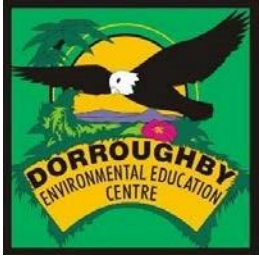


Dorroughby Environmental Education Centre



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DORROUGHBY EEC TERM 2 2019

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



GENERAL NEWS

Jingelah Bloggerman! Hello Colleagues!

DEEC has been very busy revising all our programs, and creating and implementing new programs, this term and streamlining the school website. ES1 - SS programs are up and running. HS programs will be reviewed and revised T3 and T4. We have also had a lot of enthusiastic, amazing teachers and students accessing our programs.



Upper Coopers Creek PS took part in our History Program at the end of Term 1. We undertook an archaeological dig on DEEC grounds and discovered many interesting finds.



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160L per day Water Challenge Competition.



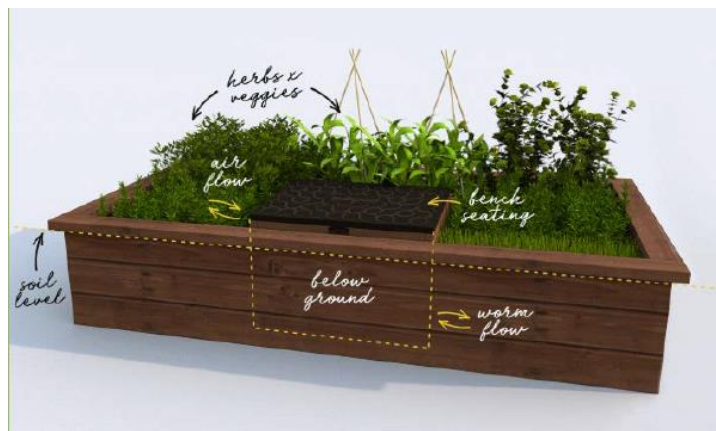
Schools may wish to get involved with Rous waters 160 L challenge this June-A water saving challenge to reduce your use to less than 160 litres per person per day. Competition with great prizes!!!

Northern Rivers' residents use approximately 194 litres of water per person per day on average. A rapidly growing population and more extreme weather conditions mean being water wise is more important than ever. Challenge your school, family or housemates over 30 days.

Link: https://www.rous.nsw.gov.au/cp_themes/default/page.asp?p=DOC-MHV-33-17-88

SUBPOD Below Ground Compost System

Dorroughby EEC was gifted a SUBPOD below ground composting system from the Compost Central crew to help promote their new 3D printed compost worm farm system. They are donating a system to a school for every 10 they sell. They divert waste from landfill, help cool the climate by avoiding methane emissions (a greenhouse gas more than 18 times more powerful than CO₂), turn food waste into soil nutrients to grow food and help us stay connected to the natural systems that sustain life .



Programs we offer include...

NEW Soil - Beneath Our Feet **NEW**

Dorroughby EEC is now offering a Stage 3 Soil Science Investigation that supports Primary Connections - Beneath Our Feet and the DETNSW syllabi. Students classify soil, investigate soil erosion, use modern microscopes, practice observing and recording scientific data and create art with their own soil crayon and soil watercolours.



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NEW Marvellous Microbes **NEW**

This is an S3 incursion that happens in 2 half days 1-2 weeks apart. Students learn about micro-organisms and their role in the ecosystem. They swab designated parts of the school following scientific processes. On the return visit students examine what the swabs have grown on petri dishes under microscopes, document and analyse the results.



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.

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 abiotic 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?

Call for nominations for 2019 Biodiversity Awards

Lismore City Council is calling for nominations for the 2019 Lismore Biodiversity Awards.

The inaugural awards were held in August 2017 to acknowledge and thank the farmers, rural landholders, community groups and schools working to protect and enhance our local biodiversity. The biennial awards are part of Council's Biodiversity Management Strategy and promote community recognition of the many Landcare groups, wildlife carers, volunteers, farmers, landholders and environmental crusaders who help support and protect healthy habitats and native wildlife. This year a new category, for an educator or school, to recognise passionate communicators that inspire others to take action for biodiversity has been introduced, asking the community to nominate people or groups who show great passion for the environment and an enduring love for the land that is demonstrated in the legacy they are creating. Each winner will receive \$1000 in cash or goods and services such as bush regeneration, native trees or mulch thanks to this year's generous sponsors – the Department of Primary Industry, North Coast Local Land Services, Fire-wheel Rainforest Nursery and Richmond Landcare Inc. The 2019 awards category relevant to schools is:

Educator or School: *For any school or community educator inspiring action for biodiversity protection and restoration.*

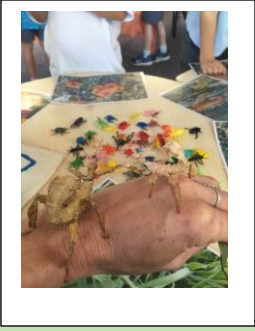
Award nominations are now open and entry forms can be found at www.lismore.nsw.gov.au.

Nominations close on 28 June. The awards will be presented at the Lismore City Hall in September during Biodiversity Month.

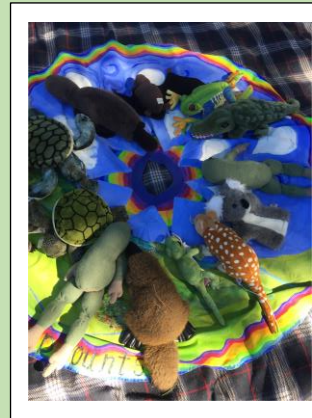


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Highlights from Term 2:



DEEC visits Mullumbimby P.S to investigate insects and our native animals.



The animals and staff had fun with Wyrallah Road Public school at our Forest Party at Rocky Creek Dam.



We measure flow rate at Minyon after the rain with Byron Bay High school

Compost Central, Byron Bay donated and installed a new underground composting system to DEEC.



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 Dorrroughby.



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