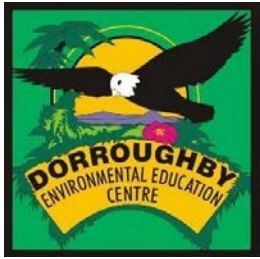


Dorroughby Environmental Education Centre



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DORROUGHBY EEC TERM 1 2020

Please distribute this newsletter to all teachers interested in Sustainability Education/Outdoor Classrooms.



GENERAL NEWS

Jingelah Bloggerman! Hello Colleagues and Happy New Year!

DEEC has had a busy start to the year with Tamlin, Cindy and one of our amazing casuals, Emily, attending the Annual Environmental and Zoo Education Centre (EZEC) Conference in Wollongong. We run workshops in teacher observation and gained quality professional learning in the areas of Aboriginal and Sustainability Education; Science and Technology; and Geography K-12 to enhance our curriculum based repertoire.



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ATTENTION SENIOR SCIENCE TEACHERS

This term DEEC are hosting a Professional development day focused on Teaching Aboriginal content in Stage 6 science. A one day Teacher Professional Learning Program run at DEEC. This training day will introduce some of the amazing scientific innovations and world firsts created by Aboriginal cultures over the last 68 000 years and demonstrate how that knowledge represents an approach to science that is very different to our own.



The course will address:

- the LAC priorities, specifically engaging with the Stage 6 Biology, Chemistry, Investigating Science and Earth and Environmental Science Syllabuses
- explore key themes and understandings from the various curricula such as the treatment of toxic compounds
- megafauna and climate change and Aboriginal land management systems

There will be an opportunity to engage in developing practical, achievable ways of incorporating Aboriginal science into the Stage 6 Science classroom. Participants will also receive a structured, detailed document that provides background information, lesson suggestions and discussion questions, including links to appropriate references, for all syllabus points with an Indigenous focussed LAC priority across the various stage 6 Science curricula. The course is run by Dave Harrington botanist, ethnographer, educator and ecologist consultant and the DoE Aboriginal Education and Wellbeing team. Flyer at end of newsletter.

[MyPL - Search for 'Exploring Aboriginal and Torres Strait Islander Knowledge in Stage 6 Science' Course code RG06324](#)

ATTENTION Stage 5 AGRICULTURE TEACHERS

Brunswick Valley Landcare Group have been successful in securing a grant from local InGrained Foundation named ***Growing Seeds of Hope: Connecting Schools to Regenerative Agriculture***. Their aim for this funding is for Brunswick Valley Landcare (BVL) under Farming into the Future, in partnership with the Dorroughby Environmental Education Centre (DEEC) to create and run field days **for Year 10** students on regenerative agriculture with supporting educational materials for secondary school students and their teachers. Having both a social and environmental focus it creates connection by bringing students and their teachers together in a hands-on day of activities, learning and demonstrations from experienced practitioners and professionals. They aim also to:

- create and value connections between school students, teachers, farmers and indigenous land manager to "spark" change and encourage students to think about how their food is produced
- promote agriculture practices to combat climate change, make a profit, and produce healthy sustainable products



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- provide student learning & support materials for continued benefit through a repeatable annual program
- create connection via informal teacher professional learning and networking
- encourage schools to begin junior Landcare groups by providing financial support and incentives.

The first of these Regenerative Agriculture Field Days will be run in Byron Bay on Tuesday 4th August 2020. Could you please contact DEEC if you think this may be something your year 10 Agriculture students would be interested in attending.

ATTENTION TEACHERS OF CREATIVE YR 5s

Bookings are open for 2020 Arts Camp

Our Gifted and Talented visual and performing Environmental Arts camp is on again June 16th - 18th 2020. This year we will build skills in film making with a documentary on how young people can address feelings about climate change, digital photography, create theatre in the bush, partipate in a drumming for self expression workshop and much more. Schools are to nominate **ONLY 3** stage 3 students who are environmentally minded and artistically gifted. Places are limited and **FIRST IN FIRST SERVED** so contact DEEC to get your application in ASAP (see website or contact the centre)

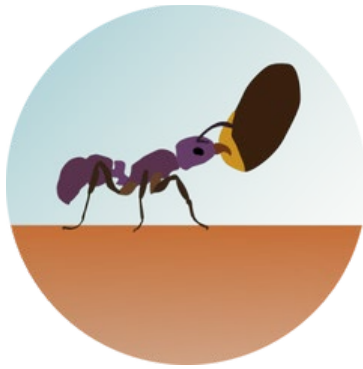


Tiny Gardeners Project.

