunedoo Central School
2013	Deb	SNAITH	Macintyre High School
2010	Geoff	SPENCE	Brisbane Waters Secondary College
2010	Stuart	STOUT	Leeton High School
2011	Jane	SWAN	Dapto High School
2012	Jessica	TATE	Menindee Central School
2012	Vanessa	TAYLOR	Mulwaree High School
2012	Leigh	THATCHER	Pittwater High School
2010	AJ	THOMAS	Armidale High School
2012	Laura	TOLLEY	Farrer Memorial Agricultural High School
2012	Stephen	TRICKETT	Billabong High School
2011	Katie	TWOMEY	McAuley Catholic College
2012	Ron	VICTOR	Morisset High School
2010	Tracey	WATSON	Student Teacher
2011	Nicolet	WESTERHOF	Elizabeth MacCarthur
2012	Gary	WEBB	Finley High School
2012	Allison	WELLS	Barker College
2012	Wayne	WHALE	St Paul's College, Walla Walla
2012	Doug	WHITE	Manilla Central School
2011	Nigel	WHITE	Dubbo Senior College Campus
2011	Richard	WHITE	Balranald Central School
2011	Maurice	WOODMAN	Murray High School
2011	Jennifer	WOODWARD	Byron Bay High School
2012	Beth	WORTHY	Sapphire Coast Anglican College

I gave you another chance to renew YOUR membership

Skillaroo



WorldSkills Australia | Competitions | VETiS

VETiS

If you are a school student you can also participate in the WorldSkills Competitions and even make it to the national level!

Students studying their first year of a VET subject can enter the WorldSkills Australia VET in Schools (VETiS) Competition to represent their school, community and state.

The first level of VETiS Competitions can be held within schools and colleges. Competition projects are aligned with Certificate I/II in relevant National Training Packages and can be coordinated by teachers and completed within class as part of an assessment.

The top students from the in-school competition may then continue the cycle at a regional level and possibly the national level. Once they have left school some students continue the WorldSkills competitions as an apprentice or trainee and can receive prestigious scholarships or compete for Australia at the WorldSkills International Competition.

Participating in competitions aligned with their relevant VET syllabus means competitors develop competencies and benchmarks that will boost their career pathway after school. The WorldSkills VETiS Competitions also benefits the school, local communities and industries amidst the national skills shortage.

Alexis Scott

Competition Categories

- Automotive Services
- Business Services
- Commercial Cookery
- Construction
- Electrotechnology
- Entertainment
- Food & Beverage
- Horticulture
- Information Technology
- Metals & Engineering
- Primary Industries
- Retail
- Tourism
- Viticulture



Primary Industries

Have you grown up in the country, or would like to work on the land? Workers in Primary Industries provide products and services that influence the daily lives of all members of society.

What sort of things do Primary Industries workers do?

- Acquire a range of technical, personal and organisational skills
- Operate tractors and other machinery
- Breed, handle, feed, treat livestock and select for market
- Plant, treat and harvest crops
- Build and maintain farm machinery and infrastructure e.g. fences

Where do Primary Industries workers work?

- Beef and sheep and other properties involved in primary production
- Nurseries and seed propagation companies
- Market gardens
- Animal Care facilities
- Local Councils
- Government departments e.g. Primary Industries
- Research facilities

You may enjoy being an Primary Industries worker if you...

- Enjoy working outdoors and are physically fit
- Enjoy working independently and/or in isolated environments
- Have a personal background/interest in agriculture
- Are interested in applied science



Automotive Services
Business Services
Commercial Cookery
Construction
Electrotechnology
Entertainment
Food & Beverage
Horticulture
Information Technology
Metals & Engineering
Primary Industries
Retail
Tourism
Viticulture

Search For A Job In This Trade



www.worldskills.org.au

Not a 1 Hit Wonder



I have worked with Phil Hurst on several projects over the last 25 years, including HSC marking, State Agriculture Advisory Group, NSWAAAT and the Schools Animal Care and Ethics Committee (SACEC).

In 1999 when I was employed to manage the SACEC, Phil was really doing the *boy with his finger in the dyke* job on SACEC. He was trying to bring some sanity and teacher perspective to a very opinionated and unruly committee. He did a sterling effort with the limited time he had to commit to the project. Over the next couple of years he would accompany me on many school visits and help me understand the legislation and at times help to make the occasional cowboy agriculture teacher see some sense.

I have always valued Phil's advice, considered, professional and informed. He has never been arrogant or full of his own importance although he has the talent and skills that would give him the right to do this.

As the Schools Animal Welfare Officer and 12 years later, I still often ring Phil and ask his advice. 12 years later he always has the time for me and always provides intelligent and useful council.

I hope that some younger and less experienced teachers have taken the time to note these strengths and can use Phil as a worthy role model.

I wish Phil all the best for his retirement. I know he'll find plenty to do and I know I will still find the need to ring him. Thankfully I have his mobile number.

Best Wishes,

Sally Bannerman

Hurst Rd – As Roads are Named after Legends!!/



'Phil has been a bloody good mentor to me for the past few years, most of the time through emails and the odd conference here or there. As an emerging agricultural teacher and leader within the industry, Phil has given me the confidence through wise words like an owl in the night to push forward with my passion.'

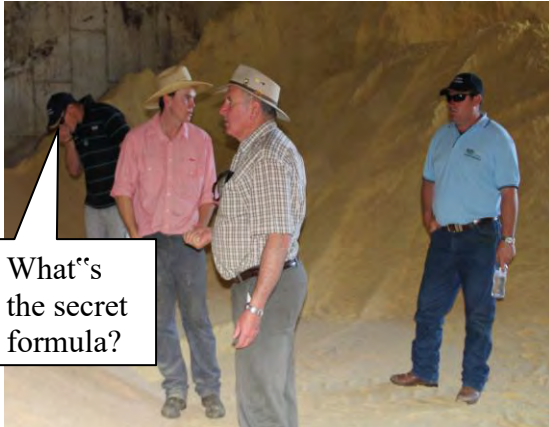
Phil like many other ag teachers often would be on the phone, writing an email and feeding chickens all at the same time for his love of agricultural education.

I wish Phil all the best with his 'so-called' retirement and our association knows that we have had an absolute legend serve us for many an era. Just let him know that BAAT is after a new editor who has some time on their hands...'

*Carl Chirgwin
Griffith High School*



A Look Back @ The 2010 Tamworth NSW AAT Conference



What's the secret formula?



We LOVE our Beef!!!



What a simple system, I reckon I could do this



So Tony, I mean well Tony, but Tony, I'm telling ya" Tony...



Where are you Native grass?



As I would say – Mind Boggling

2013 - NSW AAT Conference - Tocal, NSW

Practical Solutions



20-24th January

Tocal College, CB Alexander Campus is situated in the picturesque Hunter Valley about 180 km north of Sydney. It provides a unique blend of agricultural training and practical experience for school leavers and other people who may be interested in rewarding careers in agriculture.

Year 10, 11 or 12 school leavers gain a practical pathway to careers in agriculture or gain credit in a variety of university degrees. Tocal College also provides a diverse range of education products and services to farmers, landholders and rural industries.



