## Enhancing **Education Programs** at the Port Phillip **EcoCentre**

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### The growth of the EcoCentre calls for new analysis



How are we going to teach the younger generation to care for [the] environment?

"

~ Educator

Environmental citizenship empowers students by enabling skills to take sustainability action

#### Connection to the environment

#### Individual responsibility

#### **Decision-making and action-taking**

## **Project Goal**

To support the development of the Next Gen Education Framework by reviewing the impacts of three of the EcoCentre's educational programs: Teachers' Environment Network (TEN), Tomorrow's Leaders for Sustainability (TLfS), and Excursions.

### TEN connects educators to promote sustainability





### TLfS engages students and builds leaders



Connect with Educators

Engage and Learn

#### Project Impacts

7

## The EcoCentre offers excursions that facilitate nature-based learning



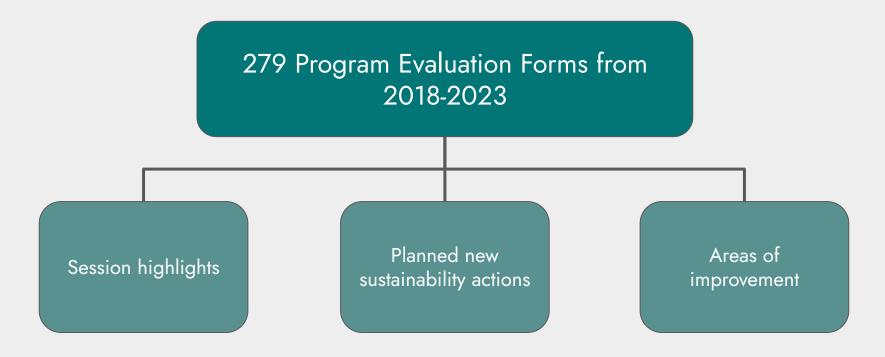
# Methodology

## Method 1: Workshop with Education Manager and the Education Programs Coordinator at the EcoCentre





### Method 2: Analyzing Evaluation Forms from TEN, TLfS, and Excursions



## Method 3: Focus Groups with TEN and TLfS participants

4 Focus Groups with Educators	
Long-term program impacts and outcomes	Desired content and skills
Exit Survey (TEN only)	



### Results, Analysis, and Recommendations

### Agenda

#### TEN

• Aims, Objectives,

Outcomes

- Results and Analysis
- Recommendations

#### TLfS

- Aims, Objectives, Outcomes
- Results and Analysis
- Recommendations



### Teachers' Environment Network

#### Aim:

To **build** a **network** of connected and knowledgeable **educators** who can deliver strong **sustainability** and **environmental** education in their **schools**.

#### **Objectives**

To provide **high-quality** professional learning **experiences** that reflect expertise and innovation in sustainability and environmental education.

To foster a supportive, positive and collaborative **network** where teachers share knowledge, ideas and resources.

To tailor professional development sessions to teachers' specific **interests** and desired areas of **growth** in environmental and sustainability education.

To provide high quality **resources** to support teachers to implement sustainability in their programs at school.

Teachers are **implementing** high-impact Teachers feel **supported** sustainability and and **inspired** by the environmental activities sessions and peers in and programs in their the TEN network. schools. **Outcomes** Teachers **share** Teachers **attend** TEN successes, challenges, lessons and resources sessions on a **regular basis** and the network with **peers** in the Teachers' Environment has a high retention rate. Network.

## TEN provides teachers with high-quality and informative professional learning opportunities

Objective 1: Professional learning experiences

15%

of evaluation form respondents participated in TEN for the professional development But... **62%** of evaluation form respondents said they participate because of topical interests

"Offered a variety of strategies that have been proven in the school setting."

## Teachers find the networking aspect of TEN to be beneficial

Objective 2: Supportive, positive and collaborative network for teachers share

Of the 84 evaluation form respondents...

