

# Enviroschools

# HAWKE'S BAY OUR REGION OUR WORLD

September 2017



Waste audit underway at Napier Intermediate School

## Census 2017

The nationwide Census will open on 16 October and run through till 24 November. We are keen to repeat the outstanding response from 2014. Your facilitator will work with you to complete this exercise. If you get your completed questionnaire in by 22 November you will go in the draw for a staff morning tea shout for your school or kindergarten.

*Ma pango, ma whero  
kia oti ai te mahi!*

**When all join forces,  
the work gets done.**



## Term 3 2017

Zero Waste – attaining a zero waste environment is something we can all work towards. Waste is a modern human product -

**There is no waste in nature!  
And there is also no away in nature.**

So when we throw it away, we still have to deal with it! You now have the updated Enviroschools resource Zero Waste to help you with this and along with your facilitator can get some great mahi underway.

Last term we welcomed Wairoa Primary and this term we welcome Twyford School in Hastings to our Hawke's Bay Enviroschools whanau.

A new facilitator in Central Hawkes Bay will start in term 4. I am pleased to announce that Kate Luff, resident of Waipawa, will be the new Enviroschools CHB facilitator. Kate will start in October and I will be introducing her to the CHB Enviroschools.

With her role getting even busier at Heretaunga Kindergarten Association Haana does not have the capacity for Enviroschools that she once did. However, we do hope to keep Haana in our ES waka to some degree in the future.

Enjoy the end of Term 3 and the lovely spring weather.

Mā te wā

Sally and the Hawke's Bay Enviroschools team



## Spring Time Hens, Chicks, Eggs

There is now an easy option to have chickens in your school or kindergarten. There are several choices from loan to buy. You may like to watch a few eggs in an incubator and watch them hatch or install a coop and enjoy fresh eggs. For all the contact details email [sally.chandler@hbrc.govt.nz](mailto:sally.chandler@hbrc.govt.nz)



# Zero Waste



## NEWS FROM NAPIER AND HASTINGS

### KAITIAKI

From Kelly Abraham, Barnardos Early Learning Centre Hastings.



In 2016 Hastings Barnardos Early Learning Centre became a Silver EnviroSchool. Now we are striving for Green-Gold. Recently the tamariki of our centre have become kaitiaki of the local Makerekere Stream and make regular trips to the area to promote its upkeep and care. The aim of this partnership is for children and their whānau to build a strong connection to the area, caring for it, and building a sense of pride and respect for our community.

This project gives our tamariki the opportunity to build skills and knowledge for a sustainable future, by allowing them to come up with creative ideas and ways to care for the environment, as well as taking a hands-on approach to cleaning and maintaining the waterways. We look forward to monitoring and documenting the progress we make over the next term and using it to gain a clearer picture of the impact our efforts are having on the area.



Thanks for picking up all this litter tamariki.

## REFUSING WASTE = REDUCED WASTE

A focus for several of our schools has been undertaking waste audits this term. Tamatea High, Napier Intermediate, Waimārama and Parkvale schools have all completed audits, with two more schools lined up. The accumulating data will give numeracy for the classroom and records of the schools' waste in both volume and cost.

The updated Zero Waste theme area is being used along with the Measuring Change Tool on the ES website. [www.measuringchange.org.nz](http://www.measuringchange.org.nz)

**I'll call the environment police!**

We love to hear this feedback... following time spent at Parkvale School Hastings during Matariki, Sonya Sedgewick received this feedback –

*Four Parkvale School students were walking to the shops, one of the students throws a can onto the road. A fellow student said, "Hey! You can't do that, its not Kaitiaki, Sonya said so! Pick it up or I'll call the environment police!" The can was retrieved. Go kaitiaki. We love this guardian for Papatūānuku, ka pai.*

If you have any kaitiaki stories you would like to share please get in touch.





## New Solar Panels at Napier Intermediate

by Jessie Cammock

Our 22 strong, student-led Schoolgen solar group has been working hard on the proposed installation of new solar panels at Napier Intermediate School.

This group was set in motion by our principal, Mrs Gray, who had asked if anybody was interested in investigating the worth of installing new panels, in order to generate more solar energy for the school. Currently, we have 12 solar panels (2kW) on the hall roof which were installed in 2009; we also have solar hot water in our technology block.