Cost:
 \$300 (2012 NSW
 AAT members) by
 31/10
 \$380 (Non-
 Members)
*Membership Cut-
 Off 30/11/12*

A Family Friendly Conference

Day 1 – Sunday 20th January (TBC)

Time	Requirement
From 3pm	Delegates Arrive
	Pick people up from Newcastle Airport/Paterson
	6-?pm BBQ & Drinks (Drinks provided) Meet & Greet

Day 2 – Monday 21st January (TBC)

Time	Requirement
7-8	Breakfast
8-9	Delegates Arrive to Central Meeting Point
9-9.15	Conference Introduction – Cameron Archer
	House Keeping
9.15-10.15	QANDA with a Panel
10.15-10.40	Morning Tea & Walk to the Field
10.45-12.30	Precision Agriculture in Action -Yamaha Aeroplane Spray Unit (1 hour) -Crop Optics Weedseeker (45 minutes)
12.30-1.30	Lunch Kubota Demo
1.30-2.30	Bus Tour of TOCAL College -TOCAL Buses & Staff
2.30-3.15	Stock Handling Workshop 1
3.15-3.30	Afternoon Tea
3.30-4.30	Stock Handling Workshop 2
4.30-5	Pasture Smudging
5-6	Animal Nutrition & Photonic Therapy
6-7	Dinner Preparations
7-11	Dinner & Networking



Enjoyed the tours & sampling local produce. Also, a great time networking –
Nicolet Westerhof

Very good time & wine –
Prue Kesby



It's all about networking and more networking –
Justin Connors

Day 3 – Tuesday 22nd January (TBC)

Time	Requirement
7.30-8.30	Breakfast
8.30-9.30	Hatching Careers @ TOCAL
9.30-10.30	Microbiology Workshop -Amy Cosby UNE
10.15-10.40	Morning Tea & Trade Display
11.30-1.30	Concurrent Workshops (1 hour each & swap) -Composting (Bill Scone) -Aquaponics (Sydney Permaculture)
1.30-2.30	Lunch – David Moor from NSW Ag Shows regarding junior judging
2.30-4.30	Concurrent Workshops (1 hour each & swap) -Bees (Steve Maginnity) -Wool Judging (Scone TAFE)
4.30-4.45	Afternoon Tea
4.45-6.00	Ringlock It
6-7	Dinner Preparations
7-11	Dinner & Networking

Day 4 – Wednesday 23rd January (TBC)

Time	Requirement
7.00-8.00	Breakfast
8.00-6.00	Central Coast Bus Tour 1
8.00-6.00	Tomaree Penninsular Bus Tour 2
8.00-6.00	Hunter Bus Tour 3
6-7	Conference Dinner Preparations @ Homestead
7-11	Conference Dinner & Presentations

Day 5 – Thursday 24th January (TBC)

Time	Requirement
8.00-8.30	Breakfast & Vacate
8.30-11.00	NSW AAT BGM
11.00-	Conference Finished
11.00-	Deliver people to Newcastle Airport/Paterson

How to Enrol???

Name: _____	School: _____
Address: _____	
Numbers Attending: _____	Rooms' Needed: _____
Pickup Requirement: Yes/No Location of Pickup: Paterson Train Station/Newcastle Airport	
Time Required to be Picked Up: _____	Day & Date Required to be Picked Up: _____
Dropoff Requirement: Yes/No Location of Dropoff: Paterson Train Station/Newcastle Airport	
Time Required to be Dropped Off: _____	Day & Date Required to be Dropped Off: _____
Dietary Requirements: _____	Shirt Size: _____

Please tick and deliver on which applies to you for the following:

- ☐ **Early Bird Full Conference Fee: \$300 (Pay By 31/10/12)** (If an individual or school member of NSW AAT as of 30/10/12)
- ☐ **Full Conference Fee: \$330 (From 1/11/12-31/12/12)** (If an individual or school member of NSW AAT as of 30/11/12)
- ☐ **Full Conference Fee: \$380 (If a non-member of NSW AAT as of 30/11/12)**
- ☐ **Conference Dinner Only Fee: \$50**

Please Circle Your Payment Option:

Direct Debit

Name: _____
 BSB: 082 939
 ACC No: 63975 7522
 Reference: Your name and „conference“

Cheque

Name: _____
 NSW AAT
 C/-Laura Tolley
 NSW AAT Treasurer
 FMAHS
 Calala Lane
 Tamworth NSW 2340

Attention This Enrolment Form To:

Mail:

Carl Chirgwin
 C/- Griffith High School
 PO Box 1021
 GRIFFITH
 NSW 2680

Email:

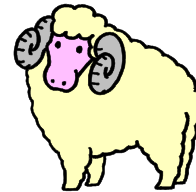
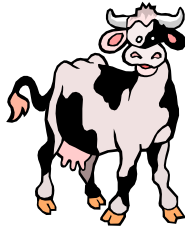
carl.chirgwin1@det.nsw.edu.au

Fax:

02 69 641 465

Enrol & Pay before 31/10 and save \$80!!!

Building on the Amended HSC Agriculture Syllabus



St Joseph's College Agriculture Department

Mark Street
HUNTERS HILL 2110
02 9816 0900 (P)
02 9816 0877 (F)
rforsberg@joeys.org
0410 116 555.

Sunday, 29 July 2012

WHERE DO YA GET IT!

As an old hand at teaching these subjects I do know that some newcomers can find it quite difficult to get the right type of information for their students and what's more you want it NOW! Keeping a useable folder for particularly "hard to get stuff" can be very useful. The new elective studies present an excellent opportunity to do just this. I decided to study elective 3, Farming for the 21st century. I think that we can all see that there is some crossover between electives 1 and 3. It will be interesting to see what this year's HSC elective questions look like. Here are some useful information sources that I have come across this year for elective 3.

- **Prime Facts** in NSW DPI is still a reliable provider
- The **Journal of Animal Science** can lead to some excellent pieces of relevant research
- The **CRC for Beef Genetic Technologies** is terrific. If you contact them <beefcrc@une.edu.au> you can get on their electronic emailing list and be sent **Beef bulletins** documenting latest research results and information. At the same site you can also access the **"Livestock library"** which is an outstanding resource for research papers on anything and everything to do with animal production.

- Become an associate/school member of a **cattle breed society**, if you're not already, or however you can join cheaply, and you receive regular breed society bulletins, which often contain very useful material for teaching purposes—certainly up-to-date marketing information, show results, scientific papers and the like.
- Check out the **Southern Beef Technology Services** web site. This is a cracker! This site runs webinar conferences on the latest technologies and trends and movements in beef cattle production and breeding. You can log in to the site and participate in these conferences free of charge. They usually run for 45 minutes to an hour and you can ask questions. A real advantage of these is that you, as a participant, will be sent a copy of the webinar which you can then show to your students.

Hope that these couple of information sources may help out those who are already or might be considering doing, elective number 3.

