

NSW Association of Agriculture Teachers



SPRING 2018



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PRESIDENTS MESSAGE

Hello members,

each year seems to get busier and more intense - I hope everyone is coping with the

increasing demands of our workplaces.

The Professional Teacher Council, is running a number of targeted workshops for members of TAS associations, focusing on the new Technology Mandatory syllabus - this is a new initiative which will be of great benefit for all members this year.

Ag vision - NSWAAT was represented by myself and Tony Butler at Juneec HS - very rewarding day and over 70 students engaged in learning about AG teaching. It was heartening to see how many students were keen to understand about our profession and who were serious about a teaching career. Our future looks so much brighter when you get this type of interest from high school students. Many thanks to Juneec High School for putting on an amazing careers event.

Our association has a new vertical banner which we used at the AGvision presentation. Please find an image from Agvision here.

Lastly, our conference is drawing nearer - a HUGE thanks to Georgie and the whole organising committee for the massive effort in bringing everything together. See in this edition for information about the conference and how to register. Also a huge thanks to the sponsors who will be supporting our conference - we are very grateful for the support industry organisations provide our association.

Luciano



"FLAT OUT FARMING"

NSWAAT Central West Conference 2019



Dates: 4th to 8th January 2019

Location: Forbes NSW

Accommodation: Plainsman Motel, 22 Sheriff St, Forbes NSW 2871.

Cost:

Members

\$300 without accommodation
\$620 with accommodation

Non Members

\$360 without accommodation
\$680 with accommodation

Final Cut Off Date: Friday 9th November 2018

For this price you will receive 4 nights' accommodation at The Plainsman Motel, (if you choose the accommodation price) some meals, tours by bus of the Central West and what it has to offer, conference shirt, displays, presentations by sponsors, delegate gift bag, engaging and informative workshops, entertaining speeches, and a formal dinner at "Eat your Greens" at Eugowra.

We are currently seeking accredited hours of QTC Registered Professional Development.

As you are aware the Central West is currently experiencing a drought. Despite this our committee has been working hard to showcase our area to you and to help further your knowledge to improve your teaching and learning in the classroom.

We hope that you can join us in your January school holidays to see what the Central West has to offer as well as catch up and share valuable knowledge with other NSW Agricultural Teachers.

We look forward to seeing you all. Flat Out Farming.

Further Information: Hotel Overview

- All rooms are air-conditioned
- All rooms are on the ground floor
- Pool & BBQ facilities
- Breakfast Restaurant open 7 days
- Free WiFi & Foxtel Sports
- Conference facilities
- Free guest laundry
- Directly opposite the Forbes Services Club (RSL) with full Bistro/Café/Bar

This accommodation is shared. When filling out your Registration forms please select a person you wish to share

with. If no selection we will match a person of the same sex to share with you.

Please note there is no change to the conference price if you choose to come on selected days.

A bus will be taking you to and from the Plainsman to each location. If you source your own accommodation please meet at the Plainsman to catch the bus.

If you do not wish to share accommodation or are bringing your family for a holiday to Forbes. Please make your own accommodation arrangements at your own cost.

Please click on the links to our Forbes Shire Council Website for more information.

"Where to stay in Forbes" - <http://www.forbes.nsw.gov.au/f.ashx/TCCD/Where-to-Stay.pdf>

"Where to eat in Forbes" - <http://www.forbes.nsw.gov.au/f.ashx/TCCD/Where-to-eat-2.pdf>

Town map - http://www.forbes.nsw.gov.au/f.ashx/TCCD/Forbes-Town-Map-2017_PRINT.pdf

If you wish to bring a guest to the formal dinner please add \$60 to your fee. (Adult only event.)

Further Information: Contact Georgie Price

Email: georgina.bolam1@det.nsw.edu.au

Mobile: 0408 865 199

Proposed Conference Schedule

Friday 4th January 2019

Time	Place/Activity
3 pm Onward	Arrive at the Plainsman motel
5pm	Welcome. Dinner locally at one of our venues.

