

Limestone Coast Landscape Board's

Landscape Education

Teacher Information Pack 2023



Foreword

I was fortunate to grow up alongside Bool Lagoon Game Reserve and Mary Seymour Conservation Park with nature-loving parents. An elderly naturalist and family friend, Reg Attiwill, would pick me up most Sundays and take me bird watching, orchid spotting and assisting with his photography. Most children do not grow up with their own nature guide nor access to natural habitats on their doorstep. The Limestone Coast Landscape Board's Landscape Education program provides the opportunities I enjoyed, stimulating young enquiring minds, building knowledge and passion for the environment through immersion and setting students on a path caring for the landscape in which they live. Thank you for your interest in the program and I trust you and your students will find it as fulfilling as we do delivering it.



Steve Bourne
General Manager Limestone Coast Landscape Board

"The only way forward, if we are going to improve the quality of the environment, is to get everybody involved." – Richard Rogers

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Who are we?

Limestone Coast Landscape Board's Landscape Education program is an integrated program which offers free activities and support to schools in the Limestone Coast region.

This program aims to increase the understanding of the interconnectedness of our landscape by providing immersive experiences, and real life problem based learning opportunities.

By partnering with industry and collaborating with schools, we aim to increase connection, action and landscape literacy of educators, students and the community.

Our program aligns with the Limestone Coast Landscape Board's Vision and Investment priorities:

Educating and partnering to sustainably manage our landscape

The task to prevent, halt and reverse the degradation of the Limestone Coast landscape is significant. Many years of land management action have had positive outcomes, but without continued collective effort from industry, First Nations and community progress will be slow. Education will strengthen the skill, knowledge and capacity of people to sustainably manage natural resources now and into the future. Connecting our youth to country creates a new generation of action. Coupled with enduring and effective partnerships, it builds large scale, long term change.

- Working collaboratively to manage pest plants and animals
- Protecting and balancing our region's water resources
- Growing sustainable primary production
- Conserving and enhancing our region's biodiversity

The Limestone Coast Landscape Board is funded by regional landscape and water levies, supporting youth and educators to be informed and play an active role in protecting our natural resources and managing our landscapes.



Vanessa Freebairn
Landscape Education
Coordinator
0447 251 548
vanessa.freebairn@sa.gov.au



Damien Bickley
Landscape Education
Coordinator
0477 309 353
damien.bickley@sa.gov.au

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Education Highlights 2022

20

SCHOOLS TOOK PART IN THIS YEARS YOUNG ENVIRONMENTAL LEADERS PROGRAM



OVER 290

STUDENTS HELPED REMOVE INVASIVE WEEDS FROM THE LANDSCAPE

207 EDUCATORS AND STUDENTS CONNECTED WITH COUNTRY AND TOOK PART IN SEASONAL OBSERVATIONS



153

STUDENTS HIKE THROUGH CANUNDA NATIONAL PARK GAINING KNOWLEDGE ABOUT SHOREBIRDS, WEED CONTROL AND CULTURE WITHIN OUR LANDSCAPE



THE LIMESTONE COAST YOUTH ENVIRONMENT COUNCIL (LCYEC) WAS ESTABLISHED PROVIDING OPPORTUNITY FOR HIGH SCHOOL STUDENTS TO HAVE A POSITIVE IMPACT ON THE LANDSCAPE



36

STUDENTS DISCOVERED CAREERS IN SUSTAINABLE LAND MANAGEMENT THROUGH FARM VISITS



LCYEC
LIMESTONE COAST YOUTH ENVIRONMENT COUNCIL

Support we can offer

We provide the following support to schools, FREE OF CHARGE:

- *Young Environmental Leaders Program (YELP) (Yr. 5 – 6)*
- *Walking the Seasons Program*
- *Limestone Coast Youth Environment Council (LCYEC)*
- *Professional Development (PD) sessions for teachers on a range of landscape topics*
- *Invasive species immersion sessions*
- *Connecting with our landscape immersion events*
- *Career immersion days*
- *Resources and equipment hire*
We have a range of resources and equipment available for loan.
To borrow our resources, give us a call on **08 8429 7550**.
- ***Landscape Education email network***
Receive up-to-date information about upcoming events, opportunities, new resources and support. To sign up for our email updates, please email LCLandscapeEducation@sa.gov.au

For more detailed information on what we offer, please visit our website:

<https://www.landscape.sa.gov.au/lc/education>



Curriculum Links

All of our programs have strong links to the Australian curriculum, especially [Sustainability as a cross-curriculum priority](#).