All the Best,

Rob Forsberg,
Head Teacher,
Agriculture and Primary Industries"

Editor's Note: Thanks a **heap** too Rob for this information as it is exactly what the BAAT team is looking for from ANY AG/PI teacher.

We all have great info and contacts – so let's share them – exactly how Rob Forsberg has!!!

A short piece like this to carl.chirgwin1@det.nsw.edu.au is just what the vet doctor ordered!

You ROCK Rob!!!

Coleambally Irrigation at It's Best!

For the past two years, the Griffith High School Agriculture class has used Coleambally Irrigation through **Austin Evans** (02 69 544 003) to assist with the 'Farming for the 21st Century HSC Agriculture Elective'.

Austin has given our students all of the information in regards to a General Overview of the Coleambally Irrigation Scheme, Area of Operations, Enterprises Grown, Flume Gates (Our Major Technology Study) and The Geo-Electric Cable (Our Major Research Paper).

Our students partake in an organised field trip to the main office at Coleambally, view the work of the geo-electric cable by an intensive power-point presentation and get to witness a flume gate in operation with water passing through.

Our thanks to Austin Evans and Coleambally Irrigation Cooperative Limited for assisting with us cover $\frac{3}{4}$ of the HSC dot points in a day's field trip.

Carl Chirgwin
Agriculture Teacher
Griffith High School



Zalymn Theodore (GHS), Samantha Evans (GHS), Austin Evans (CICL) & Ryan Kiely (GHS)

Austin Evans (CICL)

www.colyirr.com.au

2012



Griffith High School Year 12 Agriculture Study Booklet

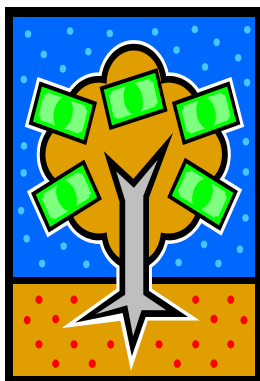
„Farming for the 21st Century“

HSC Elective

Coleambally

Austin Evans

C/- Coleambally Irrigation
Cooperative Limited



Coleambally Irrigation Seminar
(Power Point Presentation on the scope of
Coleambally Irrigation Area)

[illegible]

Coleambally Irrigation Research Study
(Geo-Electric Cable – Basis of research study and
how it was all carried out)

[illegible]

Coleambally Irrigation Innovation
(Total Channel Control, Flume Gates etc)

[illegible]

[illegible]

Aggies are Always Thinking...

Sweet as Honey



Australian Native Bees for Schools

Do you want to learn about native bees and anaphylaxis at your school or home?

Help preserve and learn about a precious native resource whilst covering environmental education, literacy, numeracy and Aboriginal education syllabus requirements.

With a fresh new teaching resource that covers a variety of curriculum areas.

The screenshot shows the homepage of Steve's Native Bees. The header has a yellow background with the text 'POLLINATION | EDUCATION | CONSERVATION' and 'Sale and hire of bees. Education programs. Hive rescues.' Below this are buttons for 'SALES', 'ENQUIRIES', 'FORUM', and 'COMPETITION'. A central image shows a bee on a flower. To the right is a cartoon bee character. The main content area is divided into two columns. The left column is titled 'Steve's Native Bees products & services' and lists various offerings like Australian native bee conservation, finding native bee hives, and purchasing bee hives. The right column is titled 'Latest News & Events' and features a 'Competition' section with a deadline of 26 April and a 'Native Bee Presentations at Schools in 2012' section with a note that bookings for 2012 are limited.

www.stevesnativebees.com.au

This screenshot shows a detailed view of the 'Competition Details' and 'Education Programs & Packages' sections. The 'Competition Details' section includes a link to competition details and a description of the prize. The 'Education Programs & Packages' section describes a detailed information package that covers a wide variety of curriculum areas, including agricultural technology, science, geography, and history. It also mentions that the program includes valuable information about various aspects of Australian native bees, plus questions and activities targeted at different student abilities and learning strategies. A cartoon bee character is also present in this section. The 'Latest News & Events' sidebar on the right repeats information about the competition and school presentations.

THE Northern Star

Waxing Lyrical on Bees

Mel McMillan | 8th March 2010

THERE is a renewed force of insect pollinators in our local macadamia orchards.

And you will be happy to know the native troops are winning a war against a difficult pest.

Australian native bees are the secret.

Alstonville High School agriculture and science teacher Steve Maginnity learnt about native bees when he went to a beekeeping course two years ago.

Since then he has fallen in love with the tiny four-winged wonders.

"They are amazing creatures and their importance is increasing every day," Mr Maginnity said.

There are more than 1500 species of native bees, none of which is aggressive. Only 14 species live in colonies.

The bees, unlike the European bee, are less susceptible to hive

destruction by the small hive beetle, which has been threatening bee populations since its introduction into Australia in about 2000.

According to Mr Maginnity, native bees fight off the beetle by filling their mouths with wax which they then dab on to the backs of the predator. The effect is the beetle becomes mummified and dies.

The bees are capable of pollinating many tropical and subtropical plants including macadamias, blueberries, rockmelons, watermelons and strawberries.

As feral colonies of European bees decline, due to the beetle, farmers are turning more and more to the native bee for pollination.

Australian Macadamia Society chief executive Jolyon Burnett said many macadamia growers were enthusiastic about the potential of native bees.

"As we try to move to becoming more sustainable we are encouraging native insects in the orchard," Mr Burnett said.

Mr Maginnity said using native bees in macadamia farms could increase kernel size by up to 10 per cent.

Unfortunately, a colony of native bees produces only one to one-and-a-half litres of honey each year, compared with European bees which produce about 50 to 70 litres.

However, the honey has a eucalyptus flavour and is considered a delicacy.



www.stevesnativebees.com.au

Show Successes



Success for MAHS Show Team

22 March, 2012

DEDICATION, hard work and outstanding team skills are giving the Mount Austin High School Show Team an edge over more fancied rivals.

The talented MAHS team has enjoyed remarkable success on the show circuit since the school began exhibiting sheep eight years ago.

Since the beginning of the year the team has ventured to three shows around the state, each time coming home with championship ribbons.

These victories are far from isolated, with show team facilitator **Amanda Conley** revealing MAHS rarely returns from an event without ribbons.

Making the wins all the more note-worthy, the school is regularly pitted against professional sheep breeders and exhibitors.

“Last year the team finished with champion ewe and champion ram at the Canberra Show and we finished with the reserve champion ribbon title for the all British Breeds Group at the Bendigo Australian Sheep and Wool Show,” she said.

“We were particularly happy with these results because these shows are highly-competitive. “In Bendigo we were actually up against all the other British breeds and there were quite a few professional breeders and exhibitors showing their sheep.”

Each year the school competes in approximately seven shows around NSW, including Dubbo, Bendigo, Canberra, Henty, Gundagai, Culcairn and Yarrowonga.

The team is made up of students from year seven to 11 who expressed an interest in learning to show sheep.

“Anyone can join the show team; it is not restricted to kids that do agriculture,” Amanda said.

“We only have one kid on the team that has any farm connection, the rest are just city kids that have country interests.