Saturday 5th January 2019

Time	Place/Activity
8am	Leave Plainsman
8:30	Watermelon farm – tour and talk
9:30-10:30	Pengillys shearing shed. AWI talk, Jemalong Wool, Biowaste
11:00 –12:30	Gundamain feedlot – tour and talk
12:45 – 1:45	Lunch - Gooloogong pub
2:00 – 2:40	Eureka Roses – tour and talk
3:10 – 5:15	Moxeys Dairy – tour and talk
7pm	Tea - Forbes RSL

Sunday 6th January 2019

Time	Place/Activity
8am	Tour of Matt and John Duff Summer cropping operations
10am	Lake Cowal for tour of mining operations and conservation centre. Visit to local Indigenous site.
3pm	Jemalong Irrigation scheme - irrigation in the 21st century
5pm	Tea - Posty

Monday 7th January 2019

Time	Place/Activity
7:30-8:45am	Saleyards - Central West Livestock Exchange and Forbes High School Farm
9:00 - 9:50	Auswest seeds - trial information and tour
10-10:45	Morning tea at Super Bee Café (McFeeters Motor Museum) BYO\$
11 -11:45	Group A Super Bee Honey Factory Group B Rat Breeding Facility
11:45-12:15	Lunch @ Forbes Golf Club
12:30	At RBCC Rotations 30 mins each Delegates to choose ONE activity per rotation.
12:30-1:00	Group A - Kubota Group B - Gallagher
1:00-1:30	Wool judging workshop/ Trimble GPS demo / Stage 5 Ag New Syllabus
1:30-2:00	Low stress stock handling demo / Drones & Sensor probes / Judging workshop Vegetables
2:00-2:30	Animal Nutrition/ Judging workshop sheep/ Animals in Schools & Biosecurity
2:30-3:00	Afternoon tea and time to look at displays in the quad - Landcare, Local Land Services, DPI
3:00-3:30	Group A - Gallagher Group B - Kubota
3:30-4:00	Wool judging workshop/ Trimble GPS demo / Stage 5 Ag New Syllabus
4:00-4:30	Low stress stock handling demo / Drones & Sensor probes / Judging workshop Vegetables
4:30-5:00	Animal Nutrition/ Judging workshop sheep / Animals in Schools & Biosecurity
	Leave RBCC to get ready for Conference dinner.
6:30	Leave RBCC to get ready for Conference dinner.
7pm till late	Leave Forbes - Plainsman Motel Conference Dinner – Eat your greens Eugowra Dress – Semi Formal Speakers – TBA

Tuesday 8th January 2019

Time	Place/Activity
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8:30am - NSWAAAT AGM @ Plainsman Motel Conference Room

Farewells and Departures.

Please note some activities may be subject to change at the discretion the committee due to current circumstances in the Central West

AGDAY CREERS COMPETITION

NATIONAL AGDAY CAREERS COMPETITION OFFERS IPAD MINI FOR WINNING ENTRIES

In conjunction with [The Archibull Prize](#), Art4Agriculture is launching our second careers competition to coincide with National Agriculture Day on November 21. This year Art4Agriculture is pleased to partner with [Career Harvest](#) and Aimee Snowden's [Little Brick Pastoral](#) to encourage students in Years 5-12 to envisage their own career in STEM based agriculture.

Aimee Snowden has created ten STEM agricultural photographs showcasing LEGO® minifigures to represent science, technology, engineering and mathematics careers. The careers are an agribusiness banker, an agriculture teacher, an agronomist, a biosecurity officer, an engineer, a geneticist, a GIS specialist, a mechanic, a scientist and a stock and station agent.



Students may choose one of Aimee's characters on which to base their entry or alternatively may build and photograph their own LEGO® character. They are then asked to identify their interests and the subjects they excel at, research pathways they might take to achieve their agricultural dream and to write a day-in-the-life story on their chosen career.

Entries will take the form of an infographic and prizes will be available for each section of the competition.

FIND OUT EVERYTHING YOU NEED TO KNOW [HERE](#)



COTTON
AUSTRALIA
Advancing Australian Cotton

CALLING SCHOOL LEAVERS AND TREE CHANGERS!

Looking for an experience of a lifetime?

Looking to gain new skills in an exciting and innovative industry?

Enjoy a fulfilling job, training, industry support and make some cash along the way...

CONSIDER

COTTON GAP

"I would definitely recommend a cotton gap year. It has influenced my decision to pave a career in agriculture, particularly in the cotton industry. This year means I will be able to apply my studies at uni to a practical scenario or example. Just give it a go, you might have some fun along the way"

Matt Clearwater 2016 Gappy



The "Cotton Gap" program is a unique opportunity for school leavers to experience firsthand life in one of agriculture's most innovative and forward thinking industries. Whether you are interested in a career in agriculture and want genuine hands on experience, or are simply looking to do something different, consider your gap year on a Cotton Farm.

