

Te Awarua o Porirua Harbour and Catchment Community Trust

Education Programme Annual Report 2019



Everything in life is connected

The Trust's education programme is generously supported by the Philipp Family Foundation.
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Report prepared November 2019 by Rebecca McCormack (Education Coordinator)

INTRODUCTION

Te Awarua o Porirua Harbour is significant in many ways for the communities of Porirua and the wider catchment area. Issues and opportunities related to the health of our waterways provide rich and authentic contexts for young people to learn about, and connect with, their local environment. The ongoing generous support of the Philipp Family Foundation has enabled the Porirua Harbour Trust's education programme to provide support for teachers and students for the past five years.

Since the programme began in 2014, we have engaged with 49 of the 53 schools in the catchment, along with six early childhood education (ECE) centres. In 2019 we engaged directly with 25 schools and 4 ECE centres, including running teacher professional learning events, providing resources and equipment, and helping with advice and support for student trips and action projects. Students are involved in a huge range of learning programmes and projects (see Pg. 7-9 for more details), including:

- Enhancing local streams, beaches, and areas of native bush (stream testing, marine surveys, planting, bird surveys, animal pest control)
- Waste and pollution reduction plans (litter-free lunchboxes, stormwater drain labelling, role modelling sustainable transport)
- History and importance of the harbour to people, including advocating on behalf of communities (submissions to councils etc)
- Creative projects (murals, signs, drain art, poetry – contributing to The Current journal)

Our programme is dependent on successful collaboration with many other individuals and organisations. We regularly collaborate with other educators from EnviroSchools, Pātaka, Mountains to Sea Wellington, Sustainable Coastlines, Conservation Volunteers, Papa Taiao and many more. Our teacher professional learning opportunities are facilitated in collaboration with Amanda Dobson, EnviroSchools facilitator for Porirua.

We continue to have strong support from our councils (PCC, GWRC, WCC) and mana whenua (Ngāti Toa Rangatira), and would like to thank Porirua City Council and Greater Wellington Regional Council in particular, for their support and funding contributions this year.

One of our main projects in 2019 was the development of the second edition of The Current student journal. Led by a group of keen students, the journal contains a range of work, and sets will be distributed to primary schools around the catchment, to be used as a resource. We were lucky to have Esme Dawson on board again, to facilitate art workshops with students, and work on the overall design of the journal, which is stunning! More details about the project and a selection of photos are in this report.

Another major focus in the second half of this year has been working with the Department of Conservation (DOC), and other key stakeholders, to plan for a pilot project in 2020. This will be based on DOC's collaborative community education model, and will focus on the Western Porirua area of the catchment. Seed funding from DOC, along with continued funding from the Philipp Family Foundation, has enabled the Trust to increase Rebecca's hours for 2020, and contract Calisa Hippolite to work part-time on the project. Local schools and ECE are excited about the opportunities for student empowerment and leadership, along with strengthened connections between schools and the community.

TEACHER PROFESSIONAL SUPPORT

- Provide professional learning opportunities (PLD) and related resources for all schools in the catchment
- Advice and support for experiential learning activities, including suggested field trips; advice and support for student action projects.

GOALS (2019):

Engage with priority schools (schools still not engaged with programme), by offering a range of times and locations for teacher PLD and/or support. Continue to support engaged schools, by providing new PLD content, resources and links to community and council projects (for student action projects). Provide resources (maps, journals, books) and online support for teachers (PHT website, Padlet, Google docs etc) – print more catchment maps.