24% participate in TEN to network

13% said that the networking opportunities were what was done best "I realized that it's not so much the information, but it's the connecting with others and learning about... what they're doing in their schools."

"Connecting with like minded teachers is a powerful way to motivate and be inspired."

## Teachers are looking for a stronger focus on local content and skills during future sessions

Objective 3: Tailor sessions to teachers' interests

#### Content

Australia's First Peoples

#### Habitat Gardens

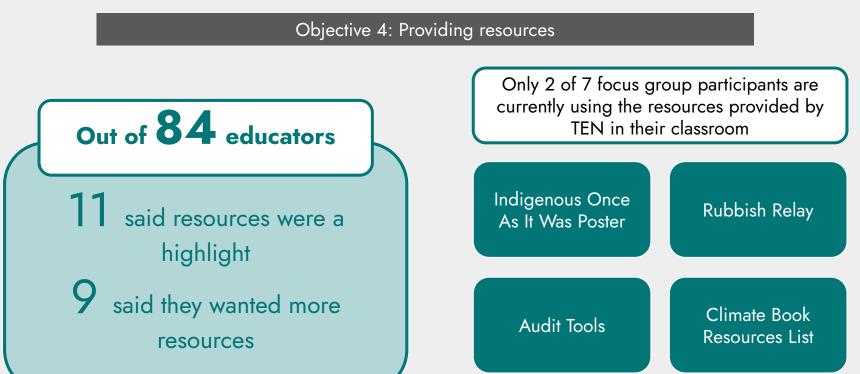
Indigenous Plants



### Skills **Grant Writing Skills** Classroom Resources Running Environmental Audits Student Engagement **Policy Development**

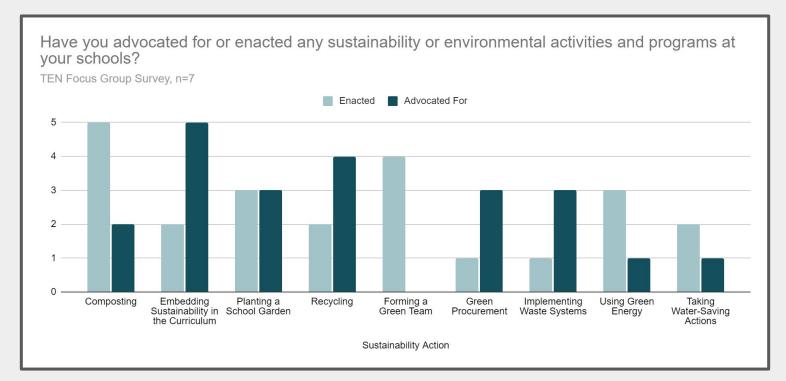
Forming a Green Team

### TEN supplies teachers with resources to implement into their classroom but they are not all being used



## Teachers involved with TEN are advocating for and enacting changes at their schools

Outcome 1: Teachers are implementing activities in schools.