Cotton Australia is looking to facilitate the connection between school leavers and cotton farmers and want to hear from students who would be interested in a gap year on a farm. IF you have a license, a sense of adventure and "have a go attitude", get in contact. Employees will be supported to ensure they have initial and ongoing training on a progressive cotton operation. You would be connected to relevant government subsidies for employment and training.

For more information or to express interest, Contact Program Co-Ordinator
Bec Fing on 0427107234 or via email cottongap@cotton.org.au



2019 Food, Fibre and Agricultural Educators Conference

Brisbane

13th – 17th January 2019

AGRIMINDERS

Chris Russell explores the critical issues affecting the next 50 years in Australian agriculture. In each episode Agricultural Scientist Chris speaks with the key intellects, custodians or 'Agriminds' tasked with securing the future of our food and fibre production in Australia and discusses how Australian agricultural issues can also have a larger worldwide impact.



STUDENTS GATEWAY

AgTech & STEM event held in Orange

On September 12, 2018, DPI hosted 120 regional students at the Orange Agricultural Research Institute for the Student GATEway - AgTech & STEM event. A range of interactive workshops were provided by DPI scientists, Sparklab Cultiv8, OneCrop, the University of NSW (UNSW) and CBA including:

- SparkLabs: what Blockchain means for agriculture.
- DPI: The Farm Decision Technologies project is developing the platform to enable the integration of sensing technologies climate stations, soil moisture probes, pasture monitoring cameras and livestock RFID walk-over-weighing, as part of the farm network to proof of concept stage.
- UNSW: showcased LiDAR, 3D construction modelling and VR for construction training. Students were able to try out a VR headset to control construction vehicles in a simulation.
- UNSW: students built a solar race car where they learnt about the science of solar energy, the technology utilised in the design and construction of the models, the engineering required to create a working vehicle and the underpinning maths.
- OneCrop: manufactures pre-emergent biodegradable film that promotes growth in young plants when applied to broadacre agriculture. The film comprises super low-density polymers, non-genetically modified starch and oxo-degradable compounds and is rolled onto paddocks at seeding time with a specialised machine.
- CBA: using a design thinking process students competed in a challenge to design a game that models the impacts of real-world factors in primary industries, such as changing weather patterns, natural disasters, pests and diseases, as well as innovations like new grain varieties.

To see the some of the action from the Student GATEway view [WIN](#) and [PRIME](#) coverage.

For more information contact the DPI School team - Michelle Fifield, Meg Dunford and Jo Hathway Email: schools.program@dpi.nsw.gov.au

SCIENCE & INNOVATION AWARDS

Grant applications are now open for the 2019 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.

The Hon. David Littleproud MP, Minister for Agriculture and Water Resources, [launched the 2019 Awards](#).

The Science Awards encourage young scientists, researchers, innovators and others active in the agriculture sector who have an original project that will contribute to the ongoing success and sustainability of Australia's agricultural, fisheries and forestry industries. The Science Awards have already helped more than 230 young Australians make their ideas a reality and showcase their talent to the world.

There are thirteen industry Science Award categories open for applications: cotton, dairy, eggs and poultry (layers), established, new and emerging rural industries, fisheries and aquaculture, forest and wood products, grains, health and biosecurity, meat and livestock, pork, red meat processing, viticulture and oenology, and wool. Each category includes a \$22,000 grant, and is generously supported by the research and development corporations and industry organisations as our Science Award partners.

Winners of the industry category Science Awards are then invited to apply for the Minister for Agriculture and Water Resources' Award, which provides additional funding for an extended research project.

Applications close 5pm AEDT Friday 12 October 2018.

Need advice? Contact the [Science Awards](#) team at Science Awards or phone 02 6272 2260.