Sustainability addresses the ongoing capacity of Earth to maintain all life. Sustainable patterns of living seek to meet the needs of the present generation without compromising the needs of future generations.

The Sustainability cross-curriculum priority is futures-oriented and encourages students to reflect on how they interpret and engage with the world. It is designed to raise student awareness about informed action to create a more environmentally and socially just world.

Our Landscape Education Program focusses on these particular organising ideas:

- All life forms, including human life, are connected through Earth's systems (geosphere, biosphere, hydrosphere and atmosphere) on which they depend for their wellbeing and survival. (SS1)
- Sustainable patterns of living require the responsible use of resources, maintenance of clean air, water and soils, and preservation or restoration of healthy environments. (SS2)
- Sustainable futures are achieved through informed individual, community, business and political action that values local, national and global equity and fairness across generations into the future. (SF1)
- Sustainable futures require individuals to seek information, identify solutions, reflect on and evaluate past actions, and collaborate with and influence others as they work towards a desired change. (SF2)

Young Environmental Leaders Program

The Young Environmental Leaders Program (YELP) is open to four students per school in Years 5-6. YELP provides a great mix of hands on environmental experiences, project work and leadership development. The 2023 program will include a forum in each Term including a 1 night/2 day Earthkeepers Camp in Term 2. The final forum will be an expo style presentation of each of the school's projects. Students who took part in YELP in 2022 will not be eligible to attend this year but can mentor this year's participants.

YELP Provides:

- Understanding of basic ecological processes and connecting with nature experiences – Earthkeepers Camp
- Knowledge of the local landscape and natural resources
- Leadership skill development - public speaking, peer teaching
- Sharing and networking between schools
- Group project work focusing on a Problem-based Learning Question - leading to action back at school
- Mentoring from Landscape Education staff
- Strong links with the Australian Curriculum – science, history, geography.

One teacher or parent per school is required to attend the forums and the camp to supervise students.

Limestone Coast Landscape Education can help coordinate transport and shared duty of care between schools.

To register students for YELP:

Fill in registration forms on p.16

Please return by end of Week 2, Friday 10 February.



"YELP inspires the next generation to be stewards of the environment and care for our region."
Julian Rebellato, St Anthony's Catholic Primary School



"I joined YELP because I am interested in the environment and I wanted to meet new people. I learnt a lot about different species of plants and animals and shared my experiences with my school "

YELP student representative

Note: If you are unable to confirm the nominated students at the time of lodging the YELP Registration 2023 form please submit the form indicating just the number of students attending and provide the updated details once they have been confirmed.

Limestone Coast Youth Environment Council

The Limestone Coast Youth Environment Council (LCYEC) provides an opportunity for like-minded secondary students (years 7-10) to come together to learn, experience and take positive steps towards improving the environment and local landscape.

This program is student driven whereby students identify the issues that interest them most and the Limestone Coast Landscape Board Education team facilitate and provide the links to experts in the field while helping to build the students' knowledge and skills.

Successful applicants will need to be available to attend four local events throughout the year, an overnight camp in the 2nd week of the April school holidays, one day events in the July and October school holidays and one celebration event on a school day in Wk 7 Term 4.

For more information or to receive an application form please email the Limestone Coast Education Team LCLandscapeEducation@sa.gov.au



Youth Environment Council - Statewide

The state Youth Environment Council (YEC) is a joint initiative between Department for Education and Green Adelaide. It brings together students from across SA with a keen environmental interest, to take part in camps, online workshops and forums throughout the year. YEC aims to give students the skills and knowledge to run their own environmental projects in their local community.

