

# SCHOOL WORKSHOP PACK



## Summary of Presentations World Environment Day 2023 at the Adelaide Botanic Garden Friday 2 June 2023 9.45am to 2.00pm

Please note:

World Environment Day 2023 is a paid, ticketed event. Schools are invoiced after the Event. Discounts on ticket prices apply to Department for Education Category 1-4 Schools.

- Classes of 10-19 students \$95 | DfE Category 1-4 Classes \$75
- Classes of 20-30 students \$120 | DfE Category 1-4 Classes \$100

\* When booking, please only purchase 1 ticket per class to secure your attendance (1 ticket = 1 class = 1 stream).

Class sizes need to be under 30 and must be supervised by accompanying adults. Adult to student ratios must be adhered to.

- 1:10 for Year 4-6
- 1:6 for Foundation – Year 2

The schedule for the day will be as follows:

- Welcome to Country
- Each class will have two sessions to attend 'fixed' 30 minutes workshops with environmental organisations
- One session for visiting drop in stalls and
- One session to either do a self-guided trail or continue visiting the drop-in stalls.
- Recess and lunch breaks to rest and explore the garden

Each stream has been aligned to themes found in Australian Curriculum.

# Stream 1: 'Animals'

## Suits Year 4 to 6

### 'Animals' Stream 1A:

#### Going Batty Fauna Rescue SA & Adelaide Botanic High School



Did you know that there is a 'camp' of over 15,000 Grey headed Flying Foxes here in Botanic Park? In this workshop we will explore why we now have an established colony here in hot, dry Adelaide and visit the camp located in Botanic Park between Adelaide Botanic High School & the Zoo.

[abhs.sa.edu.au](http://abhs.sa.edu.au)

[www.faunarescue.org.au](http://www.faunarescue.org.au)

#### Aussie Animal Talks Nature Education Centre



A presentation with a variety of native species discussing their different adaptations, lifecycles and classification for all year levels. Students will get a chance to meet some of our animal ambassadors and learn about them in a hands on way.

<https://nature.sa.edu.au/>

### 'Animals' Stream 1B:

#### Interactive Wildlife Animals Anonymous



Get up close and personal with some beautiful Australian animals, learn about these unique species, why some of these species are endangered, and what we can do in our own backyards to help our wildlife.

<https://www.animalsanonymous.com.au/>

#### Insect Monitoring & Biodiversity University of Adelaide, School of Biological Sciences



Join University of Adelaide Entomologists to learn about insect biodiversity and pest monitoring through hands on activities and seeing how the iMaps pest Sentinel trap works! There will be the opportunity to learn how to use insect collecting using sweep nets and examine some specimens up close under a microscope.

[School of Biological Sciences | University of Adelaide](https://www.sbs.adelaide.edu.au/)



SA Museum & Insect Investigators, World Environment Day 2022



## Stream 2: 'Living Things'

Suits Year 3 to 6

### 'Living Things' Stream 2A:

#### Pollen Power Botanic Gardens & State Herbarium of SA



Did you know that Australia has over 1600 native bee species? You have probably seen them buzzing around your garden and did not know they were a bee.

Come and learn: Why bees are important, the difference between honey bees and Australian native bees, and how to promote native bees in your garden!

<https://www.botanicgardens.sa.gov.au/>

#### Feral Plants Botanic Gardens & State Herbarium of SA



Join Chris, a weed expert and botanist from the State Herbarium of South Australia, and learn about the threats to our environment from introduced weed species. Students will learn all about native and introduced species of flora and fauna what they can do to help in their community.

[Botanic Gardens of South Australia | State Herbarium](#)

### 'Living Things' Stream 2B:

#### Plastic as Prey SA Museum



All animals need to feed. The way various species acquire their food, however, differs significantly! Museum staff will share with you some of the species impacted by eating plastics. Look at simple actions to reduce and recycle household plastics. We will also explore the Botanic Gardens to photograph wildlife and/or waste, which occur our urban environment.