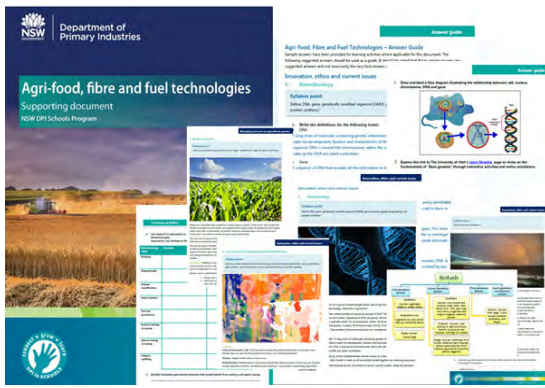
NSWDPI SCHOOLS PROGRAM CONTRIBUTION

Teaching Resources

1) New HSC Agriculture resource for Stage 6 Agri-food, fibre and fuel elective

Just in time for revision for the 2018 HSC and programming for 2019 the NSW DPI Schools program team are excited to release the [Agri-food, fibre and fuel technologies](#) elective resource. This resource includes two documents - a supporting document workbook and an answer guide.

The workbook addresses each syllabus dot point separately with thorough investigation and explanation of the



concept to HSC Band 6 detail to assist students develop a deep understanding of the content. In order to challenge students and encourage them to apply their understanding of each dot point, learning activities are included in every section and reflect the style of past HSC questions and activities. To support both students and teachers, a separate answer guide for the learning activities is provided.

The resources have full accessibility and are designed to be used as digital resources for full access to the embedded links for videos, articles and further learning activities.

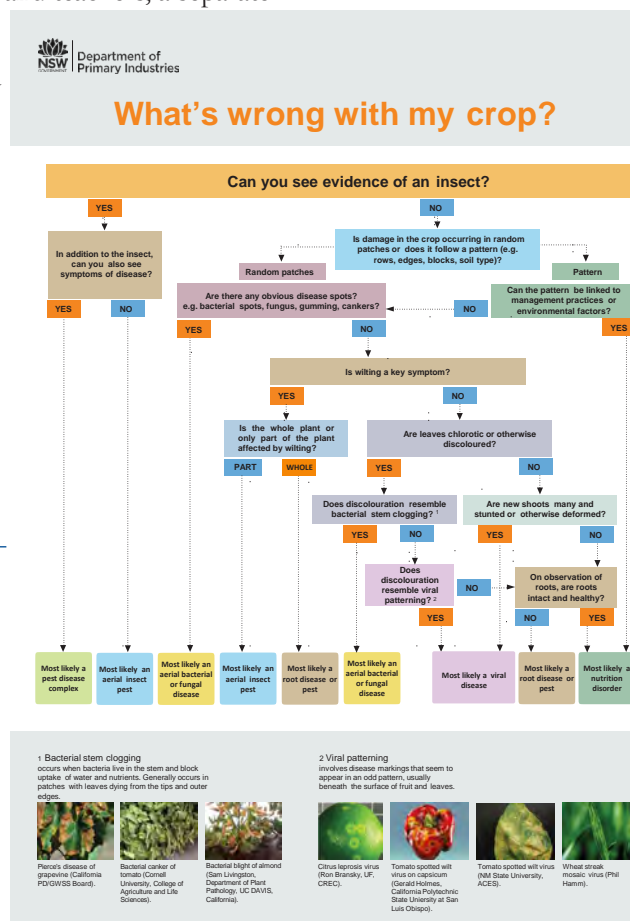
The NSW DPI Schools Program proudly supports Agriculture teachers in NSW with a range of resources to support the teaching of Stage 6 electives including:

- [Agri-food, fibre and fuel documents](#)
- [Farming for the 21st century document](#)
- [Climate Challenge- online NESA accredited Teacher Professional Development course](#)

What's wrong with my crop? flowchart

A lot of common crop problems are usually caused by one of three things affecting the plants:

1. an insect pest, 2. a disease, or 3. a nutritional disorder. The [What's wrong with my crop?](#) flowchart describes some common problems you may see



in a crop that fall under these three categories.

HSC study aids

A one stop shop of revision resources - the [DPI Study aids and resources site](#) - includes Kahoot multiple choice quizzes and links to the syllabus, past examinations, essay writing skills, referencing guides and careers information.

Climatedogs

The [Climatedogs](#) series uses animations of sheep dogs to explain complex atmospheric phenomena and was developed in collaboration with the Australian Bureau of Meteorology and Victorian Department of Primary Industries.

2. Drought resources

DroughtHub

The [DroughtHub](#) website contains information for primary producers preparing for and managing drought conditions and includes sections on drought relief, animal welfare, finance, management information, wellbeing, skills and training, research and development, case studies and the latest NSW drought maps.

