

MAY 11

STEP OUT!

ENVIRONMENTAL EDUCATION NEWSLETTER



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Step out and plant this winter!



Hawke's Bay Regional Council needs your help with planting a riparian margin at Harakeke Waterway (Plantation Drain) from 14 - 18 June in Napier.

This is a great way for your school, class or group to get involved in your local community, and to celebrate World Biodiversity Day (22 May) and World Environment Day (5 June).

A riparian margin is a strip of land running alongside a waterway, protecting it from pollution and/or sediment, by fencing, tree and shrub planting, or a maintained grass edge.

Riparian protection has a greater impact on smaller waterways, and improved water quality in large lowland rivers is often the result of good riparian management in the many small streams up-river.

Streamside vegetation provides cover for spawning fish, and food and habitat for birds. As water plants and invertebrates increase, they provide a better food supply for fish and waterfowl. Riparian and native vegetation, grown together, extend the habitat for native birds and create wildlife corridors for migration.

Trees and shrubs roots provide stability to the stream banks, strip nutrients from groundwater and runoff, and provide shade for the stream and its wildlife. Grasses help catch and filter sediment and debris from surface runoff.

In addition to planting, there are other ways your school or community can improve the quality of your local waterway:

- Don't let pollutants get into storm water: "Only Rain Down That Drain!"
- Fence waterways to keep out stock
- Protect wetland areas
- Don't waste water - manage all irrigation, garden watering, and use water efficiently in homes and schools.
- Don't dump rubbish in and around rivers, streams and, if you see it, please pick it up.

Contact restoration@hbrc.govt.nz or 833 8036 to register. We'll provide the plants and the experts. All you need is a spade, drinking water, sun protection and/or wet weather gear - plus lots of energy!

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THE SHORTEST EVER DISASTER MOVIE COMPETITION

Does your school want to participate in this competition?

We invite you and your school community to learn about earthquakes, tsunami and floods, while making the shortest disaster movie ever!

For more information please visit: www.actionreaction.co.nz. We'd love to hear your thoughts and whether your school might participate.

Expert speakers are available for school visits, but you need to book them soon as spaces are limited. Contact Nigel on simpson@hbrc.govt.nz to book an expert for your school.

Let us know if your school is keen. Contact Emily on **06 833 8036** or emily@hbrc.govt.nz. We look forward to hearing from you!

| When | Where | Who | Times/sessions |
|--|--------------------------------------|---|--------------------------|
| Tuesday, 14 June Wednesday, 15 June Thursday, 16 June Friday, 17 June | Harakeke Waterway (Plantation Drain) | All welcome, including schools | 10am -12pm 12pm - 2pm |
| Saturday, 18 June | Harakeke Waterway (Plantation Drain) | Community event - Bring the whole family! | 10am - 2pm |

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Enviroschools Regional Event

The Hawke's Bay Enviroschools Regional event will be held on 15 June at Marewa School from 9.30-3pm. The day will include workshops, interactive sessions, networking and activities for adults and students.

Each Enviroschool is invited to bring 2 adults and 5 students. 1 of the adults from your school **MUST** be a fulltime teacher. The other adult can be a teacher, aid, staff, parent, BOT or community member that works with your school. If your school sends 2 adults, your school is entitled to \$300 for teacher release.

Emily will be sending out more information closer to the date. Please book into your school calendar now.



Wairoa schools have a new facilitator!

Welcome to **Frances Grover**, who is now part of our Enviroschools whanau! Frances is a trained teacher and a Mahia local. In addition to her Enviroschools contract, Frances works part time at Tiaho School. Frances will be working with and facilitating Tiaho and Te Mahia School while offering support to Te Kura Kaupapa Maori o Ngati Kahungunu o Te Wairoa. Once Frances develops her knowledge and understanding of the programme, she will be able to facilitate more schools.

Each facilitated first year Envirochool, is entitled to 60 hours of facilitation time, which includes meetings, travel, enviro-group meetings and associated work. Each second year Enviroschool is entitled to 30 hours and then 15 hours during year 3. Our hope is that by the 4th year, the school will no longer need regular facilitation and may even become a "mentoring" school for new Enviroschools.

If your school is interested in becoming an Enviroschool starting in 2012, have a look at www.hbrc.govt.nz for more information, or contact Emily Rockwell, Hawke's Bay Enviroschools Regional Coordinator, on (06) 833 8036, or email emily@hbrc.govt.nz.



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Professional Development Opportunities

Primary Science Week (5 May)

Come and meet four of Hawke's Bay Regional Council's most enthusiastic scientists at Napier Intermediate School on Thursday 5 May 2011 from 4 - 6pm.

During this afternoon session you will hear about the science underpinning their work, and have the opportunity to learn some science experiments you can conduct with your students.

These experiments will include explaining the inversion layer, determining the quality of soil, identifying the macro-invertebrates and determining the salinity of water.

Science week aims to engage students, teachers, parents, communities and science providers in science activities and, more importantly, to provide professional development opportunities for primary school teachers.

