

Biodiversity • Sustainability • Infrastructure

Learning Through Action

Education for Sustainability LEOTC
Free Programmes for Schools

ccc.govt.nz/learningthroughaction



Mā te taiao kia rauora ai tōu ora
Let nature in: Strengthen your wellbeing

There's no substitute for real world experience.

Programme location map

Learning Through Action programmes are available at the following core sites (for alternative sites please contact us):



Interactive Map: ccc.govt.nz/map-of-programme-locations

More information

Check our website for updates and for more information regarding the content of our programmes (including RAMS):

- ccc.govt.nz/learningthroughaction
- Phone 03 941 8999
- Email LTA@ccc.govt.nz

To book a programme, follow the link below. Please fill in a separate form for each session.

ccc.govt.nz/learningthroughaction/booking





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Learning Through Action

Education for Sustainability LEOTC Free Programmes for Schools

The Christchurch City Council offers a range of environmental and city infrastructure programmes that are **free to schools**. These programmes provide relevant and authentic learning experiences through hands on activities.

Learning areas covered in the programmes include: sustainability, climate change, biodiversity, geology, waste management, water conservation, civil defence, and local government.

This booklet briefly describes the programmes available to teachers and students.

For further details of programmes including programme outlines, **links to the NZ Curriculum and RAMS** please visit the Christchurch City Council's Learning Through Action website:

ccc.govt.nz/learningthroughaction

Our programmes cater for students from new entrants to Year 13. Learning Through Action Programmes are supported by the Ministry of Education. The Christchurch City Council Education Team is a Learning Experiences Outside The Classroom (LEOTC) provider.

To book any of the programmes in this booklet please fill in **a separate form for each session you are booking**.

Book online at:

ccc.govt.nz/learningthroughaction/booking

Beach and Shore Habitats



Coastal Management – *Taku tai, takutai*

Students investigate the Christchurch coastal environment and discover how it has evolved through coastal processes and human responses. They will build their own beach profile using coastal management techniques and engage in roleplay to showcase their learning.

Year level	Year 9–13
Curriculum level	4–8
Availability	Available year round
Times	To be arranged with Ranger (duration 2.5–3 hours)
Site	North New Brighton Beach and New Brighton Beach
Cost	Free
Student numbers	Maximum of 35 students

Beach and Shore Habitats



On the Rocks – *Te toka tai moana*

Explore the rocky seashore and intertidal zone for creatures at Taylors Mistake or Sumner Beach. Students discover the amazing adaptations these life forms have made to survive in the coastal environment, and put their creative thinking to work with a design-a-creature challenge.

Year level	Year 3–8
Curriculum level	1–5
Availability	Available year round
Times	2 ½ hours between 10am and 2pm (tide dependent)
Site	Taylors Mistake Beach or Sumner Beach
Cost	Free
Student numbers	Maximum of 35 students



Saving the Sand Dunes – *Kia ora ai te tāhuhua*

How do sand dunes work to protect the coastal environment? In this programme students investigate the biodiversity and erosion process of the dune system, and engage in hands-on learning to create their own mini sand dunes.

Year level	Year 3–8
Curriculum level	1–4
Availability	Available year round (tide dependent)
Times	9.30–11.30am or 12.30–2.30pm
Site	Spencer Park Beach, Waimairi Beach, North New Brighton Beach, New Brighton Beach, South Brighton Beach and Sumner Beach
Cost	Free
Student numbers	Maximum of 35 students



Searching the Shoreline – *Te ara rau o Tangaroa*

What's on the beach? What gets washed up and what shouldn't be there? This is a chance for students to investigate objects on the beach – natural and unnatural – and identify ways that they can contribute to sustainable coastal areas.

