

EcoBuzz

EcoBuzz Edition 54

Term 2 2014



Tasman School students taking on the challenge with Project Janszoon's Wendy Reeves at the Moturoa Mission in March.

IN THIS ISSUE:

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- Stream projects
- Sustainability PD
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- Moturoa Mission photos

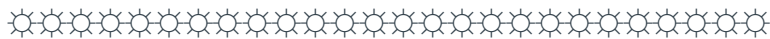
How is the weather today?

The weather – it’s a big topic. “How is the weather today?” may be simple enough to answer. “What’s happening to the weather” and “how will we cope” are much, much bigger questions. We can choose not to ask them but they won’t go away. Without putting big problems on small shoulders how do we proactively prepare our young people for a rapidly changing world? We collectively hope you find inspiration and support in the following pages.

Thanks Adie, Richard, Lindsey and Claire



“Whether you think you can or you think you can’t – you are right” – Henry Ford



“Imagine if trees gave off Wifi signals, we would be planting so many trees and we’d probably save the world too. Too bad they only produce the oxygen we breathe” – Unknown

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2014 ARBOR DAY - SCHOOL PLANTING ACTIVITIES

Tasman District Council will be holding Arbor Day planting activities over the two weeks from Monday 9 June through to Friday 20 June 2014. This is to celebrate Arbor Day which falls on Thursday 5th June and promotes the value of trees to us all.

Your school will receive an invitation from Kathy Curnow to send a group of students to participate in a planting on a local reserve or re-vegetation project in your area. Alternatively, this year you will be offered a choice from a selection of fruit and nut trees or ornamental trees for your school. If you choose this option, you will be contacted regarding tree selection and also how students might explore the landscape to find the best place for them.

We hope that your pupils can be involved in this fun and long running environmental activity.

Air Quality and Aerosols Investigations possibility

Tasman District Council scientists are gathering data and measuring the air quality in both Richmond and Motueka this winter.

If you have a class with Year 7+ and are interested in a project of working with Tasman District Council educators and scientists in developing a local process for investigating air quality and taking measurements over Term 3, this year or next, please contact Adie Leng, adie.leng@tasman.govt.nz

Check out the aerosol protocol on <http://www.globe.gov/web/atmosphere-climate/protocols> to get an idea of what could be done.

Scooting along safely

Scooters and skateboards allow children of all ages to travel on wheels. They are fun and quicker than walking, yet use the same routes and footpaths. However, the potential of accidents is much higher if you are on wheels on the footpath or forget to only walk across roads. There is a lot to learn about travelling on shared paths. Children using skateboard and scooter travel on footpaths need to have adult supervision until they are at least eight years old. Check out the poster.

In comparison, the preferred cycling age starts at ten years, as cyclists need to know and have practised good road safety rules before they go on the same roads with cars and trucks. Eight years or ten years are just numbers; it is hoped that any unsupervised child on a footpath or road takes care, is vigilant and considerate about other footpath and road users and knows how to take preventative action for both predictable and sudden issues.

Supervised Wheels Days at schools and in early childhood centres can encourage care and awareness of travelling amongst similarly wheeled travellers and pedestrians but more is needed for real situational safety. Marty Clark, Regional Coordinator of "Ride On," a joint Tasman District and Nelson City Councils funded programme, now offers formal Scooter Safety training sessions for schools. Contact Marty by phoning 03 923 2315/mobile: 027 544 3959 or emailing rideon@sporttasman.org.nz. Students have loved the course and it is worth having increased safer travelling to and from schools.

To reinforce what is learnt from the practical sessions view the PowerPoint on the NZ Transport Agency webpage: <http://education.nzta.govt.nz/resources/school-community-partnerships/scooter-safety-tips>.



Scooter school

Safety skills

Supervise children under the age of 8, wherever they are scooting !