“A lot of time and effort goes into preparing these sheep for the shows, and, than actually competing at the shows so it is a big commitment from the kids.

“The students that are involved really benefit from being in the team because they are developing great leadership skills and learn to work very well in a team.”

Students involved in the program are also exposed to a wide range of experiences and a broad variety of intriguing topics.

“During the year the kids are involved in the breeding program so they learn all about embryo transfers and artificial insemination,” she said. “They work closely with the vets and help with ultrasounds.

“Most of the sheep we are winning with are from our own breeding so the kids are involved in the full process.”

While the Amanda said the show team has no shortage of support from the school community, students have still had to deal with two horrific events in recent years.

“Before we got the high fences we had someone break in and kill one of the sheep,” Amanda said. “That was tough but last year we had our sheep on a property at San Isdore and dog got in and attacked the flock.

“The scene that was left was something you will never forget.

“We were lucky though, because when I rang a breeder in Albury by the name of Colin Becker in the hope of buying some more sheep and he said he would give them to us.”



2012 Sydney Royal



Queanbeyan High School Agriculture students achieved their best ever result at the Royal Easter Show. They entered 12 Frizzle bantams across 8 classes and won 7 of those classes. The wins came in the white rooster, hen and cockerel classes and the coloured rooster, hen, cockerel and pullet classes. This was followed by three section winners, Champion coloured Frizzle and reserve Champion overall in the Frizzle bantam section. The best white Frizzle and overall Champion was bred in Mudgee by one of Australia's most respected and experienced poultry breeding families.

40 students travelled to the show and saw first-hand the high standard of the livestock and farm produce vying for the awards at a Royal show.

Agriculture students are involved in every stage of the process from selecting the best genetics in the breeding flock through the incubation and chicken raising then onto the final appraisal and preparation of the show team.

The next challenge is the National Show at EPIC over the June long weekend. Every Olympic year, Canberra hosts the biggest poultry show in the southern hemisphere with 5000 fowls, ducks, geese and turkeys being assessed by the judges. Competitors from every state converge on the nation's capital for 3 days of friendly rivalry.

Recent ex-student Rachel McKenzie also travelled to Sydney to compete in the State Final of the Dairy Goat Junior Judging competition. Rachel returned home with the Reserve Champion ribbon and scored just 2 points less than the winner from Canobolas Technology High School. Rachel is in the final year of her Animal Handling course at CIT.

Ian Crabb

Agriculture Teacher
Queenbeyan High School



Champion Coloured Frizzled Bantam



Best White Frizzled Bantam

FRIZZLE BANTAMS FOR GENETICS STUDIES

BY IAN CRABB – QUEANBEYAN HIGH SCHOOL

Tired of using red, roan and white calves to explain genetic inheritance? Haven't got enough land to run a herd of Shorthorn cattle anyway? Well, there is another farm animal which exhibits all three genotypes as three different phenotypes.

The Frizzle is unique among fowls due to its curled feathers. Frizzles appear as mutant sports from time to time in various breeds. The bantam variety has a long history dating back to the Japanese Emperors who kept bantams in their palace gardens. They are readily available in Australia whereas, the large fowl Frizzle is quite rare.

The homozygous Frizzle (FF) has thin wispy feathers where the tip of the feather curls back towards the head while the edges curl in towards the centre of the feather. These birds are referred to as "curlies" in this article. The heterozygous Frizzle (Ff) has broad feathers with the tip curled back towards the head. These are the Exhibition Type Frizzles. The Japanese call them Peony Fowls due to their resemblance to the petals of the Chrysanthemum flower. Straight Frizzles (ff) have feathers which are broad, point towards the tail and follow the contours of the body. Other breeds of poultry are also (ff) and may have modifying genes which suppress the expression of the Frizzle gene.

The Frizzle gene is an **incomplete dominant** where the F1 offspring resemble neither of the homozygous parents. Roan cattle by contrast, are **co-dominant** as they resemble both parents due to the presence of both red and white hairs.

Possible crosses:

<u>PARENTS</u>		<u>OFFSPRING</u>
Curly (FF) X Curly (FF)	=	All Curly (FF)
Curly (FF) X Frizzle (Ff)	=	1 Curly (FF) : 1 Frizzle (Ff)
Curly (FF) X Straight (ff)	=	ALL Frizzle (Ff)
Frizzle (Ff) X Frizzle (Ff)	=	1 Curly (FF) : 2 Frizzles (Ff) : 1 Straight (ff)
Frizzle (Ff) X Straight (ff)	=	1 Frizzle (Ff) : 1 Straight (ff)
Straight (ff) X Straight (ff)	=	ALL Straight (ff)

A Mastery Skills Test exists for Frizzle fowl genetics.

The different genotypes can be identified at one to two weeks after hatching.

Some advantages of using Frizzle Bantams to study inheritance include:

- ✓ Bantams need less space and food than large fowls
- ✓ Short generation interval
- ✓ High reproductive rate
- ✓ Results determined soon after hatching
- ✓ Easily handled by students
- ✓ Frizzles cannot fly
- ✓ Most Agricultural and Poultry Club Shows provide Frizzle classes
- ✓ Ready market for either exhibition stock (\$50+) or as pets (\$10-\$20) depending on quality.

Colour photographs online at www.queanbeyanh.schools.det.nsw.edu.au





(Katelyn Burton – Winner of 4 Day Merino Handling Competition at Sydney Royal Easter Show)



(Taylah Leppard – Reserve Champion Black & Coloured Ewe at Canberra Royal Show)

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News » Local News » News » General » On the right TRAC

On the right TRAC

21 Jun, 2012 07:00 AM

A COMBINATION of leading genetics and enthusiasm was enough for the students from Wagga's The Riverina Anglican College (TRAC) to return home from the prestigious Holbrook Sheep and Wool Fair with the top honours in the schools section.

The students and their Poll Dorset stud sheep won the most successful exhibitor award plus several other major prizes.

The team from (TRAC) Poll Dorset Stud consisted of four rams and three ewes and won enough prizes to earn the students the top honours at the fair.

TRAC agriculture teacher, Brian Lawrence said it was good to do so well considering the strength of the other schools which were competing on the day.

He said it was the second year the students and their sheep had attended the event and it was pleasing to see the improvement.

The school has sought the bloodlines for their stud from nationally-renowned studs including Armdale and Armdale Park Poll Dorsets at Marrar.

The school's stud consists of about 20 Poll Dorset ewes.



Back: TRAC students (from left) Bonnie Moorfield, Yergan Henwood, Wilson King, and Campbell Fordyce. Front: Rachel Cary and Lachlan Lloyd. Picture: Oscar Colman

On the Right TRAC

21 Jun, 2012

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Back: TRAC students (from left) Bonnie Moorfield, Yergan Henwood, Wilson King, and Campbell Fordyce.

Front: Rachel Cary and Lachlan Lloyd

Tumut Times Tony Butler 1 page article here please

Tony butler page 3 1 page article here please

Animal Welfare News from Sally Bannerman

On 17 February 2012 the *Tumut and Adelong Times* featured a front page story about two days of filming that took place at Tumut High School and at Tony Butler's property *Vineyard*. The video footage from these days will be used in a resource for teachers of agriculture and Primary Industries as a part of the *Community of practice* project.