Year level	Year 0–4
Curriculum level	1–3
Availability	Available year round (tide dependent)
Times	9.30–11.30am or 12.30–2.30pm
Site	Spencer Park Beach, Waimairi Beach, North New Brighton Beach, New Brighton Beach, South Brighton Beach and Sumner Beach
Cost	Free
Student numbers	Maximum of 35 students

City Water and Waste



All Flushed Out – *Heketua; ka heke ki whea?*

What are the three main waterway systems in Christchurch? How do we contribute to them? Students explore the fascinating wastewater journey at the Christchurch Treatment Plant, including finding out what happens to everything that goes down the drain. Be prepared for a revival of the senses – this can be a smelly one!

Year level	Year 5–13
Curriculum level	2–8
Availability	Available year round
Times	9.30am–12noon or 12.15–2.30pm
Site	Christchurch Wastewater Treatment Plant
Cost	Free
Student numbers	Maximum of 35 students
Requirements	Closed in shoes must be worn

Please note special adult: student ratios on our website
Contact LTA@ccc.govt.nz for further details



A Waste of Time – *Hangaruatia*

Ever wondered what happens to your recycling after it is collected from the kerbside? Where does it go, and what is it recycled into? On this programme students learn about the reduce, reuse and recycle aspects of the waste management hierarchy at three key sites: EcoSort, EcoDrop, and EcoShop.

There are special parking requirements for this programme.

Year level	Year 5–13
Curriculum level	2–8
Availability	Available year round
Times	9.15–11.45am or 12.15–2.30pm
Site	EcoSort (Parkhouse Road Materials Recovery Facility – MRF), EcoDrop Parkhouse Rd (EcoDepot/Refuse Station) and EcoShop
Cost	Free
Student numbers	Maximum of 35 students
Requirements	Closed in shoes must be worn



Casting Magic with Worms – *Noke, noke, neke, neke, nuku, nuku, nā!*

Even worms are doing their thing for the environment! A programme aimed at junior students to discover the important role worms can play in our waste management system. Students search for worms, create their own mini worm farm to take back to school, and learn how to care for these amazing creatures.

Year level	Year 0–4
Curriculum level	1–2
Availability	Available year round
Times	9.30–11.30am or 12.30–2.30pm
Site	EcoDepot/EcoDrop (Metro Place) or Curators House (Botanic Gardens)
Cost	Free
Student numbers	Maximum of 30 students
Requirements	Each student needs to bring a 1.5 or 2 litre plastic bottle ready for reusing. Closed in shoes must be worn.

City Water and Waste



Fertilising for the Future – *Ka whakatō te wairākau mō āpōpō*

Learn the science behind using organic waste as a resource by turning it into natural fertiliser! Students investigate hot heap composting techniques. You can then choose between vermicomposting to learn about worm farming and harvesting liquid fertiliser, or EM Bokashi to discover the secrets of anaerobic fermentation of food scraps – students will follow a recipe to create Bokashi fertiliser to take back to school or home. **There are special parking requirements for this programme.**

Year level	Year 4–13
Curriculum level	2–8
Availability	Available year round
Times	9.15–11.45am or 12.15–2.30pm
Site	Ecodepot/EcoDrop (Metro Place)
Cost	Free
Student numbers	Maximum of 35 students
Requirements	Closed in shoes must be worn



Watch your Waste – *Kia mataara ki tāu para*

Investigate effective waste minimisation and management processes through a visit to two key sites in Christchurch. At the Organics Processing Plant students will see where the green bin contents are processed, resulting in organic composting on a massive scale. Then, an opportunity to witness the drop zone in action at EcoDrop to see unnecessary waste being taken to landfill. Students will put their understanding to the test in a final challenge to reduce, reuse and recycle. **There are special parking requirements for this programme.**

Year level	Year 3–13
Curriculum level	2–8
Availability	Available year round
Times	9.30–11.45am or 12.15–2.30pm
Site	Organic Processing Plant (OPP), EcoDrop (Metro Place)
Cost	Free
Student numbers	Maximum of 35 students
Requirements	Closed in shoes must be worn



Water for Life – *Te wai ora o Tāne*

Students learn how to be waterwise at one of Christchurch’s water pumping stations. They will investigate the importance of valuing water as a precious resource, compare water use around the world, and take a tour of the pumping station. Students can continue their learning at school with a Christchurch City Council water diary and mathematical challenge.

