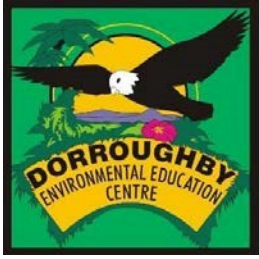


Dorrroughby Environmental Education Centre



NSW Department of Education

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DORROUGHBY EEC TERM 3 2020

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



GENERAL NEWS

Jingelah Bloggerman! Hello Colleagues!

DEEC are able to attend your schools to conduct incursions whilst professional learning workshops and camps with DEEC have been cancelled until the end of this term. Excursions at offsite venues are available as long as the groups (including teacher and DEEC staff) are less than 20.

Incursion Brochures (K-6) and (7-12) are attached to end of newsletter.

REMOTE LEARNING OPPORTUNITIES.

The Environmental and Zoo Centres (EZEC) have created a range of resources to support teaching and learning from home. The resources were developed by Department of Education teachers from 25 Environmental and Zoo Education Centres in NSW. Some resources are designed for teachers, others are designed for student use. The types of resources include: Google Sites, worksheets, virtual field study programs on different biomes, and many more curriculum based programs. These can be accessed via our school website's home page under **Remote Lessons**, or sign into your google account and put in these links.

K-6 - <https://sites.google.com/education.nsw.gov.au/primary-school-resources/home>

7-12 <https://sites.google.com/education.nsw.gov.au/high-school-resources/home>



Environment = Life

The team at Dorroughby are, as well as contributing to the EZEC library of remote resources, busy converting our most popular programs into remote learning lessons. **For K-6 teachers** we have created 4 local history lessons, 3 science lessons and 5 Maths in Nature lessons. These lessons don't need internet access, have elements of outdoor learning and include hands on activities. Links are found from our school's website home page, under the heading of **Remote Lessons**, or log into your google account and follow these links.

KLA	Lesson	Link
History	The Big Scrub	https://drive.google.com/open?id=1q-IN4CUJvogFqChW19B_URKxPqsQBidB
	The Cedar Getters	https://drive.google.com/open?id=1iBiG5XEPWypeLIUqL-QIEfhEPQ5aF2FW
	Schools in 1870s	https://drive.google.com/open?id=1GIhx_wbK9YENi2XTKjf7bBKo6XyuCY7c
	A child's life in 1870	https://drive.google.com/open?id=16DZYiGiJLxQYxyjJeJUbd5i6HdOA-n5h
Science	Living World Lesson ES1 -S1 - Plants	https://drive.google.com/open?id=1THhDqe3TAOgM9rCDA5fRHUzCSEjX77I5
	Living World Lesson S2-3 - Plants	https://drive.google.com/open?id=1mxkwwJUv7DAcPFknCpCIpDuKYWqHMWQv
	Material World Lesson S2-3 - Making cordage	https://drive.google.com/open?id=10nJ_YCZBxfe6z2ooMCIvacJ-O5AcMan-
Maths in Nature	Division	https://drive.google.com/open?id=1WxoGFietNcyAKtnBq2q2SG_xdSQ7nSxy
	Mapping	https://drive.google.com/open?id=1_zZEYNcvLySNCq3LKUsrGQNiEnB6t2p
	Measuring carbon stored in a tree	https://drive.google.com/open?id=1tGrjMTOdX1N4NCx7i1nInnO9ERJ2iKvH
	Symmetry in nature	https://drive.google.com/open?id=1jrl8fiW8zIBipF94fucg5ynI8CiImmrr
	Tree Height	https://drive.google.com/open?id=1OOT6gcm3h8W3Q8dmf-8T3BS1Cnxmceg
Environmental Education	Outdoors treasure Hunts 1,2, and 3	https://drive.google.com/open?id=1KSg2bCEuoOemjxCofbq0XSP9sRm8qo09 https://drive.google.com/open?id=1DCS5MijvHGJOR96WallvhEE0rmd3gpXF https://drive.google.com/open?id=1DDy9-_YVEelulNqhNw4hWapC9Mf3taMy



For **Secondary teachers**, we have chosen our most popular Geography/Biology field study program - Brunswick Heads field study - focusing on local Mangroves and Littoral Rainforest and created a **online field study lesson** based on DEEC's existing program. This google site lesson enables students to work through their work booklet with resources embedded into the google site. It includes videoed experts; history and geology components; virtual belt vegetation and abiotic transects, virtual quadrats and field sketches.

DEEC also has developed a **Stage 4 - Water in our World - Geography online field study lesson** that digitalises on our Year 7-8 excursion to Rocky Creek Dam; as well as a **History Curriculum support resource - The Rise of the Environmental Movement in the Northern Rivers, N.S.W/Australia**

These can be accessed via our website (<https://dorroughby-e.schools.nsw.gov.au/>), under the heading **ONLINE LESSONS**. You will need to log into your google account and follow the links.