The aim of this project is to build a *community of practice* among teachers of agriculture, with particular focus on supporting early career teachers. A *community of practice* can be defined as a group of people who share a craft and/or a profession. The group can evolve naturally because of the members' common interest in a particular domain or area, or it can be created specifically with the goal of gaining knowledge related to their field. It is through the process of sharing information and experiences with the group that the members learn from each other, and have an opportunity to develop themselves personally and professionally. Communities of practice can exist online or in real life. The NSWAAAT is one example of a community of practice itself.

The first phase of this project was a two day workshop held in 2010. During this workshop, twenty early career teachers of agriculture, worked with three mentor teachers and the Schools Animal Welfare Officer, to improve their skills in managing their school farms to help ensure they were well equipped to model best practice to their own students.

The information and activities provided during the two days were so enthusiastically received that it was decided that they should be made available to a wider audience. Hence the idea of the virtual tour of well managed school farms was borne.

In March 2012, the first part of phase two was launched, a virtual tour of the Cranebrook High School farm, documenting the practices developed by the staff to enhance the welfare of the animals and the learning outcomes of the students. The tour focuses on those management aspects of the school that are often quite challenging, including security issues and limited resources and includes short video clips and photographs to help provide practical advice in an engaging way. The tour can be accessed at <http://lrrpublic.cli.det.nsw.edu.au/lrrSecure/Sites/Web/13805/>

A second virtual tour is now under development. This tour will take the user to Tumut High School farm, a complete different type of school farm to that of Cranebrook. As with the Cranebrook High School tour, the Tumut High tour looks at the work of the farm assistant and how the resources that are available can be managed to enhance the opportunities for the students.

The long term vision is that these tours will be just one tool in developing the *community of practice* among teachers of agriculture. It is hoped that regular communication between teachers and the Schools Animal Welfare Officer will be facilitated by the development of a Facebook page.

These virtual tours are available to all teachers through the front page of the Animals in schools website at www.schools.nsw.edu.au/animalsinschools

I would like to thank the staff of both Cranebrook High and Tumut High for their participation in the development of these resources.

Andrew Murray and Dani Saxon from Cranebrook High and Tony Butler from Tumut High were incredibly tireless and patient throughout the two days of filming at their respective schools. The quality and quantity of the footage collected during those days was a reflection of the outstanding management practices developed by these teachers resulting in high standards of animal care. It can be truly said that these teachers demonstrate best practice daily to all their students.

Much of the funding for this project has been made available from the Commonwealth Department of Agriculture, Forestry and Fisheries through the Australian Animal Welfare Strategy. The vision of the Australian Animal Welfare Strategy is that:

The welfare of all animals in Australia is promoted and protected by the development and adoption of sound animal welfare standards and practices.

Australia's approach to animal welfare, through adoption of the Strategy, is to ensure that due consideration is accorded to a multitude of factors (including science, practicability, culture, economics, ethics, societal values of the whole community, education and awareness, innovation and international developments). These considerations are relevant to the establishment and promotion of sound animal welfare standards.

Further information about the Australian Animal Welfare Strategy can be found at <http://www.daff.gov.au/animal-plant-health/welfare/aaws>

The next phase of the project involves the development of an Animals in schools Facebook page <http://www.facebook.com/animalsinschools>. The logic behind this is to provide all teachers, from both government and non-government schools, with a mechanism for connecting with each other to help solve problems and exchange ideas and resources. Many of you already communicate with each other via email or through your local networks and the Facebook page will not replace this. The Animals in schools Facebook page will hope to support all teachers, particularly those early career teachers who will be in early days of developing their own networks.

For more information about this project or about any issue relating to the use of animals in schools, contact Sally Bannerman, Schools Animal Welfare Officer by email sally.bannerman@det.nsw.edu.au or animalsinschools@det.nsw.edu.au or through <http://www.facebook.com/animalsinschools>



Charles Sturt University Enrichment Days – Read On for More...

When Will I, Will I Be Famous???



SOUTHERN WEEKLY
southernweekly.com.au

Tony Butler (Tumut High School) demonstrating to students the safe practices of livestock handling

Improving Animal Welfare

01 June, 2012

A new education program is improving the understanding and adoption of superior animal welfare practices by both students and teachers alike.

The community of practice program is providing training support to young agricultural teachers who are mentored by a select group of more experienced staff, with the knowledge then extended to students both in the classroom and the paddock, as well as via a multimedia educational package online.

Sally Bannerman, Schools Animal Welfare Officer at the NSW Department of Education and Communities' Curriculum and Learning Innovation Centre, said the program's objective was to achieve effective communication, education and training across the whole community to promote understanding of animal welfare.

"This project is delivering improved animal welfare by enhancing the skills of a group of agriculture teachers who can then go back into their school communities to apply this knowledge in their own teaching programs and to the management of their school farm," Ms Bannerman said.

The program is being delivered by the NSW Department of Education and Communities with the support of the Australian Animal Welfare Strategy (AAWS).

AAWS was jointly developed by the Australian Government, state and territory governments, industry and the community.

It aims to deliver sustainable improvements in the welfare of all animals by outlining directions for future improvements and providing national and international communities with an appreciation of animal welfare arrangements in Australia.

One third of NSW government schools have an agricultural plot, with the management of livestock and demonstrating best practice to school students an essential part of several NSW curriculum courses, including Years 9 and 10 Agricultural Technology, Years 11 and 12 Agriculture and VET Primary Industries.

The majority of schools that deliver these courses have a school farm that keep animals with poultry, sheep and cattle are the most common agricultural animals maintained by schools, with smaller numbers keeping pigs, alpacas and horses.

“The community of practice program enhances the skills of teacher graduates who have specialised in horticulture and crop production by providing additional hands-on training in livestock,” Ms Bannerman said.

As part of a suite of professional learning opportunities, the program brought together 20 early-career teachers with three experienced agricultural teachers who have particular knowledge of livestock for a two-day workshop at Yanco.

The workshop focused on animal handling and farm management practices to demonstrate exemplary animal welfare.

The young teachers then pass on this information to their students via course materials in the classroom and by showing them in hands-on activities on the school farms.

“The relationships developed in the two days of training have been the basis for further and continued communication between the teachers, helping each other develop best practice and maintain currency and inspiration in their work,” Ms Bannerman said.

“But from there we wanted to go a step further and add an online element as an on-going teaching tool.”

Through the AAWS, the Department has been preparing virtual farm tours, the first of which featuring Cranebrook State High School is already on the Animals in Schools website.

Filming for the second virtual tour, Tumut High, has been completed and is now being incorporated into the final resource.

Tumut High agriculture teacher Tony Butler said the combination of teacher mentoring and online resources was proving fruitful on various levels in the community.

“After showing and explaining to our students best practice in animal welfare, we are finding this information is then being carried home to parents and put into practice on the family farm,” Mr Butler said.