OUTCOMES 2019	GOALS and PLANS 2020
<p>Total schools engaged (running total since 2014): 49/53 Schools who have taken part in teacher PLD (2014 – 2019): 47 Newly engaged schools in 2019: Tawa Intermediate, Redwood School</p> <p>Schools who engaged with PHT coordinator in 2019: 25 (+ 4 ECE centres) Teacher PLD in 2019: 110 teachers, from 24 schools/ECE centres</p> <p>PLD events: One full day workshop (March) and one marine workshop (March). 3 after school nature walks (July, August, October). 2 full staff meetings, and one-off support for teachers at other schools.</p> <p>We continued the ‘Nature is our Classroom’ PLD, offering this to ECE, primary and secondary teachers in Western Porirua in March. This vertical approach, focusing on local issues and connections was effective for all teachers who attended.</p> <p>The new ‘Teacher Nature Walk’ concept was very popular, with 11 – 17 teachers attending each walk (with mostly different teachers each time), from schools and ECE across the catchment. The walks are an easy way for teachers to connect with each other and explore a new part of the catchment, and allowed me to easily distribute resources and check for any support needed by schools.</p> <p>Resources: Catchment map is now in 36 schools, with 50 more maps were printed in 2019. The first edition of The Current journal is now in 39 schools. Sets of the second edition will be distributed in late 2019 – early 2020. GWRC Stream kits: 4 schools, including field trip support for Tawa Intermediate. Continued to provide online resources (website and Padlet) to share with teachers.</p>	<p>Priority Schools (2020): Not engaged: Tawa School, Greenacres, Amesbury, Rewa Rewa Low engagement: Schools who haven’t engaged with us for a few years, or have not maintained a long-term connection to streams/harbour (see list at end of School Summary Table).</p> <p>Teacher Nature Walks will be held each term, in areas close to these schools, to make it easier for them to engage and access resources.</p> <p>Engaged Schools (wider catchment): Continue to offer support to interested schools, including attending staff meetings and inviting teachers to PLD in Western Porirua, where appropriate. Connect them with community and stakeholder resources.</p> <p>Western Porirua: The main focus for PLD in 2020 will be the Western Porirua schools and ECE centres, to support them to develop long-term and meaningful student projects in their local area. This will include within-school PLD (staff meetings and teacher only days), and across-school opportunities.</p> <p>Resources: Continue to distribute catchment maps, journals and any other relevant resources when meeting with teachers, with a particular focus on low engagement schools (deliver directly to these schools).</p> <p>Rebecca’s time will be allocated as: 20 hrs/week on Western Porirua project, and 5 hrs/week for all schools across the catchment.</p>

ENGAGE AND EMPOWER STUDENTS: CREATIVITY and ACTION

- Facilitate engagement with technical experts where applicable, such as scientists, council staff, and field trip providers; engage with key stakeholders.
- Advice and support for student action projects.
- Coordinate celebration events, publicity and partnerships e.g. creative arts projects and events.

GOALS (2019): Establish stronger links with DOC, WCC, Zealandia and community groups around the catchment.

Produce second edition of The Current student journal, working with up to 8 schools and a range of local community artists, writers etc.

Support student agency through collaboration with other stakeholders, to enable advocacy, action (planting etc) and community education.