Year level	Year 5–13
Curriculum level	2–8
Availability	Available year round
Times	9.30–12noon or 12.15–2.30pm
Site	Main Water Pumping Station, Colombo Street
Cost	Free
Student numbers	Maximum of 35 students

Local Government – Participatory Democracy

Our Local Government programmes are designed to be complementary. Book one or both.



Our City, Ōtautahi – Tō tātou taone

Learn how Christchurch City Council works to make Christchurch a sustainable, fun and liveable city through a visit to Te Hononga, the central headquarters in town. Students will gain an understanding of what Council does, meet experts who work here, and take on a decision-making role as they plan how to spend ratepayers' money. We conclude with a visit to Council Chambers to see where key local government decisions are made.

Year level	Year 5–13
Curriculum level	2–8
Availability	All year round, Monday or Friday (or by arrangement)
Times	9.30am–12noon or 12.15–2.30pm
Site	Christchurch City Council Civic Building (Te Hononga)
Cost	Free
Student numbers	Maximum of 35 students
Requirements	Minimum 4 weeks notice required when booking



Have Your Say – Nāu te kii

How can you have a say in local government decisions? What if you have a great idea for Christchurch that you want to share? In this programme students discover key ways they can make a difference, vote in a mock local election, learn about community boards, and build their significant democratic voice as youth of our city.

Year level	Year 7–13
Curriculum level	3–8
Availability	All year round
Times	By arrangement – a minimum of 2 hours is required
Site	At your school
Cost	Free
Student numbers	Maximum of 35 students

Climate Change



Future Proof: Climate Change – Kaitiakitanga

What is climate change and how will it affect our city? Help to "future proof" our planet through fun activities that investigate how we can respond to climate change. Students will learn about the role of transport, energy, food and clothing, and leave the programme feeling empowered to make a difference.

Year level	Year 5–13
Curriculum level	2–8
Availability	All year round
Times	9:30am–12noon or 12:15–2:30pm
Site	By arrangement – please enquire
Cost	Free
Student numbers	Maximum of 35 students

Geology



Rocky Road of Discovery – *Te ara werowero ki te māramatanga*

Take a journey back through time to see how the quarry was formed over millions of years! Explore the local wetland environment, learn how resources have traditionally been used, and discover how we can all protect and enjoy our regional parks today.

Year level	Year 3–10
Curriculum level	2–6
Availability	Available year round
Times	9.30am–12noon or 12.15–2.30pm
Site	Halswell Quarry Park
Cost	Free
Student numbers	Maximum of 35 students

Waterways and Wetlands



Freshwater Frolicking – *Te whawhewhawhe ki rō waimāori*

Ever wondered what lives in our freshwater reserves? Students go pond-dipping to identify a range of stream invertebrates and explore the wider food chains and life cycles. They consider the importance of freshwater biodiversity, as well as investigating the impact of human choices on the sustainability of our ecosystems.

Year level	Year 3–8
Curriculum level	1–5
Availability	Available year round
Times	9.30–11.45am or 12.30–2.30pm
Site	The Groynes
Cost	Free
Student numbers	Maximum of 35 students



Wetlands, Waders and Water Boatmen – *Ngā kaitia, ngā kaikauhoe me ngā kūkūtai*

Take a trip to Ōruapaeroa Travis Wetland – Christchurch’s largest freshwater wetland and a precious habitat for native wetland plants and creatures. Students learn about the importance of wetlands, and explore the local biodiversity. Go pond-dipping to discover underwater species, get behind a pair of binoculars to observe the bird life, and consider the potential human impact on food chains.