If you have not already registered for this workshop, late registrations will be accepted until Monday 2 May, if the event is not already full. RSVP to emily@hbrc.govt.nz.

Shake It! (13 May)

'Shake It' is a new education resource which uses process drama to teach students how to react in the event of an earthquake. This professional development workshop is for primary and intermediate teachers who are interested in using drama as a medium to teach disaster preparedness. Each teacher who attends will get a 'Shake It' resource kit to use in class.

Since the Christchurch earthquake, Hawke's Bay Civil Defence staff have been working with a performing arts teacher (who experienced the September earthquake) to create this resource.

Students will read about one person's experience of the Hawke's Bay earthquake from an old diary entry. They then become 'experts' and give assistance to a country that has just experienced a major earthquake. During this process the students will learn what to expect, and how to keep themselves safe, during and after an earthquake.

The aims of the workshop include:

- Learning process drama techniques to teach disaster preparedness
- Understanding psychological reactions of children during and after an earthquake
- Identify and discuss civil defence teaching resources
- Distribute the new Shake It resource to use within your classroom

The workshop will be held at the Hastings Emergency Management Office, 311 Lyndon Road from 8.30 am - 3.30 pm.

We are offering a "2 for 1 deal" for the first 4 schools who register; we will pay 1 teacher release if your school sends 2 teachers.

We must have a minimum of 10 teachers to run this workshop, with a maximum of 35. To register, please email emily@hbrc.govt.nz or **833 8036** with the year you teach. Registrations must be received by **Friday 6 May**.

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What makes a good leader? Red Socks Day and Leadership Week

In 2011, Red Socks Day will be held during Leadership Week on Friday 8 July to encourage schools, organisations and individuals throughout New Zealand to celebrate leadership in action and to remember a great New Zealand leader, Sir Peter Blake.

Schools participating in Red Socks Day are also invited to nominate one of their promising young leaders for the new Sir Peter Blake Young Leader Award.

To celebrate Leadership Week, organise a series of activities to help encourage your students to learn to develop leadership skills.

Discuss different situations where a leader is needed, for example: sports teams, beach cleanup, fundraising for school, camp, recycling programme at school, etc. Here are some questions that students can consider for leadership week:

What qualities make a good leader?

- Does a good leader affect the group they are leading? (Does a captain of a sports team make the team play better?)
- What is delegation? Should all leaders do it?
- Who are good leaders within your school?
- Who are famous leaders from New Zealand and around the world?

For more information on Leadership Week and Red Socks Day please go to: www.sirpeterblaketrust.org.



Secondary Schools ReGen Week (27-30 June) and Youth Jam (1-2 July)

A variety of assembly talks or workshops to be held at your school.

ASSEMBLY TALKS (10 - 30 minutes)

Option 1: "1.4 Billion Reasons"

Right now, 1.4 billion people in our world live in extreme poverty. Within a generation, we have the capacity to reduce this number to zero. To explain why an end to extreme poverty is possible, and the simple, everyday actions that can help bring this about, join Will Watterson, the New Zealand Country Director for the Global Poverty Project, as he clearly articulates the facts of extreme poverty and demonstrates we can all be a part of the solution.

Option 2: "ReGeneration"

This project is an independent network for young New Zealanders who are working to create positive change in their communities, workplaces, families, schools and natural environments. This is a chance to hear inspiring personal stories from the founders of ReGeneration and learn more about how your young people can be involved in the project.

WORKSHOPS (1 hour to 1 day Sessions)

Our workshops can be fully customised to your students curriculum needs. They fall into three main streams, and you are welcome to choose any or all of them:

Stream 1: Global and Local Issues

Explore how issues like globalisation, extreme poverty, human rights, climate change and conflict are relevant to us here in Aotearoa and are intimately connected to our everyday lives and decisions. Suitable for anyone but especially of benefit to social studies, economics and media studies classes.

Stream 2: Leadership

Learn tools and techniques to become more effective as a leader. Learn the discipline self-reflection and good decision-making, how to exercise your 'group consciousness' muscle, and how to effectively invite and motivate people, using their natural interests, skills and desires to get them to work together better. Suitable for anyone, with an advanced option for prefects.

Stream 3: Values & Generosity

Explore what values are, how we develop them, and what it looks like to live by our values, as well as insights into how to stay true to our values through the ups and downs of life. Suitable for anyone.

HAWKE'S BAY YOUTH JAM

Friday and Saturday will be the Hawke's Bay Youth Jam 1-2 July. Up to 3 students from year 10 -13 are invited from your high school.

Students will have the opportunity to choose from a variety of workshops that fall into four streams, build leadership skills and do action planning during day one. Day two will offer opportunities for action projects, film making, and additional workshops.

Stream 1 - Global and Local Issues

Explore how issues like globalisation, extreme poverty, human rights, climate change and conflict are relevant to us here in Aotearoa New Zealand and are intimately connected to our everyday lives and decisions. Suitable for anyone but especially of benefit to social studies, economics and media studies classes.

Stream 2: Values & Generosity

Explore what values are, how we develop them, and what it looks like to live by our values, as well as insights into how to stay true to our values through the ups and downs of life.