OUTCOMES 2019	GOALS and PLANS 2020
<p>Creativity: The Current student journal We successfully secured funding from PCC and GWRC to run another student journal project this year, to produce the second edition of The Current. This allowed us to contract Esme Dawson (Pātaka) to facilitate student workshops and carry out the final design of the journal. A group of 13 students, from 5 schools, took part in after school workshops during Term 2. These included a range of experiences related to the harbour and various writing and art techniques. A total of 8 schools have student work included in this year's journal, and most of these schools took part in art or writing workshops within their school, with local mentors working alongside them. A celebration event for students, teachers, whānau, artists, writers and stakeholders will be held on December 6th, and copies of the journal will be distributed. <i>See photos on Pg. 6</i></p> <p>Student Agency and Action: Collaborated with Enviroschools, Mountains to Sea Wellington, GWRC, PCC, Pātaka, Conservation Volunteers, Papa Taiao and Sustainable Coastlines, to provide support for student action projects and events e.g. students planting natives and doing beach clean ups, loaning and using stream kits, supporting the Enviroschools student event, advice/support for transport, logistics and equipment.</p> <p>Department of Conservation (national office) have provided seed funding for a local Collaborative Community Education project, in Western Porirua. This will allow us to establish a student leadership team, who will lead the planning and implementation of conservation work for our local streams and the harbour, alongside key community stakeholders. Initial planning work has been carried out this year, from June – December.</p>	<p>The focus for creative projects, events and student action in 2020 will be in the Western Porirua area. This will allow Rebecca to work more closely with students and the community, to enable authentic opportunities for leadership and student agency. A key connection with local iwi has been established, and will be maintained through contracting Calisa Hippolite to act in the mana whenua role, as the Kaiārahi, working alongside Rebecca.</p> <p>Key stakeholders have agreed to work towards a shared vision: <i>Empowering young people of Porirua to connect with, revitalise and protect te taiao.</i></p> <p>Student leadership team (reps from each of the five schools) will develop their own vision and goals, and a name for the project, in early 2020.</p> <p>The role of the strategic group (adult reps from PCC, GWRC, DOC, PHT, Ngāti Toa, Enviroschools and teachers) is to enable the students to realise their vision, by supporting them with advice, connections to their organisations and strategic planning (funding, evaluation etc).</p> <p>What might this project look like? Connect – regular time learning/exploring outside, creative projects, sense of place (history, ecology, community). Revitalise – investigate/plan/carry out actions: clean up areas, make homes for animals, plant natives, remove weeds/pests. Protect – monitor, educate whānau and community, motivate peers, advocate for streams/harbour (at local and national level).</p>

**Porirua Harbour Trust
Teacher Professional Learning 2019**



THE CURRENT

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A student journal about Te Awarua-o-Porirua Harbour



SCHOOL SUMMARY TABLE – Updated November 2019

This table includes all of the schools in the Porirua Harbour catchment area (53 in total), and shows the level of engagement with the Trust's education programme, as well as other relevant environmental education programmes. Note: information is only based on Rebecca's interactions with schools.

Table Key:

Enviroschool: region-wide environmental education programme.

MTSW: Mountains to Sea Wellington, includes Healthy Harbours Porirua and Whitebait Connection programmes (field work, class sessions, action projects)

Porirua Harbour Trust education programme: PLD = teacher professional learning and development, Map = school has copies of catchment map.

Highlighted schools are low engagement schools – try to engage in 2020.

Highlighted schools are part of Western Porirua project in 2020.

School	Location	Year Levels	Decile	Enviroschool	MTSW	PLD 2014-15	PLD 2016	PLD 2017	PLD 2018	PLD 2019	Art Projects	Have journals	Map	Learning Programme (including Field Trips)	Action Projects
Cannons Creek	P.East	1 - 6	1											Healthy Harbours (T1, 2016)	2017: Working with Partners Porirua on Cannons Creek Lake project.
Glenview	P.East	1 - 6	1											Healthy Harbours T 1 2017 (stormwater focus)	Planting around Cannons Creek. Stormwater drain monitoring.
Holy Family	P.East	1 - 6	1											Healthy Harbours (T4, 2014)	Kenepuru Strm (planting).
Maraeroa	P.East	1 - 6	1												
Natone Park	P.East	1 - 6	1											Healthy Harbours 2018	Rubbish clean ups (and auditing) at Te Awa Iti in Bothamley Park.
Porirua East	P.East	1 - 6	3											Healthy Harbours 2018	Stream testing
Russell	P.East	1 - 6	1											Estuaries unit (whole school), trip to Motukaraka Pt (2015)	
Corinna	P.East	1 - 8	1								'16			Ongoing integrated learning at all levels – Kenepuru strm, harbour.	Planting at Bothamley Park and within school. Submissions to PCC.
Windley	P.East	1 - 8	1											Healthy Harbours (2015), trip to Pāuatahanui Reserve.	Kenepuru Strm (planting), Drain labels near school (2017). Local clean ups.
Rangikura	Ascot Park	1 - 8	2								'17			Healthy Harbours 2016 - 2018	Planting, stream testing, trapping.