“And the junior agricultural teacher in our school now has access to some great online resources, which are backed up by regular group discussions as part of our local network of ag teachers here in the Riverina Highlands.

“As a group of teachers we are very conscious of animal welfare issues and that collegial atmosphere is a great place to throw around ideas of how to do things better in our schools.”

Ms Bannerman said that through the program and its materials, early-career teachers now had a model for running a school farm.

“The videos showcase teachers with high standards as examples of good practice,” she said.

“These teachers don’t just tell the students, they show them.”

Ms Bannerman said the program’s next goal in developing the resource would be the inclusion of a Facebook page that could facilitate the communication between practising teachers of agriculture and those students training to be teachers of agriculture.

Love Ya' Work Tony!!!

Rice is Back on the Menu



With increased water allocations in the Riverina, Griffith High School joined some other schools in studying **Rice** as it product for the HSC Ag Product Study.

The students visited a Rice farm (Gary & Marg Knagge) via Leeton, visited Coprice in relation to value adding, worked with Rice Growers Association & Sunrice and even got a photo opportunity with Olympic Star **Stephanie Rice**.

Margie & Gary Knagge – very innovative farmers

Paddy Rice



www.sunrice.com.au

What's Happening in My Paddock?



Through a relationship formed at the UNE Conference held in March, Sam Brentnall and Carl Chirgwin have formed a partnership professionally to assist with each other's teaching and resource utilisation.

So, for us Welshpeople (NSW) we have gone down the track of assisting the Canberra Agriculture Teachers Association with professional dialogue, resources, contacts and equipment to assist with enhancing our agricultural education.

In the next few pages, you will see how agriculture can be taught, even in a deservlent area – education outcomes can be achieved.

NAVIGATION

- Home
- Our College
- Our Students
- Our Curriculum
- Our Library
- Site Map
- clc

Lake Tuggeranong College | Cowlshaw Street, Tuggeranong ACT 2900 |
Phone: 6205 6222 | Fax: 6205 6202 | Email: info@ltc.act.edu.au

Lake Tuggeranong College (LTC) is situated 20 km south of Canberra city, the capital of Australia. It overlooks picturesque Lake Tuggeranong and has tree-lined suburbs to the east and the bustling Tuggeranong Town Centre to the west. Lake Tuggeranong College makes an immediate impression on visitors with stunning architecture, taking full advantage of the lakeside setting. Incorporated in a modern complex of tastefully finished buildings are facilities unrivalled in Australia.

OUR VISION: RESPECT, CONTRIBUTE, LEARN AND SUCCEED

Please see the "Principals Message" for information on Dr Bill Maiden's retirement and appointment of the new Principal for Lake Tuggeranong College

STEP1: Prospective year 11 students need to apply online - The Education and Training Directorate link for college applications is now available please click here (Note this is not an enrolment, see step 2. First round applications closed on Friday 15 June 2012, however this link will remain open for late applications, there is no guarantee of priority enrolment area acceptances)

QUICK LINKS

- A to Z Info
- Absence Form
- AG Notices
- Calendar
- Careers Notice
- Enrolments
- Timetables Planners
- Principal's Message
- Year 11 AST Info (16.8 KB)
- Year 12 AST Info (30.5 KB)

Upcoming Events

- 5th Jul 2012**
- 3.00pm Appeals Close
- 2nd Jul 2012**
- Work Experience
- 2nd Jul 2012**

At Lake Tuggeranong College

Students will need to select a combination of 5 Accredited (A), Vocational (V) or Tertiary courses (T), which should include English and Mathematics.

Agriculture @ Lake Tuggeranong College is conducted with both Accredited & Tertiary courses

Agriculture provides for students who have an interest in agriculture and who may wish to pursue further studies in the rural industry as well as those who want a career in this field but are not tertiary bound. Students maintain the agriculture plot and glasshouses at the college as part of this course.



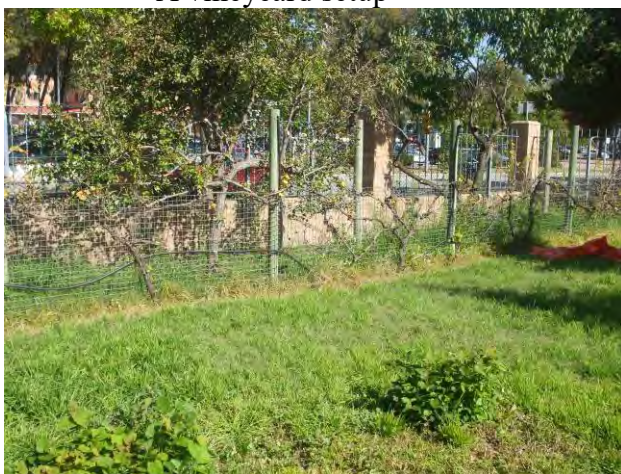
What Sam Brentnall was first given to work with.
Basically, it is an area in between two buildings no more than an average house block in size
Has two fantastic glasshouses with adequate storage and a few fruit trees



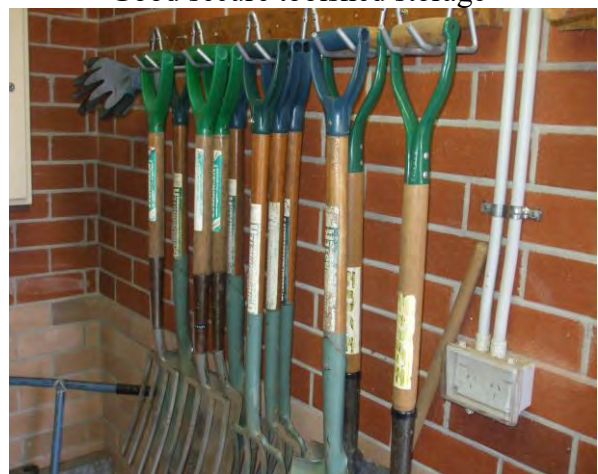
Sorry to cut
your head
of here
Sam –
thought
you were
Richard III

1st days of a Hydroponic Set-Up

A vineyard setup



Good secure toolshed storage



Science – Agriculture Animal Production A (Only want page 1&2 of this four page file though here please)



Check out
the
proximity
to the
suburbs

A Poultry raising area

SOS



Sam Brentnall

If you can assist Sam Brentnall in either resource sharing, professional dialogue as well as other Canberra based teachers becoming involved in their own regional networking and maximising NSW contacts – please contact

Sam Brentnall

Phone: +61 2 6205 8345 |

Fax: +61 2 6205 6202 |

Email:

samuel.brentnall@ed.act.edu.au

Lake Tuggeranong College |
Cowlshaw Street | PO Box 1188 |
Tuggeranong ACT 2901 |
www.ltc.act.edu.au



UNE 1st-4th March





I'm Telling Ewes



Forget UNE
- It's the Big V

Where's
Carl and
that \$200
Project???