Tips for skilled scooting



3 Stop safely by jumping off your scooter and running to a stop beside it

- Practice jumping off your scooter while moving - run beside it (without dropping it) until you can stop
- The faster you are going the more steps you might need to take to come to a complete stop

1 Place your front foot as far forward on the deck as you can

- You will have better grip, and it will prevent the scooter from doing a surprise wheelie
- Your back foot will fit on the deck when you're gliding Your back foot will fit on the deck when you're gliding



2 Slow down using your brake (never drag your foot!)

- Bend your knees and shift your weight backwards onto the brake over the back wheel



4 When cornering hold your inside foot up off the deck and off the ground - don't kick/boost in tight corners

- You will have better balance and be protected from a fall if you slip on the corner
- You will be ready to stop if you need to, and ready to kick/boost as you come out of the corner



5 Change the foot which you kick your scooter with, from time to time

- Avoid pains and injuries from always using the same side
- It will increase your turning skills and improve your balance

Rules for safer scooting

1 Wear a helmet, elbow and knee pads, and shoes that cover your toes and heels (no jandals!)

- Your helmet should sit level on your head with the straps comfortably snug, done up under your chin
- Knee and elbow pads can absorb a lot of the force of a crash. Make sure yours are fitted so they don't slide out of place if you fall on them



2 Check your scooter before you scoot

- Check the clamps are done up, wheels spin freely and the brake works well
- Make sure your front wheel is facing the correct way



3 Choose safe places to scoot

- Choose smooth dry surfaces - avoid gravel, raised edges, wet areas and steep hills
- Scooters are allowed the same places pedestrians are, unless signs say otherwise. Take care around pedestrians - slow down or get off your scooter to go past them.
- Choose routes with safe crossing places like pedestrian crossings or controlled intersections - even if it means you have to scoot a little further

4 Cross roads carefully - Always walk your scooter when crossing a road

- Be patient and wait for any vehicles to stop
- Find a safe place to cross - like at a crossing or away from a corner
- Stand one step back from the kerb
- Look and listen for traffic coming from all directions
- When there's no traffic coming, walk quickly straight across the road, looking each way for traffic



5 Control your scooter's speed so you can

- Look down driveways to check for cars, and stop if you need to
- Easily slow down for pedestrians
- Stop at least three scooter-lengths before an intersection or pedestrian crossing
- Stop safely if something unexpected happens



✉ schooltravel@gw.govt.nz
☎ 0800 496 734
www.gw.govt.nz/scooters/
www.microscooters.co.nz/scooter-safety



Richmond Waterways

There are four main streams/creeks in the Richmond urban water catchment. One of them is Borck Creek. The lower reach of the Borck, where it enters the Waimea Inlet, runs along Headingly Lane, coming from behind the hills in south Richmond and Hope. A water treatment station, for the stuff we drink, has started to be built on the corner of McShane Road and Lower Queen Street.

Changes are also planned for the Borck Creek channel to enable more effective diversion of stormwater from the upper west side of Richmond, whilst also ensuring long term goals of retaining an ecologically friendly habitat and spaces for recreation. Earth works may be starting in Term 3.

If you think your school/class would be interested in a long term project around the changes involving Borck Creek, please contact Adie Leng. Your project could include: working with engineering processes dealing with stormwater and flooding, ecological and landscape planning, waterways and freshwater fish monitoring, growing of seedlings, and/or planting around the channel changes over the next year or so, as well as contributing to a Richmond waterways community vision.

There is an opportunity to find out more about the changes that are planned at **Richmond Library on May 26th, between 4-6pm.**



Waterway Name Stories 2014

Do you and your students know the names of your nearest streams and have a story about it?

There are many waterways in our district, some of which have more than one local name, and some actually have no official map name. However, someone will have a story about their experience with the waterway, named or not. More stories are needed about our Tasman places like waterways and how they get named. Tasman District Council along with The Prow <http://www.theprow.org.nz/> for the Top of the South, and for the Waimea Plains, Kete Tasman <http://ketetasman.peoplesnetworknz.info/> are interested in hearing some of the stories and also, the variety of names people have, for their local waterways. The Top of the South maps is one way of placing the exact location of any waterway, <http://www.topofthesouthmaps.co.nz> used in any story.

Students, and teachers, are invited to share interesting stories connected to a waterway name, whether you write the stories yourselves, or interview members of your school community for their stories.