Managing and preparing for drought guide 2018

The [Managing and preparing for drought guide](#) has been a widely used and popular reference for primary producers since it was first published more than 10 years ago. DPI has released an updated edition of the drought guide which includes information that primary producers can consider as they deal with drought, as well as practical tips on feeding livestock,

farm management, sustainable practices and personal and financial wellbeing.



NSWDPI Farm Tracker app

[Farm Tracker](#) is an important part of the Enhanced Drought Information System, an ongoing program of work to improve drought monitoring in NSW. It can be used to record seasonal conditions such as:

Complete a simple crop, pasture or animal survey

Keep and manage a photo diary of your farm

Monitor the same paddock over many years

Aside from your own use, reports collected by Farm Tracker provide a highly valuable source of ground truth information for DPI's Drought Mapping Services. Each month, reports will be used to verify the maps for the official State Seasonal Update.

NEW BIOSECURITY HELPLINE NOW LIVE

NSW Department of Primary Industries has launched a new helpline designed to make it easier for anyone seeking information about a biosecurity matter in NSW or wanting to report a biosecurity risk.

Operating between 9am and 5pm on NSW business days, the helpline offers five options for important information and support on:

1. Licence, permit, registration or accreditation
2. Bees, bee hives or bee products
3. Farm chemicals
4. Animals, fish and shellfish
5. Plants, weeds and fruit and vegetables

Based on the successful Food Authority helpline model, the Biosecurity helpline aims to make it easier and faster for customers to enquire about biosecurity matters and report risks.

NSW DPI
Biosecurity Helpline
1800 680 244

RAW MILK PRODUCTS

Food Amendment Regulation 2018

On 20 July, a new regulation was introduced requiring all raw milk activities to be licensed with the NSW Food Authority and creating an offence to supply raw milk products without one. Previously, only milk producers who supplied milk for human consumption were required to be licensed.

The change also creates an offence for any person to sell or supply raw milk products unless it has been treated,

packaged, labelled and presented in a manner that deters human consumption and could not be reasonably mistaken for food. This offence can be applied to retailers. A 2009 Food Standards Australia and New Zealand review of the risks associated with raw cow's milk as food concluded that it presented an unacceptable public health and safety risk. Raw milk provides an ideal environment for a range of pathogenic organisms and people who consume it are at an increased risk of infection - capable of causing severe illness and potentially death.

In November 2015, the Australia and New Zealand Ministerial Forum on Food Regulation noted that Australian jurisdictions had agreed to prevent the supply of raw cow's milk for human consumption through the supply chain.

While all jurisdictions currently prohibit the sale of raw milk as food, raw milk and raw milk products have been found to be sold under the guise of 'bath milk' or 'bath wash' and are packaged and labelled in-line with milk which is lawfully sold for human consumption and displayed in refrigerators alongside pasteurised products. This can lead to consumer confusion and purchase of the product believing that it is a food that can be safely consumed.

The regulatory amendments allow officers to take Preventative action on the sale and supply of raw milk as a food.

While the amendment will not inhibit the supply of Legitimate raw milk products, licence conditions will be used to prevent inappropriate labelling, packaging and display of raw milk which may lead consumers to believe it is a food and will also impose requirements to render the product unpalatable.

A three-month implementation period to allow for broader industry communication of the new licensing requirements is in place.

From 20 October 2018, all persons involved in the production, manufacture and transport of raw milk products must hold a Food Authority licence.



SCHOOLS EGG LAYING COMPETITION

August 18th was an egg-citing day in Brisbane with the final judging of the Schools Egg Laying Competition at Ekka. This year saw 13 schools competing, with the ultimate honour of overall Schools Egg Laying Competition winners going to Kilcoy State High School (pictured). NSW schools are encouraged to enter the Sydney Royal Easter Competition, with entries now open for the 2019 competition.

For more info visit: <https://www.rasnsw.com.au/sydney-royal-competitions/competitions/poultry--pigeon/poultry-school-competitions/school-egg-laying-competition-supported-by-sba-special-breeders-australia-and-australian-eggs/>



2019 QLD CONFERENCE

AgForce Queensland invites you to participate in the Food, Fibre & Agriculture Educators Conference.

This professional development conference is designed to give educators the currency needed to teach Food, Fibre and Agricultural education in schools, whilst ensuring they have the latest information and resources to promote food and fibre production as a career to their students.