ABC

Nothing
beats
Agriculture



See in
Agriculture -
you can float
like a butterfly
or sting like a
bee

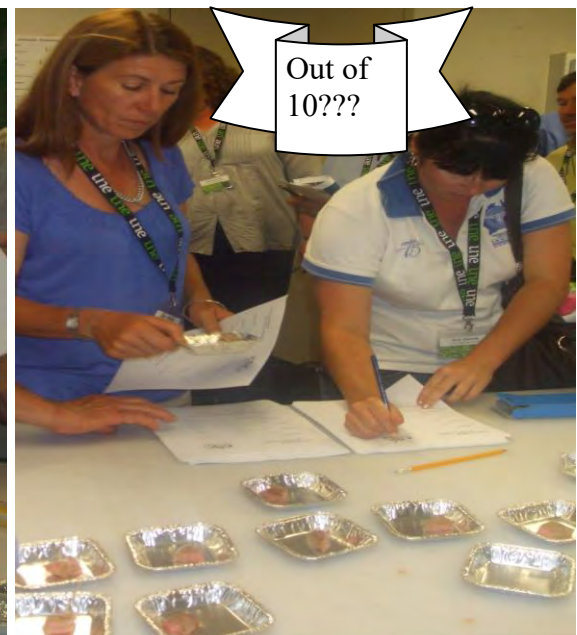
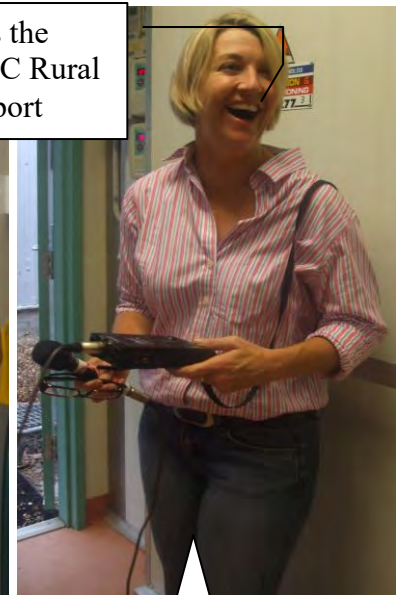
Boys - us
lovely
Welsh-ladies
are the real
look



Us
Sackers...

Good old
Vics...
Love the
Black
Doctor

Don't forget
the Banana
Benders -
7 straight...





Thankyou - UNE

A special thankyou to **Amy Cosby and Anna-Louise Cross** for the unbelievable organisation for 106 teachers from right across AUSTRALIA!

Words cannot say enough from the NSW AAT and NAAE Committees...

Love Ya' Work as You're a Credit to Yourselves!



In Schools

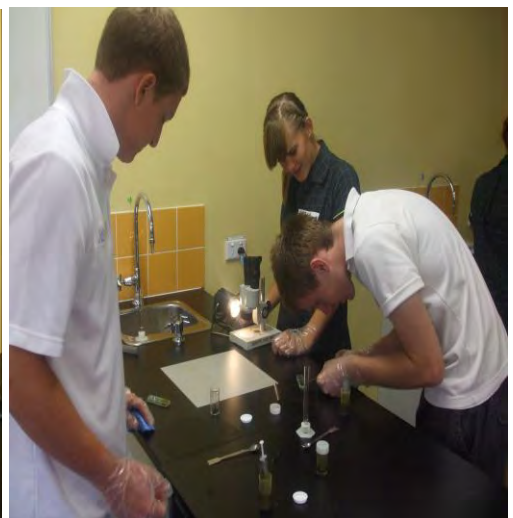
The University of New England under the coordination of Amy Cosby (below) visited a number of schools in 2012 and conducted Sheep Faecal Testing with students. Part of the trip was also showcasing UNE and all it has to offer.



Griffith High School targeted its senior Agriculture & Biology students to undertake the workshop.

Amy is looking for any school who may be interested in undertaking this 1.5hour workshop to contact her directly as below.

Amy Cosby School of Environmental and Rural Science University of New England Armidale NSW 2351 **Phone** 02 6773 2196 **Mobile** 0417 848 648 **Fax** 02 6773 3238 **acosby2@une.edu.au**
www.une.edu.au



www.une.edu.au

CSU Enrichment Days

THANKED

Alan McMillian is once again for all of his hardwork in coordinating Charles Sturt University, Wagga; PICSE, The Department of Primary Industries' and various Riverina schools with even Corryong High from Victoria with the 2012 CSU Agriculture Enrichment Days.



Australian National Field Days 1 page pdf file here please

PISCE 2 page newsletter here please

Total newsletter 4 pages here please

STW file here please – only want 1st, 2nd & 8th page please – if not all 8 pages



Meat & Livestock Australia has launched a unique educational tool for use in the classroom.

The **Virtual Farm Visit** features three very different beef and sheep properties – the Kimberley, central west NSW and Gippsland – showcasing the breadth and adaptability of these enterprises.

A suite of video clips, supported by fact sheets, show each farmer talking to the ‘visitor’ about various aspects of their business. The content is curriculum-aligned and grouped in subject areas for use in the classroom.

The tool has been developed in consultation with teachers and is accompanied by a set of teacher’s guides.

The [Virtual Farm Visit](http://www.mla.com.au/virtualfarm) is available on MLA’s website – www.mla.com.au/virtualfarm

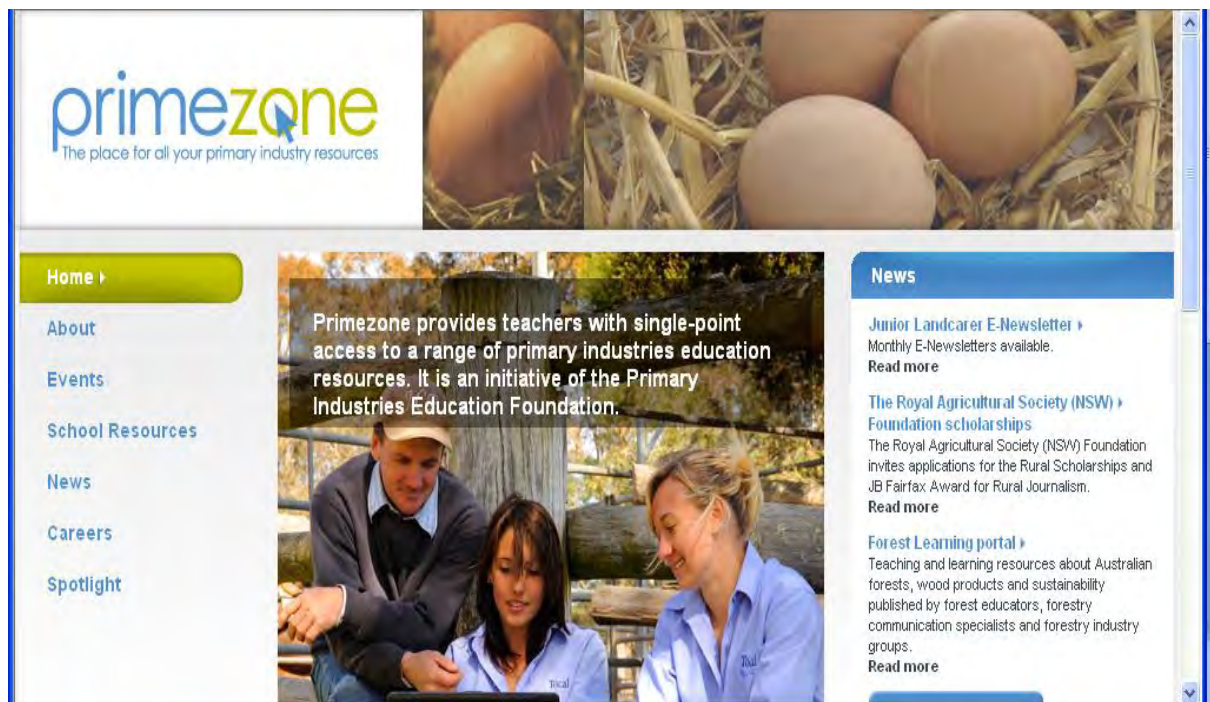
Getting agriculture into every classroom is a shared goal and **I encourage you to share this resource with your colleagues and to teachers at other schools** who might also find it useful.