Written stories can be emailed to Adie or Claire, or delivered to your local Council office or Library at any time. Ensure they are well labelled with teacher name, school, date, name, age, waterway name and permission for use. Oral stories can also be recorded directly in the Richmond Library's Imaginarium. Please book first and ensure the Librarian knows that you are recording Tasman waterways stories so they can be saved into a special folder for the heritage websites. All stories will be collated and you will be informed when stories are chosen for the websites.



The Enviroschools Foundation updates: Enviroschools National Energiser Hui 2014-Education for Sustainability Teacher PD opportunity

This is open to all Enviroschool teachers.

Where: St Peters School in Cambridge from 8-10 October 2014.

It will include:

- Māori perspectives
- The bigger sustainability picture
- Familiarisation with Enviroschools resources
- Fantastic networking opportunities

More information will be coming shortly.

Contact your Regional Coordinator for more details and to register your interest:

Nelson Schools - Lindsey Fish: lindseyfish@xtra.co.nz 0211460247/5445302

Tasman Schools - Adie Leng: Adie.Leng@tasman.govt.nz 03 543 8400

Nelson Tasman Enviroschools Teacher Workshops

What is sustainability?

He aha te mahi whakauka?

An exploration of the concept of sustainability

Te kaupapa he āria i ngā mahi whakauka

Open to Enviroschools across all sectors

Friday 23 May 1 pm – 5 pm

Parklands School – Aniwaniwa

Tasman Schools - for details and to register contact Adie Leng: Adie.Leng@tasman.govt.nz 03 543 8400

(Paid teacher release and transport subsidy is available)

Or

Wednesday 18TH June 1.15 pm- 6 pm

Nelson Environment Centre

Nelson Schools - for details and to register, contact - Lindsey Fish: lindseyfish@xtra.co.nz

0211460247/5445302 by Friday 6th June (Paid teacher release maybe available)

Be motivated and inspired: at the workshop you will:

- Develop confidence in your own understanding of sustainability and how you might use this understanding to excite students
- Explore the Enviroschool's kaupapa in relevant and meaningful ways
- Have opportunities for networks and partnerships

Here are a few little tasters of the afternoon's content

- Focus on (education for) sustainability, linking action/learning to the 'big' picture and beyond
- Components of Effective Pedagogy
- Making the links to the global issues, developing understanding of sustainability and linking to the key aspects/components of sustainability (Biophysical / Social /Cultural/ Economical)

Lunch, afternoon tea (and a visit to the NEC Art Box included for the Nelson workshop)



Congratulations to Auckland Point Kindergarten

At the end of term one 2014 Auckland point Kindergarten achieved the bronze level of reflection. It was fantastic to have such a big reflection team made up of Kaiako, board of trustees, tamariki, whanau, the Nelson Enviroschool team and NCC Environmental Programmes Officer; Richard Frizzell. After a delicious afternoon tea made by the tamariki using ingredients they had grown in the kindy garden the team discussed evidence of the guiding principles they had found in the place, people, practices and programmes. They were especially impressed with the parent and community partnerships promoting sustainable practices. They also saw the rainwater harvesting system the kindy had installed as part of the Nelson Enviroschools Action Project funding 2013.



The reflection team agreed that the kindy met all of the statements in the Bronze reflection descriptive paragraph below:

We have started work on getting to know our environment better and are creating a shared vision. We are thinking about all the Guiding Principles/Ngā Mātāpono in our planning and action, and we can see how they would look across the four Key Areas of centre life, Children at our centre are exploring options and finding some ways to take action for a sustainable future. We can already show some changes from what we have done. There are some children and staff actively involved, and we've taken steps to let everyone else at the centre know about what is going on. The people in our centre and community know that we are an Enviroschool.

We look forward to hearing about their next steps including their current project with Auckland point school on the nature walk wilderness area.

Nelson Enviroschools would like to welcome Stoke and Victory Square Kindergartens to the programme.

We look forward to working with your Kaiako and tamariki supported by our awesome ECE Enviroschool Facilitators; Roger Wilde and Helen Durbridge. We are also delighted that you have already been successful with your Action project funding applications kindly provided by the Enviroschools Foundation.