School	Location	Year Levels	Decile	Enviroschool	MTSW	PLD 2014 - 15	PLD 2016	PLD 2017	PLD 2018	PLD 2019	Art Project	Have Journals	Map	Learning Programme (including Field Trips)	Action Projects
Tairangi	Waitangirua	1 - 8	1												
Adventure	Whitby	1 - 8	10											Freshwater studies with MTSW – Pāuatahanui Stream, Inlet/Reserve	Whitby Lake clean-up. Protecting inanga (Pāuatahanui Stream)
Discovery	Whitby	1 - 8	10											Enviro-group active within school, some senior classes integrating.	Planting (Bothamley Park, school grounds), stream testing.
Postgate	Whitby	1 - 8	3											Visiting local stream (2018)	Stream testing at local stream. Stormwater education.
Pāuatahanui	Pāuatahanui	1 - 8	10											Pāuatahanui Wildlife Reserve.	Pest control.
Plimmerton	Plimmerton	1 - 8	10											Healthy Harbours (2015), Taupo Stream water testing	Beach clean ups. Mural.
St Theresa's	Plimmerton	1 - 6	10								all			Healthy Harbours (2015), Taupo Stream. Art Project (puppets).	Clean-up and weed removal in Taupo Stream. Waste-free lunches
Paremata	Paremata	1 - 8	9								'16 '17			Healthy Harbours 2017	GWRC planting, wetland planting in school. Drain labels. Pest control.
Papakowhai	Papakowhai	1 - 8	10								'19			Focus on P.stream and harbour each year.	Drain art, mural, planting, animal pest control, rubbish clean ups.
Pukerua Bay	Pukerua Bay	1 - 8									'16			2016: Focus on local environment, stream (Yr 7/8)	Drains are for Rains, labelling stormwater (PCC/Enviroschools)
St Pius X	T. Bay	1 - 6	4											Still in planning phase.	Keen to help with local planting.
Titahi Bay	T. Bay	1 - 6	4								'17			T2 2017: Whole school focus on water (seniors doing HHP).	Planting at Kahotea Strm, stormwater drain art, beach clean up
Ngāti Toa	T. Bay	1 - 6	4								'19			Healthy Harbours (T4), Hukarito Stream.	Hukarito Stream restoration (ongoing project from end of 2015)
Titahi Bay North	T. Bay	1 - 8	3								'16			Healthy Harbours (2015/16) Whole school focus in 2016.	Kahotea Stream project– ongoing monitoring, growing natives.
Porirua	Elsdon	1 - 6	2								'16 '17			Healthy Harbours (2015), Mahinawa Stream	Harbour clean ups and involved with Mahinawa Strm restoration.
Wellington SDA	Porirua	1 - 8	2											2018 Stream testing Porirua Stream	Rubbish clean ups, stream testing, community education.
Linden	Tawa	1 - 6	4											Workshop with Gillian Candler 2018	School veg gardens, interested in connecting with P. Strm