Students looking at the sun through their safety eclipse glasses.

Our investigation began by looking at how much energy our current solar panels generated, and what our future solar potential could be. This took weeks of hard work, meeting together every Thursday afternoon. Mr Clark (our caretaker) and the lovely Miss Phillips (teacher) helped us with the investigation and writing the proposal to our principal and the Board of Trustees.



A student measuring the angle of the sun for their investigation.

From our in-depth investigation, we proposed for there to be a further 70 panels installed on Totara block roof - which faces north west - covering 112m<sup>2</sup> in total. Installing this number of solar panels would generate approximately \$6,000.00 worth of electricity per year; that's a fair bit when you think about it! Our group also discussed steps to lower the power usage across the school, in order to decrease our environmental footprint further and increase financial savings.

It is so rewarding to feel that we have made a difference, and we look forward to seeing the results.

## News from Northern Hawke's Bay

### Mohaka School

While they continue to work on Zero Waste themes using the new kit, Mathematics, Literacy, Research skills and Problem Solving skills, in real life contexts, have been very much in evidence at Mohaka School.

The Seniors have been investigating the harmful chemicals around us in everyday life, and what alternatives there are. They have also successfully made eco-cleaning products using lemons, vinegar, water, baking soda and salt. Now they effectively clean their desk tops and whiteboards with a healthy lemony alternative to the smelly product previously being used. They were also very engaged in the activity "Transformers" on pages 40 to 43 of Zero Waste.





## TE MAHIA SCHOOL

### A Food Forest is taking shape

With the assistance and guidance of Shaked from the Koanga Institute and Jenni their Enviroschools facilitator, students have learnt and researched about soil, climate and fruit tree choices. Once the site was cleared the tree placement was marked out with stakes and tags before the planting began.

The food forest will be developed in stages and just like our NZ forests will need a canopy established before planting the sub-canopy trees, vines and low-level bushes. Each plant is carefully positioned in a guild so that plants that like to help each other are together or nearby. Eventually it will need very little maintenance.

Later on the Juniors planted some seeds to begin the under-story of the food forest. They have Comfrey, white Scottish Runner Beans, and Tagasaste (tree lupins) underway.



*"It's okay – I've got this! Grunt..." Hole digging was hard work in the kikuyu and couch grass which we decided NOT to spray!*



*Citrus likes a bit of moisture in the soil so it will be happy in this sunny spot at the bottom of the sloping site.*



*Mixing the fertiliser in with the subsoil is important for the long term survival of the fruit trees.*



*This almond tree is on a drier part of the slope. But the water line is nearby.*

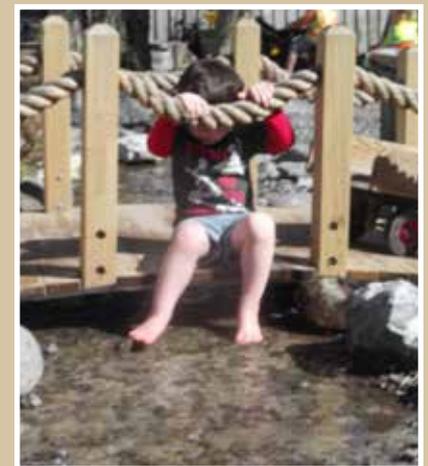
## NEWS FROM CENTRAL HAWKES BAY

### Lakeview Kindergarten

Lakeview's vision relates strongly to the Kaupapa of Enviroschools.

Lakeview Kindergarten's Kaupapa is for each child to learn through open-ended uninterrupted play within an environment that is calm, peaceful, mindful and sustainable. Our lawn was either too hard and dry in the summer or too wet and muddy in the winter. We altered our area and the photo shows what the children now have to explore, experiment in, role play and just relax. We all know how water has a calming effect on people and this is what this water feature has done for our environment and our tamariki.

*From the Lakeview Team, Heretaunga Kindergarten Assoc.*



### Tell us your Enviroschools story:

The Editor: Our Region Our World  
159 Dalton St / Private Bag 6006, Napier 4142  
Phone: (06) 833 8036  
email: [chandler@hbrc.govt.nz](mailto:chandler@hbrc.govt.nz)