Clifton Terrace School becomes a Silver Enviroschool

Clifton Terrace School recently became a Silver Enviroschool. The Enviroschool reflection process is a holistic, team process of discussion and reflection. The Silver Reflection was a morning's process and the team

included the school's Envirogroup and School Council and members of the Board of Trustees. The pupils from across the school presented the environmental actions and inquiries their classes had completed and integrated through the curriculum. Students also led a tour of the school, detailing the sustainable practises and systems that are implemented. This included the boulder bank display illustrating the school's journey from its Enviroschools beginnings in 2010.

The reflection team were impressed by the understanding and implementation of sustainable action. Also impressive was the BOT, school management and students' steadfast determination to deepen their environmental vision for Clifton Terrace School and its community.



Clifton Terraces enviroschools beginning is 2010.

A Silver Enviroschool is one where:

- There is a clear, shared vision where school members know they can make a difference
- Sustainable practices are being kept up and growing
- Progress is being tracked
- Many people from the community are involved in decision making and action for the school with strong support from adults
- Māori perspectives are enriching their kaupapa (purpose)

Clifton Terrace School is Nelson's only Silver Enviroschool. To celebrate their achievement, the school was presented with a certificate and plaque at a special assembly.



Students sorting evidence of the guiding principles across the programmes, practices, people and place at Clifton terrace.



Read about the olive harvest at the school in Schools Journal: August 2013.



Enviroschools Moturoa Mission

In the first of what might become an annual event, Enviro leaders from eight Nelson and eight Tasman Enviroschools raced around Rabbit Island recently to complete an exciting range of sustainability challenges in the Moturoa Mission.

Local environmental agencies were invited to set challenges at different locations. Students used orienteering skills to locate the challenges before completing them in a set time. They also gained points for team work, problem solving and strategy. Pupils learned about the Katipo Spider from an educator from Natureland and the use of different pest traps with Rick Field from the Brook Sanctuary. Zac from Victory School commented that he loved the day, particularly because the students were encouraged to act on their own initiative and without adult help.

Students from the Nelson College for Girls Envirogroup were also provided with an authentic leadership opportunity, helping to run stations and being terrific role models for the younger pupils.

Winners on the day were the “Pythons” from Nelson College for Girls Preparatory school; Nelson’s newest Enviroschool.

Huge thanks to all the agencies involved: Cawthron Institute, Department of Conservation, Nelson Environment Centre, Brook Waimarama Sanctuary, Waimaori Stream Care, Natureland, Otago University Marine Studies Centre, Project Janszoon, Nelson Provincial Museum, Nelson City Council, Tasman District Council, and the Enviroschools Foundation.



Action snapshots of the day



Wakefield School's challenge to be better kaitiaki of resources

As part of Wakefield's journey to being better kaitiaki, the Enviro-Committee undertook a waste audit for the school, measuring both the recycling and waste bins.

Learning to read the different weight scales and deciding whether the waste was recyclable or not was just part of the process for the students. They presented a slide show at assembly with their findings.

One of the challenges they have set for the school is to look at alternatives to using paper towels, which although added to the three fifths of audited materials that was recycled, they are an expensive annual outlay.

If your school has any suggestions to add to their kete of what others have done, they would really like to hear from you. Contact Isobel Ford at Wakefield School.



Principal Peter Verstappen helps verify the Enviro-Committee's weighed measurement of paper from the recycling bin.



"Yes, this is all clean recyclable paper from our waste bins!"

Auckland Point School are making sauerkraut!

This term the Kids Edible Gardens students at Auckland Point school have been staking and tying the tomatoes, and transporting herbs into one garden bed. They harvested the fruits from the garden which was even productive after the long, dry summer holidays: pumpkins, beans, tomatoes, cabbages, capsicums. They made sauerkraut and learnt about osmosis, an important science concept how salt draws the water out of the cabbage.

They ate the sauerkraut at the end of term, in a French stick with German sausage.

They fed the whole school, YUM!



No more rubbish bins at Tahunanui School

Tahunanui school has covered up its rubbish bins and is the latest school to take a brave step towards zero waste! Led by the envirogroup Green Ninjas' vision of no lunch waste at school, lead enviroschools teacher Heidi Newland enlisted Waste Education Services (WES) to help them achieve their goal.

