

# Landscape Education

Teacher Information Pack 2022



Educating the next generation to sustainably  
manage our landscapes



*We cannot ask our children to heal nature's wounds if we don't give them the time and space to build a connection to it" - Jason Tyndall*

Nature Play SA



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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/managing our landscapes



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# Education Highlights

THE LANDSCAPE EDUCATION TEAM ENGAGED

WITH OVER 1,800 STUDENTS IN 2021



590 STUDENTS

PARTICIPATED IN EDUCATION SESSIONS BOTH IN THE CLASSROOM AND OUT IN THE FIELD. THE TOPICS COVERED WERE WETLAND ECOLOGY, FROG ID AND HANDS ON EXPERIENCES COLLECTING AND IDENTIFYING MACRO-INVERTEBRATES.



OVER 170

STUDENTS ACTIVELY PARTICIPATED IN THE REMOVAL OF INVASIVE SPECIES FROM OUR LANDSCAPE AND LEARNT ABOUT THEIR IMPACT TO OUR ENVIRONMENT.



*"Children were involved with every activity station they absolutely loved it!"*

Tiana Pietrafesa - Akuna Kindergarten Director

30

STUDENTS WERE PROVIDED INFORMATION FOR CAREER PATHWAYS IN LANDSCAPE MANAGEMENT AND SUSTAINABLE PRIMARY PRODUCTION

EVENTS HELD AT ROBE, NENE VALLEY, PORT MACDONNELL AND PICCANINNIE PONDS CONSERVATION PARK PROVIDED

AN OPPORTUNITY FOR OVER 370

STUDENTS TO LEARN MORE ABOUT OUR COASTLINE AND IMPORTANCE OF THIS HABITAT.



97

STUDENTS FROM 23 SCHOOLS

WERE INVOLVED IN THE YOUNG ENVIRONMENTAL LEADERS PROGRAM (YELP), WHICH PROVIDED THE OPPORTUNITY TO MEET THROUGHOUT THE YEAR, INCREASING THEIR KNOWLEDGE OF THE LANDSCAPE AND CONNECTION TO NATURE, WHILE EMPOWERING THEM TO IMPLEMENT A SUSTAINABILITY PROJECT IN THEIR SCHOOL COMMUNITY.

NATIONAL WATER WEEK PROVIDED AN OPPORTUNITY FOR 260 STUDENTS TO VISIT THREE UNIQUE LOCATIONS AND RECOGNISE THE IMPORTANCE WATER PLAYS IN OUR LIVES AND DEEPEN THE UNDERSTANDING OF AUSTRALIAN FIRST NATIONS KNOWLEDGE IN CARING FOR WATER AND COUNTRY



[www.landscape.sa.gov.au/lc](http://www.landscape.sa.gov.au/lc)

**LANDSCAPE**  
SOUTH AUSTRALIA  
LIMESTONE COAST

# Support we can offer

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

- *Young Environmental Leaders Program* (Yr. 5 – 6)
- *Professional Development (PD) sessions for teachers on a range of Landscape topics*
- *Invasive Species Education Session*
- *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 8735 1204**.
- ***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](mailto:LCLandscapeEducation@sa.gov.au)

For more detailed information on what we offer, please visit our website <https://www.landscape.sa.gov.au/lc/schools>



## Curriculum Links

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

By taking part in Landscape Education, students will understand that:

**OI.1** The biosphere is a dynamic system providing conditions that sustain life on Earth

**OI.2** All life forms, including human life, are connected through ecosystems on which they depend for their wellbeing and survival

**OI.3** Sustainable patterns of living rely on the interdependence of healthy social, economic and ecological systems

**OI.6** The sustainability of ecological, social and economic systems is achieved through informed individual and community action that values local and global equity and fairness across generations into the future

**OI.7** Actions for a more sustainable future reflect values of care, respect and responsibility, and require us to explore and understand environments

**OI.9** Sustainable futures result from actions designed to preserve and/or restore the quality and uniqueness of environments.



# Young Environmental Leaders Program (YELP)

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 2022 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 2021 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 – including the Earthkeepers Camp
- Knowledge of the local landscape and natural resources
- Leadership skill development - public speaking, peer teaching
- Sharing and networking between schools
- Group project working focusing on a sustainability issue identified by the students 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.14**

**Please return by start of Week 4, Monday 21<sup>st</sup> February.**



*"The team is very approachable and willing to help, the YELP experience is extremely valuable to our students to build awareness of environmental issues as well as giving the students confidence with public speaking".*

**Angela Jones, Newbery Park Primary School**



*"I joined YELP to learn more about our landscape including the plants and animals. I enjoyed doing something positive for the environment".*

**YELP representative**

Note: If you are unable to confirm the nominated students at the time of lodging the YELP Registration 2022 form please submit the form indicating just the number of students attending and provide the updated details once they have been confirmed.

# Invasive Species Education 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 Weeds 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 two hours, 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.



# New initiatives

**We have two exciting new programs that will be running as a pilot in 2022 ready to launch across all schools in the region in 2023.**

## **Walking the Seasons**

Walking the Seasons is a program centered on the region's Indigenous seasonal calendar. Schools involved will have the opportunity to hear from local Indigenous elders about the significance to aboriginal people of understanding the seasons and the food, fibre and shelter that the landscape provides at different times of the year. The program has a strong emphasis on ecology and citizen science giving students the opportunity to identify species found at the site and record changes observed.