2019 FOOD, FIBRE AND AGRICULTURAL EDUCATORS CONFERENCE

REGISTRATIONS OPENING SOON

Join us at the Hilton Brisbane, 13-17 January 2019 for an action packed 4 days!

Highlights include: speakers Hannah Wandel - *Country to Canberra*, Cathy Palmer - *Know How Dairy*, Airlie Trescowthick - *Farm Table*, Ian McConnell - *WWF*, a gala dinner and two days of action packed industry tours. Conference fee will be \$550/pp or take advantage of early bird pricing for \$499/pp. Book your accommodation now, contact us for the Hilton special rate!



AGVISION

Agvision agricultural careers day was held at Juneec High School on the 7th September with over 500 students from all over the state, learning about 60 + agricultural careers.



NSWAAT was represented by Luciano and Tony Butler who presented an overview of Agriculture teaching as a career. Students also engaged in brainstorming ideas on what an Ag teacher does and provided us with an insight into what would inspire them to become an agriculture teacher. We gained an immense insight into the passion of a number of students who see themselves following in the foot steps of their own AG teachers. The day was very rewarding and we thank the organizers at Juneec high school for a fantastic day to showcase so many wonderful careers in agriculture for our students.



CHRISTMAS APPEAL

For students experiencing drought

NSW Department of Primary Industries is partnering with GIVIT, a national not-for-profit organisation, to manage offers of assistance to support communities, families and people facing hardship due to the drought.

Thousands of Christmas gifts are needed to give to our rural children living through the drought. GIVIT will be running Australia's Biggest Secret Santa to make sure every country kid has an extra gift to open on Christmas morning.

Schools can participate in the appeal in two ways:

1. Request donations: to access donations for your students:

- Register with [GIVIT](#)
- Tell us the amount of Christmas gifts needed
- [GIVIT](#) will aim to connect you with a school wanting to help
- The school will either provide gifts through a collection (and [GIVIT](#) will assist with transport) or

- by donating funds to purchase gifts locally
- If your school would like to remain completely anonymous that's more than okay! Simply tell [GIVIT](#) the number of gifts needed and they will work to privately source them for you.

2. Make a donation: your school can help by raising funds or by donating gifts

- 100% of all funds raised will be used to purchase gifts for country kids in their local community. This will ensure businesses impacted by the drought are also supported.
- All gifts received are transported directly to rural schools who then privately pass them on to our country kids experiencing drought.
- For safety reasons, all donated gifts must be new and unwrapped.
- We can provide you with posters, social media posts and articles to feature in your school newsletters.

Contact: Kayla Bauer at [GIVIT](#), Email: kayla@givit.org.au
Mobile: 0414 236 202

SYDNEY ROYAL EASTER Show 2019

Competitions Open to Youth

With so many competitions open to all age groups across a huge range of industries, there is an opportunity for all young people to be a competitor at the Sydney Royal Easter Show.

Check out all the categories at <http://www.rasnsw.com.au/globalassets/document-library/rasnsw/competitions/school-competitions/2019-sydney-royal-easter-show-school-and-youth-competitions.pdf>



GROW YOUR AGRICULTURE SKILLS

Register today to take part in hands-on NESA accredited Teacher Professional Development courses, expertly aligned with the NSW school curriculum and readily transferrable to students. The RAS *Agriculture & Food in the Classroom* workshops (Primary School Teachers) and *Transforming Milk into Camembert* workshops (Secondary School Teachers) provide you with the content and strategies needed to take students from paddock to plate and the steps in between.

Visit rasnsw.com.au/teacherpd or to register your interest email education@rasnsw.com.au



Royal Agricultural Society of NSW



RAS CLASSROOM Ag

Agriculture and Food in the Classroom for Stage 2 and 3 Educators (AFiC) is a 5.5 hour workshop that provides teachers with content and strategies to facilitate students' knowledge and understanding about production of a farm product, how these products change through processing and how they are marketed and distributed to the consumer.

This course focuses on facilitating student understanding of how a product travels from farm to table. Focusing on on-farm production, how these products change through processing and how they are both marketed and distributed to the consumer.