Room 5 conducted a survey of litter in the school grounds and found over 300 pieces of rubbish. They realized that nearly all of this litter was from their lunchboxes.

Food scraps were already being collected for a teacher's chickens, and the school already had a good composting system. The problem was the packaging in lunchboxes, mostly non-recyclable plastic waste, including plastic wrap (called "sad wrap" because of its impact on sea life).

The WES facilitator delivered workshops in zero-waste lunches to every class. She put up a display in the library and at their school gala for the parents to see how a zero waste lunch can save money and how using less packaged food can improve the health of the students.

So far so good, according to Heidi, who has driven the initiative with passion and unswerving dedication. "We have had positive feedback from parents who now know what the children are not eating and it helps them to consider the impact of lunchbox waste" she said. Caretaker Margaret says it's been easier than she'd thought, so, fingers crossed, they will continue onwards and upwards—Kei te pai Tahunanui!



The Green Ninjas decided to make the collection of food scraps a house competition. The buckets are coloured and the house who recycles the greatest amount of food scraps earns points.

Golden Bay Home School Group take to the water

A very active bunch of children aged from 3 to 10 years old have been investigating water quality in 2 local Golden Bay streams. The children measured temperature, conductivity, pH and carried out invertebrate studies to gauge differences in water quality and biodiversity between the two streams. The Onekaka Stream proved healthier than Winter Creek in Pohara. The children were very quick to understand that cool water with vegetation overhanging the stream (for shade, shelter and a food source) and no contaminants entering are all important for good water quality.



Solar Schools: Affordable renewable energy for schools



Solar Schools is an energy-saving and climate change project that offers positive, practical ways to cut carbon and save money for schools on energy bills. It is a new initiative that has grown from the Energy in Schools programme. As New Zealand's first Crowd Funding initiative for solar energy, it allows schools to install photovoltaic panels by sourcing capital from the local community at a lower rate than they could normally access.

An education component is built into this initiative, allowing students to monitor and explore solar energy, using the data from the photovoltaic system. Other forms of renewable energy are also explored. Henley Primary School in Richmond is our first Solar School, installing a 15 kWh (60 panel) system. Solar Schools is run by Nelson Environment Centre, Nelson Building Society and SolarCity, with funding from Canterbury Community Trust.

For more information, please contact:

Carolyn Hughes, Solar Schools Programme Manager Email: carolynhughes@nec.org.nz

TOTSEE – Waste Water trip

Teachers were invited to tour the Whakapuaka waste water treatment station on April 9th organised and led by John Campbell from the Nelson Provincial Museum. John is a scientist and was very knowledgeable about the station as he had been contracted to work on the development of this site including the ponds, which were completed in 2010.

Our waste water undergoes quite a process with lots of interesting technology, before it passes through ponds then piped out to sea. Check out Science Level 5: <http://scienceonline.tki.org.nz/Introducing-five-science-capabilities/Critique-evidence/Disinfecting-wastewater>.

The ponds looked wonderful and were well stocked with a wide range of local wetland birds. Walkway access is available to these ponds and being so close to the city means a visit could support any of your wetland or bird studies, contact John for support.

Louis Tremblay, a scientist from Cawthron, also talked about his 'Up the Pipe' programme for secondary students. The hands-on science looks at the toxicity of body cleaning products that get washed down the pipe. Not every pollutant is filtered out by waste water treatment. Knowing about some of the effects of some chemicals on fish in the ocean is an area Louis has concerns about because of the global inundation over time.

The 'Up the Pipe' project will continued to be run by Cawthron's Community Education programme. They will be running a liquid hand soap competition for intermediate students in the month of June. If you are interested in finding out more please contact Cristina Armstrong on 5482319 ext 357 or cristina.armstrong@cawthron.org.nz



These seagulls fly and hover to pick out the very small pieces of corn and other little leftovers that are not blocked by the filters - really!



The wetlands are host to a range of wetland birds some of whom are quite shy and rare.