DEEC 2020 Art Camp for Year 5

Our Gifted and Talented Visual and Performing Environmental Arts camp has **been moved back to Term 4 this year - Nov 17th - 19th 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, participate 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)



Green Innovation Awards 2020



Our local 2020 Green Innovation Awards have been moved to later in the year. 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. **Registrations have been extended until 3rd July and schools have until 23rd September to submit their entry!**

Feel free if you have an idea of how we can assist you in anyway in the creating of virtual outdoor learning. Thanks to all the staff who continue to support their school communities in these times.

Team Dorroughby.



Environment = Life

Streamwatch



If you have a nearby waterway DEEC can come and do water quality testing and Streamwatch with your students.

Specific to your needs

Please contact Dorrroughby EEC if you have an incursion that you would like DEEC to develop and implement with your student's specific needs in mind.



Cost for PUBLIC SCHOOLS
\$5.00 - per student

CONTACT US ON

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2101 Dunoon Rd , Dorrroughby, 2480



**DORROUGHBY
ENVIRONMENTAL
EDUCATION CENTRE**

Incursions K-6

Dorrroughby Environmental Education Centre is a NSW Department of Education school that supports local school communities. Experienced teachers provide curriculum based programs for students K-12 at your school and nearby sites.





ES1-S1

**Go Native! -Native Flora and Fauna
Science-Geography-Sustainability**
Insects - anatomy, camouflage,
phasmids. School Safari - habitat.
Botanical Art - microscopes, drawing.
Native animals - games.



ES1-S1

**Need for Shelter - with
Bunya the School Fairy**
Meet Bunya the School Fairy
- Habitat survey -
Treasure Hunt - Create
bird's nests and eggs -
nestbox activity- Native
animals- games.



S2 Science, Art, Geography - Who loves invertebrates?

Students focus on terrestrial
invertebrates and their roles in Earth's
ecosystems. Students will study
invertebrates under the microscope and
make a stop motion production on iPads
consolidating the day's learning.

S2-3 SOIL ROCKS!! Beneath Our Feet - Science

Investigate soil- take part in erosion
activity-look at rock samples under
microscopes-create soil crayons and use
them in art activity.

S2-3 - Cat on the Island Drama-Sustainability-Literature

Using as stimulus the book *Cat on the Island*,
students explore human impact on a small NZ
island. Students discuss environmental literacy
and the story from a conservation point of view.
Students then decide on which key points of the
book to dramatise, create a script based on the
conservation messages of the book, create props,
and present/film the play.



ES1-S1 Science

Students learn about the importance of water,
how our catchment works, pollution with Danny
the Drip, and participate in a giant bubble making
activity.

S2-3 Sustainability - Science

Students take part in an
Environmental workshop - outlining
the causes and effects of greenhouse
gases on our Earth and the basis of
Climate Change. Energy, Water,
Biodiversity and Waste audits are
conducted within the school grounds.
Optional - students create a School
Environmental Management Plan
(SEMP) OR another environmental
activity.



S2-3 Sustainability - Science

Inspection of Gliders -
biodiversity audit of school
grounds- investigate hollows with
camera - nestbox activity -
create a student led action plan
for their school grounds.

Streamwatch



If you have a nearby waterway DEEC can come and do water quality testing and Streamwatch with your students.

Specific to your needs

Please contact Dorrroughby EEC if you have an incursion that you would like DEEC to develop and implement with your student's specific needs in mind.



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**DORROUGHBY
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Incursions 7-12

Dorrroughby Environmental Education Centre is a NSW Department of Education school that supports local school communities. Experienced teachers provide curriculum based programs for students K-12 at your school and nearby sites.





7-12 Drumming for Wellbeing Workshop

1-1.5 hour drumming activity. DEEC have djembes for up to 30 students. Drumming activities focus on making good choices, good conversation skills, positive interactions and just having fun!



Big Scrub Art Workshop

Students learn about the Big Scrub - its history and cultural significance. They then take part in a botanical art workshop using local vegetation and microscopes to create watercolour botanical drawings.



Field Study Skills Science-Geography

DEEC staff will come to your school and run a field study workshop in your school grounds in order to teach students the basics of Geographers tools.

Create transects, and collect abiotic data along the transect line. Students learn how to create a field sketch. Prepare students for field studies outside of school grounds.

Stage 4 - English Literacy - Children's Books Cat on the Island

Drama-Sustainability-Literature

Using as stimulus the book *Cat on the Island*, students explore human impact on a small NZ island.



Students discuss environmental literacy and the story from a conservation point of view. Students then decide on which key points of the book to dramatise, create a script based on the conservation messages of the book, create props, and present/film the play.



Sustainability - Science

Students take part in an Environmental workshop - outlining the causes and effects of greenhouse gases on our Earth and the basis of Climate Change. Energy, Water, Biodiversity and Waste audits are conducted within the school grounds and then students create a student led School Environmental Management Plan (SEMP) specific to the school's identified need for actions.