Teachers will;

- Gain a better understanding of agriculture and how it relates to the new Science & Technology NSW Syllabus
- Build on their knowledge of STEM and Project Based methodologies
- Develop a STEM Project with an agricultural paddock to plate theme
- Examine assessment strategies and the evaluation process of Projects
- Access to up-to-date agricultural resources and contacts

Agriculture and Food in the Classroom for Stage 2 and 3

Educator's workshop will contribute 5 hours and 30 minutes of QTC Registered PD addressing 2.1.2, 2.2.2, 3.2.2, 3.4.2 and 6.2.2 from the Australian Professional Standards for Teachers towards maintain Proficient Teacher Accreditation in NSW.

When 26 September 2018

Where Sydney Showground or at your school

Price \$300 per person

<http://www.rasnw.com.au/events/agriculture-and-food-in-the-classroom/>

TASTING THE HONEY

As part of Year 10 Agriculture, Bowraville Central students have to choose an agricultural enterprise and research it. This year, three students identified that they would be interested in learning about bees.

Earlier this month three students, Zeth Grace, Ethan Davidson and Matthew Williamson-Roe as well as Agriculture teacher Ms Wilson and Farm Assistant, Sharon Aitkens, all attended Little Star Bee Sanctuary for 'The Introduction to Beekeeping Course'.

After an in-depth discussion regarding the advantages and disadvantages of GPS and a few stops to ask directions after a GPS failure, we arrived at Little Star Bee Sanctuary,

nested into the hillside of the Valley.

We were met by our instructor Steve and his wife Trudy. We introduced ourselves to the other participants and settled in for the day, to begin our learning journey.

We listened attentively as Steve introduced us to his philosophy on natural beekeeping and outlined what we would be learning throughout the day. We learnt about the different life cycles of the bees and were shown how a Langstroth Beehive works and is assembled.

Steve discussed the health of bees in Australia and how pests and disease are one of the biggest threats to the beekeeping industry.

After our morning introduction it was time to put on our beekeeping suits and take the scenic walk up the hill to the apiary. We arrived at the apiary to witness the spectacular sight of a bee swarm.

This is natural part of the life cycle of bees that can occur for many different reasons.

The sight and sound of over 50,000 bees swarming was certainly a memorable moment. The swarm subsided and they all re-entered the box.



Now it was our turn to be shown how to use the smoker and a Jtool to enter the beehive. We all had a turn at opening a box, stacking it correctly and taking out a frame. Steve then identified the brood, the capped honey, the pollen, the larvae and the uncapped honey.

Some participants started the hands on activities with a little trepidation. However, this was quickly replaced with excitement and enthusiasm to remove frames and be around the bees.

We were lucky enough to see a queen bee and witness the birth of a baby worker bee who began working less than 30 seconds after it emerged from the cell. Once we had collected enough frames to harvest some honey, we headed back down the hill to the learning space where we were shown how to extract the honey using low cost equipment, as well as the more advanced equipment available on the market.

We then enjoyed a delicious meal prepared by Trudy and poured ourselves a jar of honey from the frames we had collected and harvested ourselves.

I recommend this course to anybody who is interested in bees and beekeeping or anyone looking to take up an exciting hobby.

Steve's passion, enthusiasm and knowledge, shone through all day and it was such a pleasure to be a part of the course.

The students thoroughly enjoyed the day and they are all keen to explore beekeeping in the future, Ms Wilson and Ms Aitkins are also pretty excited to explore beekeeping and possibly having our own hives onsite at the farm.

We see this as the start of an educational relationship between Bowraville Central School and Little Star Bee Sanctuary.

Originally published - <https://www.nambuccaguardian.com.au/story/5667784/theres-quite-a-buzz-around-bowraville-central/#slide=3>

FUTUREGEN EDUCATION PD

Course title: Help! How do I teach Technology Mandatory in Years 7-8 using Project Based Learning and a 'Paddock to Plate' and 'Food Solutions' focus?

Course details: A one day event designed especially for those who are new to project based learning using a paddock to plate and food solutions focus. Teachers will develop knowledge and understandings about PBL, and they will use and take away easy practical curriculum examples to use in the classroom aligned to the new NSW Syllabus for the Australian Curriculum, Technology Mandatory.

Included in the Teys and JBS course is a site visit to the Meat Processing and Food Solutions facilities within GMP and hosted by GMP.

Venue: JBS Australia, Cnr Regulator & McKellar Rd. Yanco NSW 2703

Date and Time: Thursday 18th October, 2018 9am - 4pm

Registration closes: October 11th 2018

Cost: \$325



NSWAAT EXECUTIVE CONTACTS

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