Kids Edible Gardens in Schools programme (KEGS)

The Kids Edible Gardens programme is alive and well, and funding has been secured to continue it at least through to the end of the school year.

In term 2, Auckland Point School will host a KEGS workshop for the KEGS lead teachers and any other interested teachers. It will focus on activities and ideas on how to embed Kids Edible Gardens into a busy classroom.

The Kids Edible Gardens workshop is on Wed 14 May at 3.15–4.30pm

At Auckland Point School – YOU ARE INVITED!

Please contact Sarah Langi to register.

Contact: Sarah Langi

Email:

sarahlangi@nec.org.nz

Phone: Nelson Environment

Centre: 545 9176 ext 1

www.wes.org.nz



A big new bin available for school recycling in Nelson schools

A big new bin is now available to use as part of the council-funded school recycling programme from NELMAC.

The bins contain 1100 litre or 1.1 cubic metres

Their size is:

Height = 1370mm

Width = 1360mm

Depth = 1060mm

Weight = 55kg

Schools can only choose one new bin OR to keep using the existing, smaller 120L bins.

The big bin will be collected **weekly** each **WEDNESDAY** and can have all the recyclables co mingled (paper, card, cans, plastics 1–7, **BUT not glass**).

Alan Davis at Nelmac says this is the equivalent of having 9 of the smaller bins. If you choose the new bin, you can still continue to use the small bins for collection around the school, but they will need to be tipped into the new bin for collection each week.

Please let me know if you want one:

Sarah Langi Waste Education Services (WES) funded by Nelson City Council



Small Planet: small people making a big difference!

Agenda for 2014 A date for your diaries:

A workshop on making paper is the first workshop this year.

It will be run on the art-exchange day for May: **May 21 at 3 - 4.30pm at Nelson Environment Centre.**

The Artbox art exchange will be open as usual on the 3rd Wed each month at 3.30–4.30pm, starting Feb 19th. Please note, this is also open to schools

It needs as much paper and card as we can get, so please ask your networks if they have any spare.

Sarah is also available to support you with any environmental projects you have in mind: worms, composting, gardening, waste-free lunchboxes, energy saving – the sky's the limit, so get your requests rolling in.

Looking forward to the best year yet! Contact Sarah Langi



Snippets

The Smithsonian National Museum of Natural History now has a walk through tour –
www.mnh.si.edu/vtp/1-desktop



Education Outside The Classroom - <http://eotc.tki.org.nz/EOTC-home>

He waka eke noa. A canoe on which everyone can embark.

Welcome to the Education Outside the Classroom (EOTC) kete. Learning takes place everywhere. This kete supports safe and effective curriculum-based teaching and learning that extends beyond the classroom walls.

[EOTC Guidelines - Bringing the Curriculum Alive](#)



Calendar

	Date	Events	Contact
May	5	<i>Term 2 begins</i>	
	19-25	Primary Science Week: Out Of This World: a focus on things Astronomica	www.royalsociety.org.nz/teaching-learning/aps/primary-science-week-2014-2/
	21	Making paper workshop, Nelson Environment Centre, 3-4.30pm.	Sarah Langi 545 9176
	22	International Day for Biological Diversity: Island Biodiversity	www.cbd.int/idb/2014/
	23	Tasman Teachers Sustainability Workshop to be held in Motueka 1.30 - 5pm	Adie.leng@tasman.govt.nz or Claire.webster@tasman.govt.nz
June	5	World Environment Day	www.mfe.govt.nz
	5	Arbor Day	www.arborday.org
	8	World Oceans Day: Together we have the power to protect the ocean!	www.un.org
	12	Nelson Enviroschools Kit and Coffee session. Introducing Inquiry units for theme areas	Lindsey Fish 021 146 0247
	19	School Caretakers Workshop at Brightwater School 9.45	Sarah Langi 545 9176 Or Adie Leng 543 7222
	15-21	National Volunteer Week	www.volunteeringnz.org.nz
	28	Matariki - Maori New Year	www.mch.govt.nz/nz-identity-heritage/matariki
July	4	<i>Term 2 ends</i>	
	21-27	Te Wiki o te Reo Maori. Māori Language week begins Theme: The word of the week	www.korero.maori.nz/news/mlw
	21	<i>Term 3 begins</i>	
Aug	3-7	Shark Week	http://sharkweekcountdown.com/
Sept	2	Nelson school/home garden competition opens	Lindsey Fish 0211460247
	3	Early Years Enviroschools Hui at Harakeke Preschool	Helen Durbridge 0272461008
	7-13	Conservation Week	www.doc.govt.nz
	12	Entries close for Outlook for Someday Film Challenge	www.theoutlookforsomeday.net
	14-20	Keep New Zealand Beautiful Week	www.knzb.org.nz
	21	Nelson Enviroschools Kit and Coffee session	Lindsey Fish lindseyfish@xtra.co.nz ;
	22-28	Get Ready Week	www.nelsontasmancivildefence.co.nz/
	26	<i>Term 3 ends</i>	
	28	World Rivers Day	http://worldriversday.com
	28	Daylight savings starts	
Oct	4-10	World Animal Week	www.wspa.org.nz
	4-10	World Space Week	www.worldspaceweek.org
	6	World Habitat Day	www.unhabitat.org
	8	Disaster Reduction Day	www.whatstheplanstan.govt.nz
	8-10	Enviroschools National Hui and Energiser, Cambridge	www.enviroschools.org.nz