Year level	Year 3–10
Curriculum level	1–5
Availability	Available year round
Times	9.30am–12noon or 12.15–2.30pm
Site	Travis Wetland Reserve
Cost	Free
Student numbers	Maximum of 35 students
Requirements	In wet conditions, gumboots are recommended

Biodiversity



Creative and Native – *He rerehua, he taketake*

Students investigate how and why New Zealand biodiversity has changed over time. Students explore scientific terms around the origin status of our biodiversity, identify native trees and plants, and become a flock of migratory birds to consider the challenges facing the sustainability of natural habitats.

Year level	Year 5–10
Curriculum level	2–6
Availability	Available year round
Times	9.30am–12noon or 12.15–2.30pm
Site	Christchurch Botanic Gardens or Halswell Quarry Park
Cost	Free
Student numbers	Maximum of 35 students



Forest Explorer – *He uri a Tāne*

Let's explore the forest! Identify native and introduced species, build a shelter, and get up close with a squirmy huhu grub. Tamariki engage with some of our beautiful greenspaces, learning about local nature through a rich experience in the outdoor wilderness. Survive the outdoors by connecting deeply with it.

Year level	Year 3–8
Curriculum level	2–5
Availability	Available year round
Times	9.30–11.45am or 12.30–2.30pm
Site	Bottle Lake Forest Park or Spencer Park
Cost	Free
Student numbers	Maximum of 35 students



Freshwater Frolicking – *Te whawhewhawhe ki rō waimāori*

Ever wondered what lives in our freshwater reserves? Students go pond-dipping to identify a range of stream invertebrates and explore the wider food chains and life cycles. They consider the importance of freshwater biodiversity, as well as investigating the impact of human choices on the sustainability of our ecosystems.

Year level	Year 3–8
Curriculum level	1–5
Availability	Available year round
Times	9.30–11.45am or 12.30–2.30pm
Site	The Groynes
Cost	Free
Student numbers	Maximum of 35 students

Biodiversity



Junior Park Explorers – Ngā kairangahau paaka

The regional parks come alive as students awaken their senses to explore the awe and wonder of the natural world. They learn to listen to different bird calls, feel the different parts of a tree and see bugs in their natural habitat. Through these activities, students understand how birds, bugs and trees are all connected.

Year level	Year 0–2
Curriculum level	1–2
Availability	Available year round
Times	9.30–11.45am or 12.15–2.30pm
Site	The Groynes, Christchurch Botanic Gardens, Halswell Quarry, Victoria Park, Spencer Park, Travis Wetland or local parks by negotiation
Cost	Free
Student numbers	Maximum of 35 students



Park Detectives – He whatu kāhū, he tōu tīrairaka

Students develop their detective skills in learning why our local parks are so important. Hands on activities enable them to describe the key roles of birds, bugs and trees in balanced ecosystems. Students then engage in a problem-solving process to propose action for a sustainable future!

Year level	Year 3–6
Curriculum level	1–4
Availability	Available year round
Times	9.30am–12noon or 12.15–2.30pm
Site	Christchurch Botanic Gardens, Halswell Quarry Park, Travis Wetland Reserve, the Groynes
Cost	Free
Student numbers	Maximum of 35 students



Native Nurturing – Manaaki whenua

Explore the contrasting landscapes of the Port Hills at Victoria Park! Discover how the unique Port Hills environment has changed over time and take a multi-sensory walk through majestic Podocarp forest. Students get up close and personal with pests to consider their impact on our native and endemic species, and have the opportunity to learn about tracking and trapping methods used by Park Rangers.

Year level	Year 3–10
Curriculum level	1–6
Availability	Available year round
Times	9.30am–12noon or 12.15–2.30pm
Site	Victoria Park
Cost	Free
Student numbers	Maximum of 35 students

Biodiversity



Wetlands, Waders and Water Boatmen – *Ngā kaitia, ngā kaikauhoe me ngā kūkūtai*

Take a trip to Ōruapaeroa Travis Wetland – Christchurch’s largest freshwater wetland and a precious habitat for native wetland plants and creatures. Students learn about the importance of wetlands, and explore the local biodiversity. Go pond-dipping to discover underwater species, get behind a pair of binoculars to observe the bird life, and consider the potential human impact on food chains.