Regards
Deborah

Deborah Leake
Manager Industry Integrity Communications
Meat & Livestock Australia
Level 1, 165 Walker Street
NORTH SYDNEY NSW 2060
Ph: 02 9463 9275
Email: dleake@mla.com.au

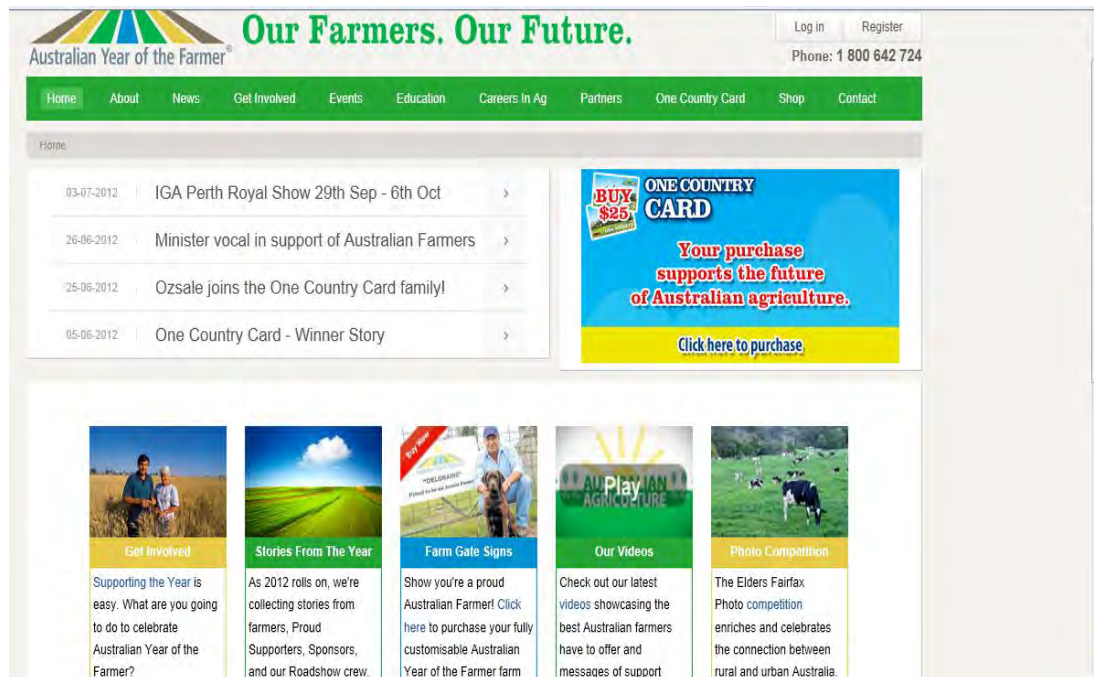
www.skillsone.com.au

PrimeZone



www.primzezone.edu.au

www.yearofthefarmer.com.au
www.yearofthefarmer.com.au



Our Farmers. Our Future.
Australian Year of the Farmer®

Log in Register
Phone: 1 800 642 724

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Home

- 03-07-2012 IGA Perth Royal Show 29th Sep - 6th Oct
- 26-06-2012 Minister vocal in support of Australian Farmers
- 25-06-2012 Ozsale joins the One Country Card family!
- 05-06-2012 One Country Card - Winner Story

BUY \$25 ONE COUNTRY CARD
Your purchase supports the future of Australian agriculture.
[Click here to purchase](#)

Get Involved
Supporting the Year is easy. What are you going to do to celebrate Australian Year of the Farmer?

Stories From The Year
As 2012 rolls on, we're collecting stories from farmers, Proud Supporters, Sponsors, and our Roadshow crew.

Farm Gate Signs
Show you're a proud Australian Farmer! Click here to purchase your fully customisable Australian Year of the Farmer farm

Our Videos
Check out our latest videos showcasing the best Australian farmers have to offer and messages of support

Photo Competition
The Elders Fairfax Photo competition enriches and celebrates the connection between rural and urban Australia.



Our Farmers. Our Future.
Australian Year of the Farmer®

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Home » Education » Our Philosophy

Our Philosophy

Just as our farmers grow our future and sustain our way of life, our children will play a major role assuring the future of this great country. In particular, one of the important roles they will play is helping meet the rapidly growing demand for farmed products globally.

It is important all Australians know the finest fabrics, fibres and foods are grown in our own backyard. This can continue, if children are given the knowledge and opportunity to meet the challenge.

Our philosophy is to provide everyone with access to materials to understand the vital role Australian farmers have in growing our future.

Farmers and consumers depend on each other. We hope to help young Australians understand the journey a product takes from being grown on a farm to being enjoyed or consumed. Too many times we hear students tell us "milk comes from the supermarket" – the Australian Year of the Farmer aims to change this perception.

To help take the Australian Year of the Farmer message to schools, AYOF will be aligning with education partners who will deliver a range of fun, informative and age-appropriate activities across the country.

Our farmers are among the best and most efficient in the world. This is one of the greatest stories never told. In 2012 we will tell this story for all Australians to appreciate and enjoy.

SHOPPING CART
No items in the cart.

OUR MESSAGE

[View the Greatest Story Never Told](#)

ONE COUNTRY CARD

[Click here to purchase](#)

Road Trains @ Helen Springs Station, North of Tennant Creek, Australia

- There are 17 trucks with 3 trailers and 2 decks per trailer;
- Therefore, there are 102 decks of cattle and there would be approximately
- 28 cattle per deck = 2,856 head of cattle
- The cattle will weigh approximately 500kg each
- The sale price for cattle at Longreach is approx. 165c/kg
- Each animal will therefore be sold at \$825.
- Total revenue from this analysis is \$2,356,200
- Each trailer has 24 tyres plus a dolly with 8 tyres
- The truck plus lead trailer have 12 tyres plus a dolly with 8 tyres and 10 tyres on the truck
- For the 72 truck/trailer combos there are 6,192 tyres on the road



Only in Australia



Now That's a Roadtrain...

Aggies are Always Thinking...

2012 NAAE Adelaide Conference State Delegates



2014 NAAE Conference New Zealand