Many thanks to the schools who applied to have DEEC come and start students off on a Nationwide Citizen Science project that is collecting data that highlights how important ants are to maintaining healthy ecosystems. If you weren't successful in securing a spot, you can still order your own kit and information from the Tiny Gardeners Website. <https://tinygardenersproject.com/> . Authentic Science, great fun!



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Green Innovation Awards

Our local 2020 Green Innovation Awards are going ahead so if you have a passionate Environmentalist on your staff please pass this link on... www.greeninnovationawards.com.au so your students can grab their kit and start collaborating on their environmental innovations. **Expressions of interest are due 10th April 2020; entries due June 12th.**



Programs we offer...

Drumming for Wellbeing: -one hour activity.

Teachers can add this one hour drumming activity to their program. DEEC have djembes for up to 30 students. Drumming activities focus on making good choices, good conversation skills, positive interactions and just having fun!



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Kayak program: DEEC is happy to offer kayaking excursions in our local waterways for primary and high schools. Cost is \$20 per student but kayak numbers are limited. DEEC are happy to take small groups for an educational paddle or split a class to do on shore activities and a paddle in rotation.



Stage 5 Geography Program at Cabarita Beach and Brunswick Heads:

DEEC has collaborated with Geography teachers to create a day of activities at Cabarita Beach or at Brunswick Heads. Activities complement the new Geography syllabus and give the students a hands on day using Geographer's Tools and equipment to collect and analyse data. We have also modified this program to suit schools - and used the sites of Belongil and Wategos Beaches this term.

Senior Science: New Syllabus Senior Science Depth Studies: A day with DEEC at one of our field sites could be the jumping off point for your Senior Science Depth Studies. We use tools to measure and compare abiotic and biotic features in Dry Schlerophyll and Sub Tropical Rainforest; and can set up scientific inquiry projects at aquatic/marine sites. Ring and discuss it with DEEC teaching staff.



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Bunya the school yard fairy

Dorroughby is always kept busy with mail in relation to our K-2 Need for Shelter excursion.

Students have been receiving correspondence from our newest (littlest) teaching assistant; Bunya the Schoolyard fairy. She is very excited to help students learn about what the animals at DEEC needs are with regards to shelter and to find out what the habitat is like for animals in your schools. Since we have started listening to the little people we have noticed fairy houses popping up all around DEEC.



Botanical Illustrations: DEEC offers a multistage program where students learn about plant adaptations, the big scrub rainforest and how to make a botanical illustration of the trees in your school yard. Your school may wish to use these illustrations to create a student made plant guide for your school.

Stage 4 Geography Program at Ballina Flatrock: DEEC has collaborated with Geography teachers to create a day of activities at Ballina Flatrock that complement the new Geography syllabus topic - LIVABILITY. Activities involve dissecting Ballina's services, learning about the Indigenous past of the area and using Geographer's Tools to collect data - flora and fauna transects, field sketches, coastal abiotics and mapping.

Stage 2-3 Colonial History Program: DEEC staff has a fabulous History Program for Stage 2-3. This is a day program that can stand alone or become part of a 2-3 day camp. The emphasis on the 1880s - way of life of the Cedar Getters and their family, how this changed the Bundjalung Nation's lives and the impact it had on Country. Students are taken back to a bygone era and can take part in activities like butter-making etc., meet a cedar-getter role play, engage in an old school house and play colonial games -an archaeological dig is also available.

Stage 5 History Programs: DEEC staff has been working to expand DEEC's repertoire of programs based on the new Australian History Curriculum. We have developed a 2 day excursion that compliments the Stage 5: History - Depth Study 5: The Globalising World - The environmental movement (1960s - present) and we are still looking for a Year 11 class to trial it with.

Bush Tucker Program: DEEC run a Bush Tucker Day Program. Students learn about Bundjalung Culture - Bush Foods and Medicines from this area. They then cook and share a meal using local ingredients. What bush tucker is fruiting in your school yard?

Thanks to the students, staff and Schools for successful learning camps and to the many teachers and students who visited DEEC or our field study sites this term.

Team Dorroughby.



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