Year level	Year 3–10
Curriculum level	1–5
Availability	Available year round
Times	9.30am–12noon or 12.15–2.30pm
Site	Travis Wetland Reserve
Cost	Free
Student numbers	Maximum of 35 students
Requirements	In wet conditions, gumboots are recommended

Adult:student ratios by programme and year level grouping

Learning Through Action Programme	Year levels attending				
	Years 1–3	Years 4–6	Years 7–8	Years 9–10	Year 11+
All Flushed Out ON HOLD	N/A	1:5 (Years 5–6 only)	1:6	1:8	1:10
A Waste of Time	N/A	1:6 (Years 5–6 only)	1:8	1:10	1:15
Casting Magic with Worms	1:5	1:6 (Year 4 only)	N/A	N/A	N/A
Coastal Management	N/A	N/A	N/A	1:10	1:15
Creative and Native	N/A	1:7 (Years 5–6 only)	1:8	1:10	N/A
Fertilising for the Future	N/A	1:6	1:8	1:10	1:15
Forest Explorer	1:6 (Year 3 only)	1:6	1:8	N/A	N/A
Freshwater Frolicking	1:5 (Year 3 only)	1:6	1:8	N/A	N/A
Future Proof: Climate Change	N/A	1:7 (Years 5–6 only)	1:8	1:10	1:15
Have Your Say	N/A	N/A	1:8	1:10	1:15
Junior Park Explorers	1:5 (Years 0–2 only)	N/A	N/A	N/A	N/A
Native Nurturing	1:6 (Year 3 only)	1:6	1:8	1:10	N/A
On the Rocks	1:5 (Year 3 only)	1:6	1:8	N/A	N/A
Our City, Ōtautahi	N/A	1:6 (Years 5–6 only)	1:8	1:10	1:15
Park Detectives	1:6 (Year 3 only)	1:6	N/A	N/A	N/A
Rocky Road of Discovery	1:6 (Year 3 only)	1:6	1:8	1:10	N/A
Saving the Sand Dunes	1:6 (Year 3 only)	1:6	1:8	N/A	N/A
Searching the Shoreline	1:5	1:6 (Year 4 only)	N/A	N/A	N/A
Watch Your Waste	1:5 (Year 3 only)	1:6	1:8	1:10	1:15
Water for Life	N/A	1:6	1:8	1:10	1:15
Wetlands, Waders and Water Boatmen	1:5 (Year 3 only)	1:6	1:8	1:10	N/A

Civil Defence Emergency Management (CDEM)

Civil Defence Emergency Management Education Programmes – Stan's Got a Plan

Here in Christchurch we are all too aware of natural disasters. The Christchurch City Council provides an education programme called 'Stan's Got a Plan' to supplement the delivery of Civil Defence Emergency Management education in the classroom.



The programmes focus on one of the following events selected from:

- Earthquake
- Flooding
- Pandemic
- Tsunami
- Storm

Programmes are tailored specifically to the age of the students and are delivered in a sensitive and caring manner. The purpose of these programmes is to educate children so that they feel empowered, and prepared.

Programmes are FREE of charge and are offered at junior (Years 0–3), middle (Years 4–6) and senior levels (Years 7–13). **Please note CDEM programmes are run at your school.**

Year level	Year 0–13
Curriculum level	1–8
Availability	Available year round
Times	9–10.30am, 11am–12.30pm or 1.30–3pm
Site	At your school
Cost	Free
Student numbers	Maximum of 35 students per session



Bookings: To make a booking, please fill in a separate online booking form for each class attending. Book online at ccc.govt.nz/learningthroughaction/booking