In 2022 we will be working with Grant HS Year 7 science classes who have chosen a local Stringybark Woodland as their site. Students will visit the Woodland throughout the year and begin to create their own site specific calendar. Resources are currently being developed that help students and teachers to identify the native plants and animals including key indicator species at the site. These will be used to observe the phenological phases e.g. the first fruiting of plants, nesting of birds etc. which has been recognized as one of the simplest ways to monitor ecological responses to climate change.

It is hoped that by the end of the year students and teachers will have a deeper understanding of seasonal changes in their local landscape a stronger connection to nature and an increased appreciation of Indigenous people's connection to country.

## **Limestone Coast Youth Council**

The Limestone Coast Youth Council (LCYC) provides an opportunity for like-minded secondary students (years 7-12) to come together to learn, experience and take positive steps towards improving the environment and local landscape.

The LCYC is a student driven program whereby the students identify the issues that concern them most and the Education team facilitate and provide the links to experts in the field while helping to build the students' knowledge and skills.

Keep your eyes open for regular updates throughout the year as we introduce these two exciting pilot programs in 2022.

For more information please contact the Limestone Coast Education Team  
[LCLandscapeEducation@sa.gov.au](mailto:LCLandscapeEducation@sa.gov.au)



# Youth Environment Council

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, who take part in camps, online workshops and forums throughout the year. This aims to give students the skills and knowledge to run their own environmental projects in their local community.

For more information visit [Youth Environment Council of South Australia - Home \(yecsa.net.au\)](https://yecsa.net.au)  
Application forms will be available later in February.

In 2021 two regional students represented the Limestone Coast region on the state YEC Colby Ind from Tenison Woods College and Louise Stanley from Penola Primary School. They thoroughly enjoyed the forums, developed their networking and leadership skills and worked with the community to implement their projects.



***YEC members at their revegetation site at Arbury Park Outdoor School***



# 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 11th May (TBC)

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 Limestone Coast landscape**

*Term 4 Weeks 1&2*

Upper SE Location: *Bool Lagoon Game Reserve – Wed 19th Oct – Open to all year levels*

Lower SE Location: *Valley Lake – Mon 24th Oct – aimed at primary school students*

Lower SE Location: *Piccaninnie Ponds Conservation Park – Tues 25th Oct – aimed at secondary students*

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



# Teacher Professional Development

In 2022 we will be exploring our Limestone Coast 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.

## **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.

Term 3: Starts at Kingston Community School

## **Coastal landscape and human impact field trip**

Location: Southend – Late Sept

## **Indigenous Cultural Education** – Date TBC

**Walking the Seasons** – Pilot program wrap up. Come and learn how Grant HS incorporated 'Walking the Seasons' into their Year 7 Science Curriculum and how you can be involved in 2023.

Term 4 – Grant HS





# Teaching with an Indigenous Perspective

Our natural environment has strong links with local Indigenous 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) 8735 1204** or email [LClandscapeEducation@sa.gov.au](mailto: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.



# Resources

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).

### **Garmin portable GPS units**

### **Weed Removal Kits**

The kit includes some folding saws, a pair of garden loppers, herbicide applicators and gloves

### **Catchment Connections South East - Water**

A comprehensive resource package covering a range of local environmental topics.

## Online

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

- Piccaninnie Ponds Teacher Resource Pack
- Bool and Hacks Lagoon Teacher Resource Pack
- Frog ID charts
- Macro mania teacher info pack
- Teaching with an Indigenous Perspective
- Weed Warriors resources

For more resources please follow the link below

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





# Useful Websites

## Landscape Education

This comprehensive website from Landscape Education in the South East includes information on sustainability themes, teacher resources, case studies and engaging with nature activities.

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

For further information please visit the Green Adelaide website

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

Or the SA Murray-Darling Basin website

<https://www.landscape.sa.gov.au/mr/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>

## iNaturalist

iNaturalist connects millions of people to biodiversity and the data generated by this vibrant community has been used in thousands of publications. Over 1.1 million people have contributed data to iNaturalist in 2021. 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 [Global Biodiversity Information Facility](#) to help scientists find it or observe.

For more information visit <https://www.inaturalist.org/>

## 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.

[www.natureplaysa.org.au](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/>



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# YELP Registration 2022

Email: [LCLandscapeEducation@sa.gov.au](mailto:LCLandscapeEducation@sa.gov.au)

Due back by: Week 4, Monday 21st February 2022

***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: .....

<b>Forum 1</b>	<b>Naracoorte Caves (schools attend one of the two forums)</b>
T1 Wk 6	10am – 2pm Tues 8th Mar / Wed 9th Mar
<b>Forum 2</b>	<b>Earthkeepers Camp Naracoorte Caves (schools attend one of the two camps)</b>
T2 Wk 5/6	Camp 1 Mon 30 <sup>th</sup> May – Tues 31 <sup>st</sup> May / Camp 2 Wed 1st Jun – Thur 2nd Jun / Camp 3 Mon 6 <sup>th</sup> Jun – Tues 7 <sup>th</sup> Jun (if required)
<b>Forum 3</b>	<b>Schools attend one of the two forums</b>
T3 Wk 3	Naracoorte Tues 9th Aug / Mt Gambier Wed 10 <sup>th</sup> Aug
<b>Forum 4</b>	<b>Final YELP EXPO (all schools attend)</b>
T4 Wk 5	Robe 10am – 3pm Wed 16 <sup>th</sup> Nov





Limestone Coast Landscape Board

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[www.landscape.sa.gov.au/lc](http://www.landscape.sa.gov.au/lc)

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