Project Funding Opportunities

May

Unisys Kidz Connect Grant <http://www.app3.unisys.com/kidzConnect/> Closed 1 May

O I Recycle Glass Environmental Fund <http://www.recycleglass.co.nz/> Registration of interest closed 31 March, applications close 30 May.

June

Lottery- Environment & Heritage <http://www.communitymatters.govt.nz/Funding-and-grants---Lottery-grants---Lottery-Environment-and-Heritage> Applications close 18 June

July

Environmental Education Action Fun

http://www.wwf.org.nz/what_we_do/community_funding/funding_for_schools/ opens 1 July, closes 1 September. It's a contestable fund open to all NZ schools, ECEs and community groups, who as part of their learning programmes, are taking action to address a local environmental issue.

Habitat Protection Fund

http://www.wwf.org.nz/what_we_do/community_funding/habitat_protection_fund/ (WWF) Applications open 1 July

September

Bayerboost Primary School Science Fund <http://www.royalsociety.org.nz/programmes/funds/education/>

This fund is to give primary schools the opportunity to apply for funding required to teach and enhance environmental and 'nature of science' activities for a maximum sum of up to \$2,000 to help fund activities. A successful school may only apply for funding once every three years. Round 2 applications close 12 September.

December

Lottery- Environment & Heritage <http://www.communitymatters.govt.nz/Funding-and-grants---Lottery-grants---Lottery-Environment-and-Heritage> Applications close 10 December

Applications accepted at any time:

Honda Tree Fund if your project is in partnership with your Council

<http://www.honda.co.nz/environment/treefund/>

Conservation Innovation Fund have an innovative idea

http://www.wwf.org.nz/what_we_do/community_funding/conservation_innovation_fund/

Kids restore NZ register interest at any time <http://www.kidsrestorenz.org.nz/>

NZ Community Trust <http://www.nzct.org.nz/>

Lion Foundation <http://www.lionfoundation.org.nz/>

Mainland Foundation <http://www.mainlandfoundation.co.nz/>

Weedbusters Small Scale Initiative Fund project needs to be registered on website

http://weedbusters.co.nz/funding/initiative_fund.asp

The Trillian Trust <http://www.trillian.co.nz/index.asp?pageID=2145885933>



Activity 1 & 2

Shop Sustainably: Ah to Rs?

You know the 3Rs well but often we do not think of these until after we have used our purchases. "Ah, just what I want!" or is it? Let's STOP before we shop!

RETHINK: Do I actually need this? Is there something I already have that I could use or adapt? How will I use this product? How long will it last?

REFUSE: The power of the consumer!

No, I do not have to buy something that I do not need. I do not have to buy products that are not safe for people making it or using it. I do not have to buy products that are not caring of our environment in their production. I do not have to buy products that can not be repaired, reused or recycled. I do not have to buy anything today.