Christchurch Civil Defence Emergency Management

For more information regarding Civil Defence Emergency Management programmes, phone **03 941 8999**, email LTA@ccc.govt.nz, or visit:

ccc.govt.nz/stansgotaplan

To check out our Civil Defence Facebook page, please visit:

facebook.com/ChristchurchCDEM



Environmental Calendar of Events

JANUARY	FEBRUARY	MARCH
<ul style="list-style-type: none"> ● Community Working Bees 	<ul style="list-style-type: none"> ● World Wetlands Day 	<ul style="list-style-type: none"> ● Farewell to the Godwits ● Sea week ● International Day of Forests ● Parks Week
APRIL	MAY	JUNE
<ul style="list-style-type: none"> ● World Health Day ● International Earth Day ● World Fish Migration Day 	<ul style="list-style-type: none"> ● Mother of All Clean Ups ● World Migratory Bird Day ● International Day for Biological Diversity 	<ul style="list-style-type: none"> ● Garden Bird Survey ● Matariki – Māori New Year ● World Environment Day: Arbor Day ● World Oceans Day
JULY	AUGUST	SEPTEMBER
<ul style="list-style-type: none"> ● KidsFest ● World Population Day 	<ul style="list-style-type: none"> ● World Water Week 	<ul style="list-style-type: none"> ● Keep NZ Beautiful Week ● The Great Kererū Count ● NZ Conservation Week ● World Rivers Day ● International Day of Peace
OCTOBER	NOVEMBER	DECEMBER
<ul style="list-style-type: none"> ● NZ ShakeOut ● International Day for Disaster Reduction ● World Food Day 	<ul style="list-style-type: none"> ● World Tsunami Awareness Day ● International Buy Nothing Day ● World Fisheries Day 	<ul style="list-style-type: none"> ● Human Rights Day ● International Mountain Day

● = Local event ● = National event ● = International event



Other CCC Programmes Available to Schools

DogSmart

DogSmart is a free 45 minute interactive presentation available to schools.

For more information and to book:

Phone: **03 941 7046**

Web: ccc.govt.nz/dogsmart-school-programme/

Graffiti Programme

Learn about what the Graffiti Programme does and why we do it through our free interactive presentation tailored to meet the needs of your class.

For more information and to book:

Phone: **03 941 8999**

Email: GraffitiProgramme@ccc.govt.nz

Christchurch City Libraries

Developing confident, creative and collaborative learners through our dynamic technology based programmes.

For more information and to book:

Phone: **03 941 5140**

Email: learningcentre@ccc.govt.nz

Web: my.christchurchcitylibraries.com/schools

Christchurch Art Gallery Te Puna o Waiwhetū

Our art education programmes offer students first-hand experiences with real works of art. We offer guided tours, hands-on practical activities and workshops for all school levels.

For more information and to book:

Phone: **03 941 7373**

Email: schools@christchurchartgallery.org.nz

Web: christchurchartgallery.org.nz/education/

Cycle Safe

Cycle Safe is a cycle skills education programme targeting Year 6 students. Students learn the benefits of cycling and how to ride with confidence and be road-wise.

For more information and to book:

Phone: **03 941 8999**

Email: cyclesafe@ccc.govt.nz

Web: ccc.govt.nz/cyclesafe

Travel Choice

Travel Choice works with schools developing practical approaches to promote safer, healthier and more sustainable travel options for school journeys.

For more information regarding Travel Choice:

Phone: **03 941 8999**

Email: TransportEducation@ccc.govt.nz

School Travel Plan

Web: ccc.govt.nz/getting-to-school

Crash Bash

Crash Bash is an educational road safety programme toured as a contemporary stage performance to secondary school students in years 11-13 in Christchurch and parts of Canterbury. The interactive performance communicates to students the importance of making safe choices for themselves and others when driving. Crash Bash is organised by Christchurch City Council in collaboration with NZ Police and Students Against Dangerous Driving (SADD).

For further information contact Angela McDonnell:

Phone: **03 941 8379 or 027 4033158**

Email: Angela.McDonnell@ccc.govt.nz

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