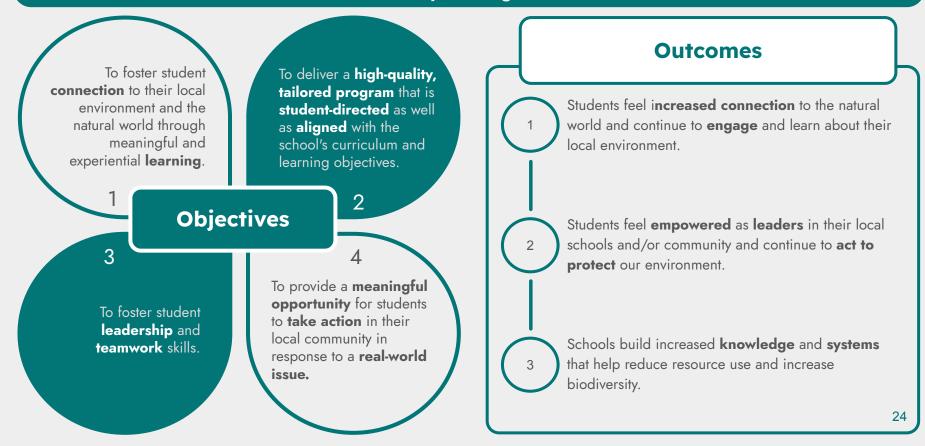
### **TEN Recommendations**



## Tomorrow's Leaders for Sustainability

#### Aim:

To foster student **environmental stewardship** by deepening their **knowledge** and **connection** with the environment and **empowering** them to take action.



## TLfS builds student connection and stewardship of their local environment

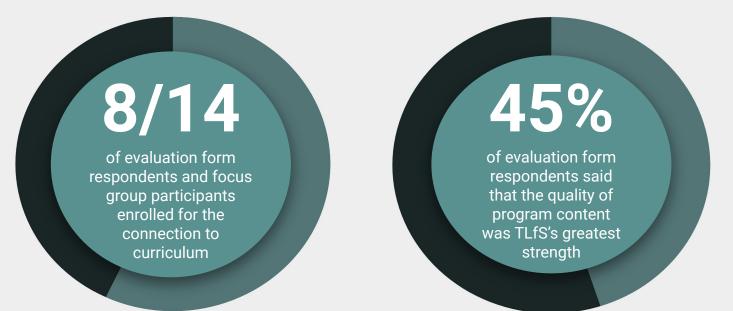
Objective 1: Fostering student connection to the environment

"At the end, [a student] went up and said, "I want to help what you're doing in building bird nest boxes in Tasmania and how much of my pocket money do you want?""

"The program has helped kids kind of take ownership and accountability for what [sustainability actions] they can actually realistically run and promote at school." "They want to, you know, sell things from the garden... buy more seeds and things to plant... certainly lots more excitement about composting and waste management and all sorts of things that they've been focusing on."

## TLfS effectively delivers content tailored to teachers' needs and expectations

Objective 2: Delivering a tailored program that aligns with the school curriculum



### TLfS inspires students to become stronger leaders and better collaborators

Objective 3: Fostering student leadership and teamwork skills



"Those who go through the program are more confident as an outcome of the program."

"[TLfS] sets them up for Year Six and doing work in the garden with the well-being and social justice leadership roles that we have."

### TLfS inspires students to take sustainability actions at school

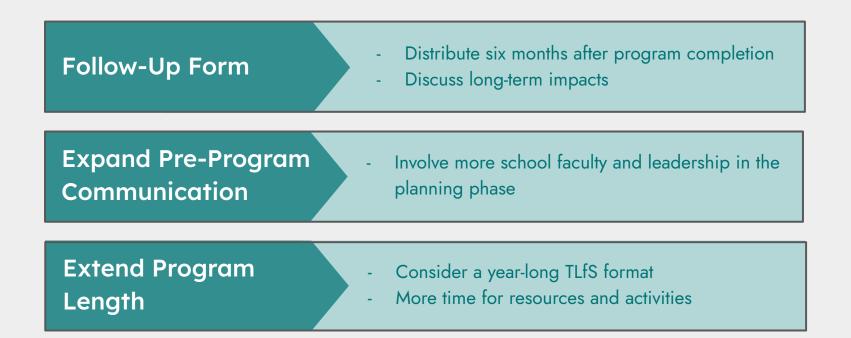
Objective 4: Providing opportunities for students to take action



"We decided to remove the soy sauce, those little fish bottles that you get."