<https://www.samuseum.sa.gov.au/>

#### Spectacular Seeds & Paper Pots The Diggers Club



Did you know you can make your own paper pots?

The team at The Diggers Shop in Adelaide Botanic Garden will lead students in a for a fun activity where students will make their own paper pot and sow some edible blooms to take back to school and grow. Suits Upper-Middle Primary classes.

<https://www.diggers.com.au/pages/visit-adelaide>

### 'Living Things' Stream 2C:

#### State Herbarium Collections Botanic Gardens & State Herbarium of SA



Ever wondered what happens in the old tram barn? Come along to experience a few of the interesting and wonderful things that happen in the State Herbarium of South Australia! Students can see some of the collections and learn how to use a plant press.

[Botanic Gardens of South Australia | State Herbarium](#)

#### Birds in the Park Lands City of Adelaide



Learn about our Park Lands which contain interesting and important plants, animals, fungi and bacteria. They all have their place and contribute to keeping our city healthy and a nice place to visit. If you've noticed the New Holland Honeyeater, Australian Magpies and Eastern Rosellas around the city, you might be surprised that they are just some of the 114 different bird species that have previously called Adelaide home.

[Biodiversity | City of Adelaide](#)

## Stream 2: 'Living Things' Suits Foundation to Year 6

### 'Living Things' Stream 2D:

#### Tree Stories Three-Storey House

Some trees lean and some intertwine. Some are hollow and others are burnt. There are trees that flower on the full moon, and those who are visited by birds who fly for months to get there.

Enjoy a story making session where we invent back-stories for some of the Botanic Garden's more spectacularly idiosyncratic trees.

[Helen Lawry Storytelling](#)

#### Nature Nurture: How Creating a Connection to Place Reduces School Litter Nature Play SA



When children know about the plants and creatures that call their schoolyard and community home, they care. This session includes a short biodiversity walk and creating a take-home artwork.

<https://natureplaysa.org.au/>



Heaps Good Productions, World Environment Day 2022

## Stream 3: 'Living Past' Suits Foundation to Year 6

### 'Living Past' Stream 3A:

#### Shadows of the Prehistoric Past Heaps Good Productions



Singing palaeontologist Professor Flint takes students on a journey into the past through a series of songs, and a fossil show and tell, that explores South Australia's local prehistoric story. From the plesiosaurs and ichthyosaurs once swam where South Australians now walk, to the giant wombats that once strolled where we now dwell, and with reference to the prehistoric plants that made it all possible.

<https://www.heapsgood.com.au/>

#### Australia's Ancient Past Flinders University



Did you know that many fossils and rocks are made by melting something down and changing it into something new, and this can happen to the same thing multiple times over the course of earth's history?

Come and learn about how natural processes over time result in the creation of Fossils and rocks, and even touch and hold some fossils!

<https://www.flinders.edu.au/>



## Stream 4: 'Materials & Sustainability' Suits Foundation to Year 6

### 'Materials & Sustainability' Stream 4A:

#### Youth

#### Community Action

Jane Goodall's Roots & Shoots



Learn how different community groups are tackling the issue of plastic pollution, and how you as young leaders can get involved and do your part. Workshop includes an interactive quiz on plastic pollution and a small group project activity.

<https://rootsandshoots.org.au/>

#### Garden to

#### Lunchbox to Garden:

#### A tale of two lunchboxes

KESAB



How can you help the environment every day? Easy, just pack your own lunchbox- thoughtfully! A fun activity where you will learn how lunchbox choices can help the environment, when it's from the garden where it grew and back to the garden after composting.

<http://www.kesab.asn.au/>

### 'Materials & Sustainability' Stream 4B:

#### Waste not with Wormboy Wormboy



Wormboy is here to teach students about composting worms and how this links in with our ecosystem. Learn about the life-cycle of worms and what conditions they need to survive, and what materials even worms cannot break down.

<https://www.facebook.com/withwormboy/about>

#### The Waste and Recycling Relay Veolia



This activity is a practical opportunity to learn about waste and recycling, and combines education with fitness! Students understand the differences between landfill, recycling and organics. This is followed by a waste audit and actions to support better waste management at home and in the classroom.