Stream 3: Storytelling for Social Change

The media is a powerful presence in our lives. In these workshops, students have the opportunity to work alongside award winning film-makers, exploring ways of engaging with audiences to tell stories of social change.

Stream 4: Climate Change

What exactly is climate change and how might it affect us? Learn more about climate science, international climate negotiations and how young people influence them. How the actions we take on local levels have an impact on an international scale and how you can get more involved.

Cost: \$20 per student (includes accommodation, dinner, breakfast, lunch & workshops)

Venue: EIT Marae

When: 9am Friday 1 July to 4pm Saturday 2 July

To book assembly talks, school workshops or to register for the Youth Jam please contact: emily@hbrc.govt.nz or phone: **06 833 8036** by Friday 24 June.



Well done to the winning Sir Peter Blake Youth Enviroleaders!

Congratulations to:

Faith Dornan from Tamatea High
Jenni Coulson from Taradale High
Christina Gray from William Colenso
Emily Aitken from Woodford

who were selected to represent Hawke's Bay at the 2011 Sir Peter Blake Youth Enviroleaders Forum!

These students received the all expenses paid trip to Auckland, after submitting a very comprehensive application form.

During the action-packed week, students developed leadership skills led by the Royal NZ Navy, went on a night safari at Auckland Zoo, met Dr Paul Reynolds (Chief Executive, Ministry for the Environment), and participated in activities including stream sampling and analysis, snorkelling, energy auditing and product development.

Students were able to choose from three projects to focus on: Environmentally Responsible Business, Urban Water Management and Sustainable Tourism.

Depending on the project they choose, the students visited Goat Island Marine Reserve, Tawharanui Regional Park, Auckland Domain, Oakley Creek or the brand new 'green' corporate headquarters of Westpac.

The Forum concluded with presentations by delegates at the University of Auckland Business School.



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Take a Tour With a Difference!

Find out what really happens to our waste here in the Hawke's Bay.

Educational Tours of the Henderson Road Refuse Transfer Station and Omarunui Landfill are available for Hastings District Schools.

Hastings District Council Waste Minimisation Team's role is to talk rubbish. They're available to lead tours for children of all ages, providing a chance to step behind the scenes and see how our community discards resources.

Because the landfill is a large operational industrial site, tours have to be conducted on one vehicle (i.e. a bus).

Do you want to get up to speed on different sustainability topics?

As part of the Sus'd programme, Hastings District Council are running monthly information evenings at the Hastings libraries on various topics: energy, gardening, shopping, transport, waste and water.

Go to www.susd.org.nz to find out which experts will be speaking and when. Staff are also available to speak to classes about sustainability and the wider Sus'd campaign.

If you would like more information about the Sus'd programme or to book a tour, contact **Dominic** on **06 871 5046** or Angela on **06 871 5047**.

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Term 2 Action Dates

MAY - Focus: Building Soil

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| Fair Trade Fortnight | 7-22 May | www.fairtrade.org.nz |
| International Migratory Bird Day | 14 May | www.birdday.org |
| Plantation Drain community planting | 19-21 May | www.hbrc.govt.nz |
| Youth Week | 21-29 May | www.youthweek.co.nz |
| World Biodiversity Day | 22 May | www.cbd.int/idb |

JUNE - Focus: Planting Trees

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| World Environment Day / Arbour Day | 5 June | www.unep.org/wed/ |
| Karamu Community Planting at Ruahapia | 7-11 June | www.hbrc.govt.nz |
| Enviroschools Regional Event | 15 June | www.hbrc.govt.nz |
| Secondary Schools REGeneration Action Week | 28 June - 2 July | www.hbrc.govt.nz |

JULY - Focus: Reduce, reuse, repair, revive

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| Red Socks Day | 8 July | www.sirpeterblaketrust.org |
| Pakowhai Country Park community planting | 9 July | www.hbrc.govt.nz |

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Garden Bird Survey 2011

The 2011 Garden Bird Survey will take place between 25 June and 3 July, and schools are again invited to participate.

For the survey, pupils record the highest number of each bird species they see during one hour of observation. This can be done as a class activity, or at home (or both).

Some schools divide classes into small groups and send them to different parts of the school grounds. Others ask pupils to do the survey at home and then bring the results back for processing (but please also send the forms to the survey organiser).

You'll find full instructions at: www.landcareresearch.co.nz/research/biocons/gardenbird, as well as a school activities page, and bird identification guides.

Each year, cumulative survey results help determine whether numbers of birds such as the tui, bellbird and kereru, are increasing or decreasing, and guide conservation efforts.

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HAWKE'S BAY
REGIONAL COUNCIL

Comments and enquiries:

Emily Rockwell

Environmental Education Advisor

Ph: (06) 833 8036

Fax: (06) 835 3601

email: emily@hbrc.govt.nz

Hawke's Bay Regional Council

159 Dalton Street

Private Bag 6005

Napier 4110

Ph: (06) 833 2955

www.hbrc.govt.nz