REDUCE: Could I make it rather than buy it? Is there a refill option? What am I going to do with any leftovers? Could I just get the amount I need? Can I get the quantity that has the least packaging? Do I really need more than one? How can I use or store these foods so there is less waste?

REPAIR Enjoy the challenge

Can I mend this? If it doesn't work properly can I get it fixed? Can I be creative with mending instead of replacing?

REUSE or upcycle: Can I use this again for something else? Who else might like to use this? Can I be creative and use parts of this-and-that for something I need?

RECYCLE: Can I make something quite new out of this? Can someone else make something new out of this? Can this be sent to the recycling centre?

To just stop and think if there is a better way, is a good habit to develop and promote.



Create a challenge series with your class

Involving them in what challenges the class takes on will increase participation. Some tasks could be for the whole class and others individual.

The challenges are all about making it easy for everyone to live a little greener in ways that suit them and helps the environment. Become part of the movement to create a personalised green revolution for every child in your class and the environment. The main aim is for us all to find and provide a range of "little green nuggets", that children can choose from that best match their interests, desires and situation. Why not become part of the solution and tap into

How: have each student write or draw actions/tasks they might take to help their local environment. Have them put one idea per piece of scrap paper or post-it. If this is done without a class conversation you might be surprised what they can think of without having their ideas affected by others. Try it then have a class talk if ideas are not forthcoming.

- Get them to individually rank which ones appeal the most to them and they believe they would be able to do.
- Now have everyone share their ideas – on a big space in the middle of the circled up class – similar ideas can be grouped together.
- After some class discussion and explanations – have students choose a tasks they can each complete on their own.
- A class chart could be made to record all the challenges and accomplishments on. Have students record their accomplishments and each new task they take on. Are they school or home based?
- Are there tasks you can do as a whole class too? Work out how this can be measured so you all know when you succeed.

What about next week? And next month – plan with them how to keep it going over a few months. This way the habits/actions/tasks will become normal rather than one offs.



Activity 3

Save Trees by Making Your Own Recycled Paper

Objectives:

- Increase awareness of forest products and uses.
- Discover how important it is to recycle and how easy it is to make recycled paper.

Everyday we use something that is made from trees. One of the things we use most often — especially in school — is paper. Although paper can be made from a variety of natural materials including cotton, hemp, grass, banana plants, tobacco and even elephant dung in some parts of the world, paper is most often made from pulp that is produced by grinding up trees.

DID YOU KNOW... It takes about 20,000 trees to make the Saturday edition of a big-city newspaper? That's more than a million trees a year! Because paper is so important to us and because we use so much of it, we need to make sure we don't waste it. It only takes a second to use a paper napkin or tissue, but decades for a tree to grow. Fortunately, we can save trees by using less paper and by recycling paper. Here's how you can make your own homemade paper.

What You Need

- scrap paper &/or newspaper
- a blender or wire whisk
- water
- a bucket
- a big square pan that's at least 8 cm deep
- a piece of window screen that fits inside the pan
- an iron or rolling pin
- a measuring cup
- tea towels
- vegetable scraps or dye for colour



What You Do

1. Tear the scrap paper into tiny pieces and soak them in a bucket of hot water for about an hour. Put a handful of the soaked paper into the blender and mix until mush. Or if using a whisk, beat the mixture until it is a creamy pulp. Add a small amount of vegetable scraps or dye for colour (or even leaves or flax for added texture).
2. Pour the blended pulp into a measuring cup. Pour roughly 3 cm of water into the 8cm deep pan. Put the screen into the pan and pour one cup of the paper pulp onto the screen.
3. Spread the pulp evenly in the water with your fingers. It should feel kind of mushy. Lift the screen and let the water drain.
4. Lay the pulp-covered screen face down on a cloth (tea towel) or on some newspaper. Lift the screen away, leaving the paper pulp behind. Cover with another cloth (or more paper) and iron with a hot iron, or use a rolling pin to flatten and press out excess moisture. Let the pulpy paper dry for at least 24 hours.
5. Once it's dry, use the newly made paper to create greeting cards for your friends and family, or use it to write a letter to your member of parliament encouraging more recycling in your community.