For more information visit <http://www.yecsa.net.au>. Application forms will be available later in February 2023.

In 2022 four regional students represented the Limestone Coast region on the state YEC; Astyn Baker (Millicent HS), Bonnie Clarke (Kingston Community School), Colby Ind (Tenison Woods College), Jazmin Bingham (Grant HS). They thoroughly enjoyed the forums, developed their networking and leadership skills and working with the community to implement their projects.



Statewide Youth Environment Council representatives at the 2022 Welcome Forum

Walking the Seasons Program

Walking the Seasons is a program that was inspired by the region's First Nations seasonal calendar. The program aims to help the Limestone Coast community connect with country and culture across the landscape. Schools involved in the program will have the opportunity to learn from local First Nations elders about the significance of the seasons and indigenous knowledge of food, fibre and shelter. The program has a strong emphasis on ecology and citizen science providing students with the opportunity to identify species and record seasonal changes throughout the year while collecting data that can be used to create site specific seasonal calendars and to monitor long term seasonal variations.

"Walking the South East Seasons is an opportunity for sites to engage in authentic learning through Indigenous knowledge and perspectives in a local context. Students work on Country with Elders and community experts to learn about the local ecology and connect with their own perceptions of the natural world. This program is integral to student wellbeing through mindful connection with themselves and Nature, as well supporting learning outcomes through Indigenous knowledge."

-Sarah McCarthy Aboriginal Education/SAASTA Coordinator Grant High School

Grant High School ran a pilot program in 2022 and will be continuing to embed the program into their Year 7 Science and English Curriculum in 2023. The teaching resources developed for Walking the Seasons including a blank seasonal calendar and plant and animal ID sheets can be found on our website – www.landscape.sa.gov.au/lc

Teachers are invited to attend an on country Teacher Professional Development session to learn more. Please contact us for dates.



Connecting with our Landscape Events

Involve your students in immersion experiences to connect with their landscape.

March in May – Explore our coastal landscape

Location: Canunda National Park – Term 2 Week 2 - Wed 10 May

Open to year 5/6 classes in the Lower/Mid SE region

8.5km walk around the park stopping at four education stations on the way.

National Water Week – Learn about water in the SE landscape

Term 4 Weeks 2 & 3

Lower SE Location: Valley Lake – Week 2 - Tues 24 Oct – *aimed at primary school students*

Lower SE Location: Piccaninnie Ponds Conservation Park – Week 2 - Wed 25 Oct – *aimed at secondary students*

Upper SE Location: Bool Lagoon Game Reserve – Week 3 - Tues 31 Oct – *Open to all year levels*

Classes will explore the importance of water in our landscape with local Landscape staff during a walk and talk.

Environmental Education Sessions – on request

Contact us if you require support for your environmental excursion.



Invasive Species Immersion Sessions

Gain a greater understanding of the impact of invasive species and control methods in our landscape. These practical sessions involve native plant and weed identification followed by hands on weed removal under the guidance of Landscape Officers.

Book in for our Invasive Species Immersion Sessions in Term 3

Explore the following question with your class and immerse them in an outdoor session with hands on activities

What is a weed and do they really have an impact on our environment?



These sessions run for approximately one hour, students learn about the important role of Landscape Officers in our region in supporting landholders with invasive plant and animal control. Students learn to identify an invasive weed and participate in removal of that weed.

Teacher Professional Development

In 2023 we will be exploring our SE landscapes via teacher professional development information sessions and field trips. If you have a particular topic that you would like us to run a session on please get in contact with us.

Walking the Season

To be confirmed

Landscapes of the Upper South East,

Explore the SE Flows drainage system and Our Coorong our Coast project. Sandy's Hut/Teeluk.

Recommended for Yr 7-12 teachers, each participant will receive a copy of the 'Landscapes of the South East' resource and set of 6 posters.

Please contact us if you have a topic of interest that you would like us to cover at a future professional development session.