<https://www.veolia.com/anz/>

Veolia, World Environment Day 2022





## Stream 4: 'Materials & Sustainability' Suits Foundation to Year 6

### 'Materials & Sustainability' Stream 4C:

#### Plastic Free & Recycling Bingo

The Adelaide Sustainability Centre



How can you make a difference to the environment in your everyday life? This fun bingo game will teach you ways to reduce plastic use and recycle better. There will also be additional downloadable resources will also be available through QR codes.

*\*Please note this presentation is best suited for Years 4-6*

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

#### Wriggly Ideas: Designing Future Foods

The University of Adelaide



From production to processing, transport, packaging, consumption and disposal; our food system has a big environmental impact. In this presentation, we will explore how food scientists are working to create healthy, sustainable and tasty food. Students will be tasked with designing food products containing edible insects which are a potential protein source with a low environmental impact.

School of Agriculture, Food & Wine | University of Adelaide

### 'Materials & Sustainability' Stream 4D:

#### Don't Forget - FOGO! Bin Thinking



Bin Thinking will educate students on why avoiding food waste is such an important step on the journey to sustainability. Students will be able to see how much food is currently being wasted by the average South Australian home and learn how to make better choices when disposing of food waste.

<https://www.binthinking.com.au/>

#### Seed Planting in the Kitchen Garden

Botanic Gardens and State Herbarium of South Australia



Guess what's growing in the kitchen garden? Students will join kitchen garden staff and learn how to sow a seed and what they need in terms of light, nutrients and water, and meet some wriggly little friends that help our gardens thrive. Warning – children may get their hands dirty!

Botanic Gardens of South Australia | Little Sprouts Kitchen Garden...



Little Sprouts Kitchen Garden, World Environment Day 2022



# Stream 5: 'Water & Conservation'

## Suits Foundation to Year 6

### 'Water & Conservation' Stream 5A:

#### Protecting the Great Southern Reef Marine Discovery Centre



Why is it so important to protect endemic species of the Great Southern Reef? You will have the chance to try two fun activities including a hands-on activity learning about the world's ocean currents, and a virtual reality (VR) experience swimming with either sea lions, leafy sea dragons, or underneath the Henley Beach Jetty.

<https://www.marinediscoverycentre.com.au/>

#### Urban Wetland Ecology Urrbrae Agricultural High School



Did you know wetlands play an important role in storm water management, while providing habitat for many different animals. Investigate how healthy the Botanic Garden Wetland is and what type of animals may inhabit the water

*\*Please note this presentation is best suited for Years 4-6*

<https://www.urrbraehs.sa.edu.au/>

### 'Water & Conservation' Stream 5B:

#### Marine Conservation Sea Shepherd



The world's oceans are under threat from a number of issues, including overfishing, illegal fishing operations and ocean pollution. Sea Shepherd are directly involved in addressing some of the issues and stopping activities like illegal fishing operations and whaling. Hear about why the oceans are important and the role everyone can play in defending them and the marine life.

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

#### Bottled Water, What a Waste! SA Water



Do you know Australia has the most expensive bottled water on the planet, and we consume more bottled water than almost any other country? Tap water can be taken for granted, but there is a long and complex process to get water from source to tap. Learn from water scientists about how our tap water is sourced, treated, and disinfected, ensuring we all have access to clean, safe water whenever we turn on the tap.

<https://www.sawater.com.au/>

#### Wetlands Guided Tour The Garden Guides



Water is one of our most valuable assets. It cleans, refreshes our environment and plays a part in the beauty of nature. We need to value and protect it, and this is especially important as South Australia is one of the driest places on earth! Join The Guides for a short walk of the Wetland to see how it captures, stores and recycles water to maintain the gardens.

<https://www.friendsbgadelaide.com/>

*\*Please note that booking in for 'Water & Conservation' Stream 5B means you will only have 1 session for the drop in zone or a self-guided walk.*



The Garden Guides, World Environment Day 2022



## DROP IN STALLS