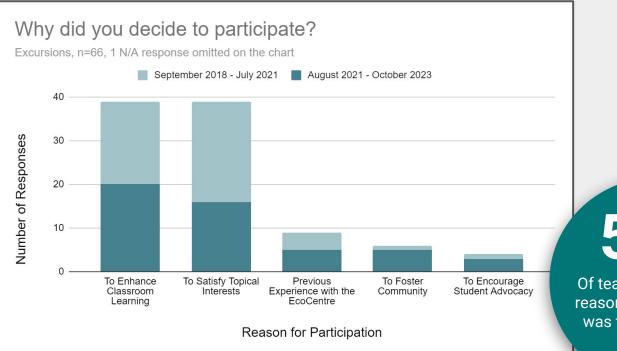
"We wanted to take some action, our action is actually sitting out on the table there [pollinator hotels]."

### **Recommendations for TLfS**



### **Excursions**

## Excursions draw in teachers seeking high-quality learning experiences for their students

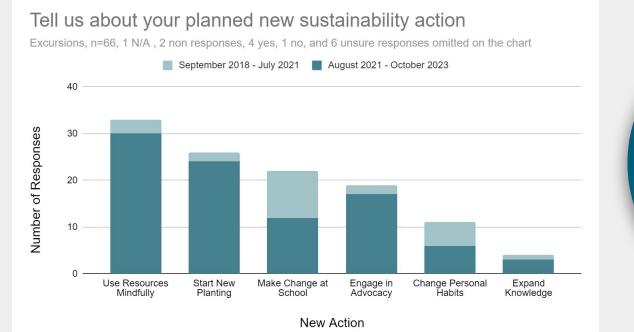


**59%** Of teachers stated one reason for participation was to enhance classroom learning

59%

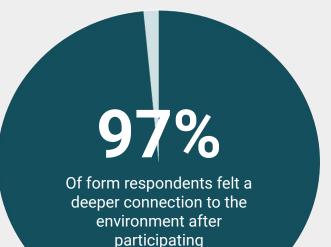
Of teachers stated one reason for participation was to satisfy topical interests

## Excursions inspire participants to explore new sustainability actions



86%

planned new sustainability action as a result of an Excursion Excursions foster a deeper connection with the environment and inspire participants to make changes that protect it

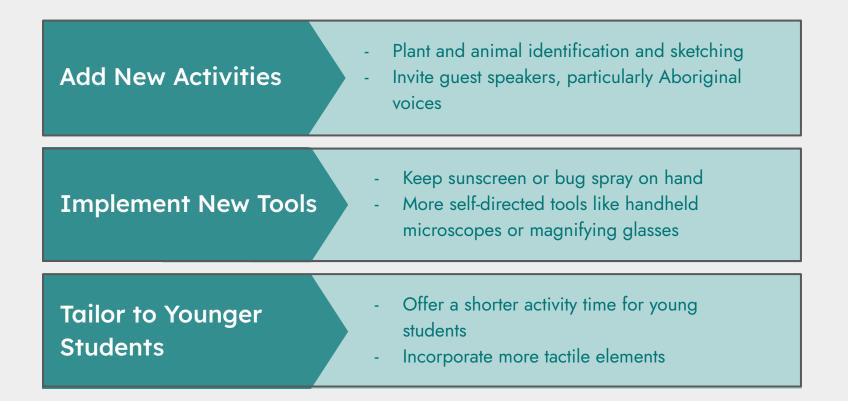




### 1 out of every 6 respondents

indicated plans to make sustainable changes to their daily habits

### **Recommendations for Excursions**



### **Final Recommendations**

Revise Evaluation	<ul> <li>Revise questions that are double-barrelled,</li></ul>
Forms	leading, or unclear <li>Add new questions on objectives and outcomes</li>
Spend More Time Outside	- Explore a wider range of the St. Kilda environment to further immerse participants in their learning
Incorporate More	- Offer more content specific to Port Phillip Bay, like
Local Content	the Yalukit Willam and Indigenous Plants
Teach More Action Taking Skills	<ul> <li>Teachers: Grant Writing, Audits, Policy Development, Forming a Green Team</li> <li>Students: Communication, Presentation Skills, Letter-Writing, Workshop Facilitation</li> </ul>



## **Thank You!**