Teaching with a First Nations Perspective

Our natural environment has strong links with local First Nations culture, which is why the cross curriculum priorities of Sustainability and Aboriginal and Torres Strait Islander Histories and Cultures are so closely related and can be addressed together.

To book our 'Teaching with an Indigenous Perspective' kit phone **(08) 8429 7550** or email LCLandscapeEducation@sa.gov.au

The kit includes a selection of local books, DVD's and Indigenous artefacts, as well as locally specific bush food cards and posters. There are 4 kits available to loan out to schools per term.

To book an First Nations Elder please contact Burrendies Aboriginal Corporation **(08) 8725 6200**



Resource

We have a range of resources available to help teachers embed sustainability into students' learning.

To borrow

Teaching with an Indigenous Perspective tool kit

A suitcase filled with a variety of hands on regionally specific Indigenous resources, this kit can be on loan for a full term.

Aquatic macro-invertebrate sampling kit

Containing sampling nets and trays, 2-way viewing microscopes, and ID posters

Water quality testing kits

Including Electrical Conductivity Meter, turbidity tube, and pH test papers. These are available to borrow for 2 weeks at a time (longer by negotiation)

Weed kit

The kit includes gloves, hand saws, garden loppers and round up for use on invasive weeds.

Online

To assist with exploring the importance of water in our landscape check out

- Piccaninnie Ponds Teacher Resource Pack
- Bool and Hacks Lagoon Teachers Resource Pack
- Walking the Seasons resources
- Frog ID charts
- Teaching with an Indigenous Perspective Kit

For more resources please follow the link below

<https://www.landscape.sa.gov.au/lc/schools/teacher-resources>



Useful Websites

Landscape Education

Visit our website to access Teacher Resources, learn about our programs and check out our events.

<https://www.landscape.sa.gov.au/lc/education>

Limestone Coast Landscape Board

Contains all the up-to-date local information and fact sheets on biodiversity, water resources, pest plants and animals and land management.

<https://www.landscape.sa.gov.au/lc/home>

Nature Play SA

Find out more about Nature Play, including the latest resources and ideas. There is also a blog where you can find the most up-to-date initiatives and suggestions for getting your students outdoors and connecting with nature.

<http://www.natureplaysa.org.au>

Frog Watch SA

Become a Citizen Scientist; it's easy, interesting and fun! You and your class can be part of monitoring frog populations across the state by downloading the Frog Watch SA App to collect frog calls from your local area.

<http://www.frogwatchsa.com.au>

Climate Watch

ClimateWatch was developed to understand how changes in temperature and rainfall are affecting the seasonal behaviour of Australia's plants and animals. ClimateWatch enables every Australian to be involved in collecting and recording data that will help shape the country's scientific response to climate change.

<https://www.climatewatch.org.au>

iNaturalist

Contribute to Science. Every observation can contribute to biodiversity science, from the rarest butterfly to the most common backyard weed. We share your findings with scientific data repositories like the Global Biodiversity Information Facility to help scientists find and use your data.

<https://www.inaturalist.org>

YELP Registration 2023

Email: LCLandscapeEducation@sa.gov.au

Due back by: end of Week 2, Friday 10 February 2023

Students who took part last year are not eligible to participate again this year.

Registration Details:

School:

Teacher contact (name):

Email:

Phone:

Student Details (*maximum 4 students per school*)

Name: Year Level: Food intolerance/allergies:

1.

2.

3.

4.

Accompanying Adult

Name: Phone:

Forum 1

T1 Wk 5

Naracoorte Caves (schools attend one of the two forums)

10am – 2pm Tues 28 Feb / Wed 1 March

Forum 2

T2 Wk 4

Earthkeepers Camp Naracoorte Caves (schools attend one of the two camps)

Camp 1 Mon 22 – Tues 23 May / Camp 2 Thur 25 – Fri 26 May

Forum 3

T3 Wk 3

Schools attend one of the two forums

Naracoorte Tues 8 Aug / Mt Gambier Wed 9 Aug

Forum 4

T4 Wk 6

Final YELP EXPO (all schools attend)

Robe 10am – 3pm Tue 14 Nov



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