



FREE FOREST TEACHER PD for Science and Geography Teachers

9.30am - 3.30pm
Thursday May 2nd, 2024

@ CFA Toolangi
1683 Healesville - Kinglake Rd
TOOLANGI and nearby FORESTS

Learning will be FUN and ENGAGING, however spots are strictly limited, so don't delay. **BOOK TODAY!**
MORNING TEA & LUNCH PROVIDED

Empowering Teachers to Address Environmental Issues Without Stressing Students!

As educators, how do you approach the subject of the environment in a way that reduces student anxiety and inspires action? Gould League's General Manager Anne-Maree McInerney, a renowned global sustainability advisor, will be leading a day-long immersion into the forest alongside other experts in forest and water conservation. This PD promises to uplift and inspire teachers as they discover innovative policies and practices that tackle some of humanity's most pressing environmental challenges.

We will share a new take on the value of eco-system services such as crop pollination, water purification, flood protection, and carbon sequestration that are worth trillions of dollars globally, give an insight into adaptations of local wildlife, the history of eco-system services of the Yarra Ranges catchment area and the impact of humans.

We will also introduce Teachers to the game changing yet little known concept of "The Blue Economy", which involves adopting a circular economy model that drives systemic change and zero waste. It has the potential to promote sustainable growth and productivity across all segments of society, with innovations that address environmental issues that will create the jobs of tomorrow.

The day celebrates the tall trees of the Toolangi Forest and the river system that nurtures us and provides Melbourne's water supply and new innovative practical solutions to the many challenges facing society, such as failing ecosystems, species extinction, food security, waste management, and climate change. This innovative approach to real-world learning offers a glimpse into the future of education, building resilience, creating jobs, and contributing positively to society and the environment.



Proudly supported by Eucalypt Australia to celebrate National Eucalypt Day 2024.

PROGRAM



Welcome and Introduction

9.30AM Official welcome, Acknowledgement of Country, plus introduction of Gould League and how we've inspired generations of scientists, problem solvers and eco warriors for over 100 years.

Global challenges and solutions (inspired by nature) to some of our most wicked problems

9.40AM This session Introduces the Blue Economy (a physics approach to sustainable development); Forests and their role in Sustainable Development; Important and gratifying changes to Earth Science Curriculum; Waves of Innovation; Biomimicry specifically Regenerative Farming, Biophilia and Living Filters; 30 by 30 and Half Earth; and the importance of Nature and Outdoor learning to address eco-anxiety.

10.30AM Morning Tea

10.45AM Overview of Ecosystems Services of the Upper Ranges catchment area

First-hand experience of Toolangi State Forest and it's Ecosystem Services

11.00AM This session entails a 2.2km loop walk to the Yea River (gentle grade - easy to walk). See the world's tallest flowering plant (Mountain Ash), Messmate, Tree Ferns and other wonders of the forest. We test water turbidity, salinity and temperature, discuss local food production, and how Toolangi's forests contribute to creating, collecting, storing and filtering water, as well as an exploration of human influences on water movement and quality.

1PM Lunch

Innovation by Nature - it's worth more than you realise!

1.30PM This session not only gives an economic value to nature and the ecosystem services it provides, it showcases a range of biomimetic and blue economy innovation that's reducing waste, increasing yields in agriculture and aquaculture, how we can now make paper with out trees using the waste of mining processes, get inspiration from termite mounds to provide air-conditioning without the need for power, lighting via luminescence and much more.

Learn new skills

Toolangi State Forest is the perfect outdoor learning space to learn new skills. Discover:

- 2.00PM**
- The animals of the forest and how they are adapting to survive and thrive
 - How to measure carbon in a tree
 - How to measure and assess fuel hazards in the forest
 - How to undertake plant transects to measure change over time, biodiversity

The importance of nature and outdoor learning

3.15PM This short final session back at the CFA, we answer any questions from the day, allow teachers to share innovation or activities that is working well in the classroom as well as provide an overview of all Gould Forest Programs and how we link them to learning outcomes of the Victorian Curriculum so students and teachers alike can and benefit from nature and outdoor learning. We will also share an array of resources we will make available to you.

3.30PM End of program



HOW TO BOOK AND HOW TO GET THERE

FREE EVENT - INCLUDES LUNCH

**BOOKINGS ESSENTIAL
DUE TO LIMITED PLACES**

BOOK HERE

<https://www.eventbrite.com.au/e/2024-national-eucalypt-day-teacher-pd-in-the-forest-with-gould-league-tickets-784740238177>



This learning program is best suited to educators of mid Primary through to VCE students, co-ordinators of incursions/ Excursions or leadership programs. Please dress appropriately, and advise any physical limitations or dietary requirements.

**WE LOOK FORWARD TO YOU
JOINING US THURSDAY MAY 2ND**

As this is a remote location, we highly recommend carpooling. There is ample parking available. We ask you don't park in CFA response parking spaces or out the front of the station apron, so CFA are able to respond quickly and easily if they get a callout.



JOIN US Thursday
MAY 2nd at
CFA Toolangi
1683 Healesville
- Kinglake Rd
TOOLANGI

Discover why teachers come to our PD days...

"It was so interesting and inspiring - lots of new innovation in sustainability and a more positive approach to managing the environment compared to the EnviroScience Textbook! 10 out of 10"

Karen Collard - Upper Yarra Secondary College

"10 out of 10. The walk gave us a chance to connect to our environment and presentations gave me knowledge I had never even considered before. I highly recommend others attend Gould League PD days."

Samatha Chia - Heany Park Primary School

"10 out of 10" I especially loved the field work activities and the application in the classroom.

Catherine Ryan - Mentone Grammar School



LEARN MORE ABOUT GOULD LEAGUE www.gould.org.au or follow us on