School	Location	Year Levels	Decile	Enviroschool	MTSW	PLD 2014 - 15	PLD 2016	PLD 2017	PLD 2018	PLD 2019	Art Projects	Have Journals	Map	Learning Programme (including Field Trips)	Action Projects
Greenacres	Tawa	1 - 6	9												
Hampton Hill	Tawa	1 - 6	6											Healthy Harbours (2015), Porirua Stream	Waste reduction and clean ups. Grasslees reserve bins (letter to WCC)
St Francis Xavier	Tawa	1 - 6	9											Some work on local stream/catchment.	Students designed/produced board games about tuna (native eels)
Redwood	Tawa	1 - 6	10								'19			Senior students visited Harbour 2018	Planned action: educate community about stormwater pollution.
Tawa	Tawa	1 - 8	7												
Amesbury	Churton Park	1 - 6	10											Some involvement with Enviroschools.	
Churton Park	Churton Park	1 - 6	10											2017: Whitebait Connection	Stream clean ups, community education about Stebbings stream.
Johnsonville	J'ville	1 - 6	9											Enviroschool.	Waste reduction.
St Brigids	J'ville	1 - 8	9								'16 '17			Senior school focus on local stream/catchment (16/17).	Stream testing, clean ups. Pest trapping, rubbish-free lunchboxes.
Paparangi	Paparangi	1 - 6	10											2016: Local stream study 2017: Whitebait connection	Native planting in school, waste reduction (Green-Gold Enviroschool).
Rewa Rewa	Newlands	1 - 6	10											Teacher signed up to Oct. PLD but was unable to attend.	
Newlands	Newlands	1 - 6	8											Planning to engage with Belmont Stream more.	
Bellevue	Newlands	1 - 6	8											Planning to engage with Belmont Stream more.	
Intermediate															
Brandon Inter.	P. East	7 - 8	1											Healthy Harbours T4 2016	2017: Cannons Creek fish passageway project (LTP submission)
Titahi Bay Inter.	T. Bay	7 - 8	4											Healthy Harbours since 2015 – annual snorkel, some projects.	2017: HHP, stormwater focus. Signed on to W.Porirua project for 2020.
Tawa Inter.	Tawa	7 - 8	8								'19			2019 Yr 7 class: Stream monitoring, learning about local history/ecology.	Class market day – research, design of sustainable products.
Newlands Inter.	Newlands	7 - 8	9												Belmont Stream planting project.

School	Location	Year Levels	Decile	Enviroschool	MTSW	PLD 2014 - 15	PLD 2016	PLD 2017	PLD 2018	PLD 2019	Art Projects	Have Journals	Map	Learning Programme (including Field Trips)	Action Projects
Bishop Viard	Porirua	7-13	1											Mentor programme, small group (Jnrs and Snrs)	Rubbish clean up along Porirua Stream (Conservation Volunteers)
Whitby Collegiate	Whitby	7-13	n/a											Healthy Harbours (2015), with senior PE class.	
Aotea College	Aotea	9-13	5											Healthy Harbours (2016). Plans for integrated project 2018.	2017 – 2019: Papa Taiao projects (pest control, planting etc).
Mana College	Elsdon	9-13	3											Integrated programmes relating to harbour and stream (2016-17). MTSW working with them in 2019 – 2020.	Mahinawa Stream restoration, fencing project. Plans to start plant nursery.
Porirua College	P. East	9-13	3											Yr 9 Sci Term 1 (2016) – history of catchment area. Integrated/cross-curricular work began 2019.	Growing, planting natives. Working on Cannons Creek Lakes project.
Tawa College	Tawa	9-13	8											Yr 9 Sci/SS Harbour unit each year (2015 - 2017) 2016: Bio class focus on Porirua Stream.	Stream testing (Porirua & Belmont). Drain labels (2017). Planting.
Newlands College	Newlands	9-13	9											2019: junior and senior students connecting with Belmont Stream.	Stream testing (Belmont Stream). Pest control, weta hotels etc.
All Levels															
Te Kura Māori o Porirua	P. East	1-13	3								'16 '19			Healthy Harbours (2015). Stream project in 2017.	Planting at Bothamley Park. Ongoing project to restore local stream (monitoring, planting etc).
Mahinawa Specialist	Porirua	1-13	5												

Low engagement schools (try to engage in 2020):

Not engaged: Tawa School, Greenacres, Amesbury, Rewa Rewa, Mahinawa Specialist School

Low engagement: Holy Family, Maraeroa, Porirua East, Russell, Tairangi, Linden, St Francis Xavier, Bishop Viard, Whitby Collegiate

Western Porirua Schools and ECE for 2020 project:

Mana College, Titahi Bay Intermediate, Titahi Bay School, Porirua School, Ngāti Toa School; Te Puna Mātauranga

ECE: Titahi Bay Kindergarten, Katoa Kindergarten, All About Children, Te Puna Reo o Ngāti Toa (up to two more TBC)