



MARINE SECONDARY TEACHER PD

9:30AM – 3.30PM

WEDNESDAY APRIL 2ND, 2025

BEAUMARIS LIFESAVING CLUB
BEACH ROAD, RICKETTS POINT



The ocean spans 361 million square kilometres, covering over 70% of Earth and providing crucial ecosystem services such as food supply, climate regulation, and habitat protection. This professional development program for secondary teachers aims to offer hands-on fieldwork experience for all year levels, emphasising the area's biodiversity, natural history, cultural and community significance and how we are all reliant on ocean health for our own health and wellbeing.

Join us for specialist sessions with our guest presenters to deepen understanding of the importance of ocean literacy, linking curriculum to the Sustainable Development goals and why understanding ocean health is essential for climate science learning. We will also run a skills session to enhance your skills in the field or classroom.

9:30 AM

Welcome and Introduction.

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.

9:40 AM

"Eco Anxiety" and disconnection to nature. An introduction to Gould League's outdoor program to deepen student's connection to their natural environment. How Gould League meets curriculum criteria.

10.15AM

Increasing Ocean Literacy in the classroom.

Harry Briedahl will discuss the role of ocean literacy to understand complex environmental issues such as marine pollution and climate change. How can this fit into the Secondary curriculum along with the UN's Sustainable Development Goals. What are they as it applies to Marine Environments and how can we help achieve them?

11.00AM

Morning Tea

11:15AM

Outdoor exploration of Ricketts Point Marine Sanctuary and introduction to our programs for Years 7 - 10 and VCE. Experience first hand the field work and data collection techniques used by students during excursions. Explore human impacts on the area and discuss the historical, cultural and community significance of the Marine Sanctuary and what measures are being used to preserve it for future generations.

12:30PM

Lunch and time to swim with whales.

1:00PM

Earth Scientist Dr James Driscoll will run a session to deepen educator **understanding of Climate Science in relation to the ocean.** What role does the ocean play in climate change and in return what impacts are affecting the ocean? Why understanding changes to our oceans are essential to understanding climate change.

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



Skills session

2:00PM

This session will workshop some of the methods and techniques necessary to collect data and information to measure impacts on the local environment. Techniques covered will include quadrat sampling, sand sampling, animal identification and will include a drone demonstration to help quantify local changes. We will also meet **Richard Pensak from Earthcare St Kilda** to talk about the **Northern Pacific Seastar** and how your students can contribute to Citizen Science.

Group discussion

3:00PM

Time to share your successes and limitations to improving ocean literacy in the classroom, meeting curriculum requirements and accessing data.

Discussion and questions

3:15PM

3:30PM End of program.

Special Guests



MEET THE SPEAKERS

Harry Breidahl

Harry is a prominent figure in marine education in Australia, active since 1970. He worked at the Gould League from 1977 to 1984 and founded the Tooradin Marine Life Centre in 1980. He later established Nautilus Education, serving as an author and environmental consultant. From 1989 to 2014, he was a teaching associate at Monash University. Now retired, he continues to promote Ocean Literacy both in Australia and internationally, receiving several local and international awards for his contributions.



Dr James Driscoll

James is the Director of STEM Outreach at Monash University's Faculty of Science - a role directed at enhancing scientific literacy in high schools and the community. He leads the outreach program for the School of Earth, Atmosphere & Environment, specialising in Earth science. Additionally, he teaches Environmental science at John Monash Science School, serves as Chair of Education at the Geological Society of Australia (Victoria), and is a Visiting Scientist at St Kevin's College. His research focuses on the evolution of river systems in geological history before land vegetation emerged.



Richard Pensak

Richard holds a Bachelor of Science in Molecular Biology and is currently pursuing Honours research in marine ecology, complemented by extensive practical experience in environmental education through his role as the Northern Pacific Sea star Coordinator with Earthcare St Kilda. Did you know removing 1 sea star, can prevent 20 million larvae from impacting local ecosystems?!

Gould League speakers



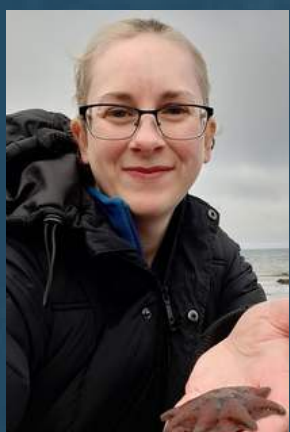
Anne-Maree McInerney

Anne-Maree is Gould League's General Manager. She is a highly regarded international sustainability thought leader, educator and advisor. Anne-Maree uses powerful and meaningful stories of transformation to inspire change. She creatively shows us that sustainability is not just an aspiration, it's a practical reality that is sweeping our businesses, communities and governance systems - providing significant financial, environmental and social returns.



Hakan Dellal

Hakan has been a Gould League Educator since 2012. He has experience in corporate social responsibility and was a founding member of Marine Care Ricketts Point Inc. He is dedicated to public and school education, holding qualifications in conservation and land management, along with postgraduate studies in marine science and management. Hakan focuses on enhancing Gould League's programs and enjoys finding innovative ways to engage people with the environment, fostering curiosity and connection to nature in both children and adults.



Rebecca Ceveri

Bec has been involved in marine education and conservation for almost twenty years. She completed a Bachelor of Science with majors in Marine Biology and Environmental Science. In her 10+ years of experience with Gould League she has been instrumental in delivering and writing our programs from Kinder through to VCE. Bec thoroughly enjoys the opportunity to introduce students to Victoria's unique marine biodiversity and influence community behaviour to produce positive environmental change.

FOR FURTHER INFORMATION CONTACT bookings@gould.org.au / 0431107389

This learning program is best suited to educators of secondary school students, school co-ordinators of incursions/ excursions, or leadership programs.

All attendees must be dressed suited for local weather conditions. We recommend comfortable walking shoes, water bottles, sunhats and sunscreen plus jackets as it can get quite windy and chilly on the rock platform.

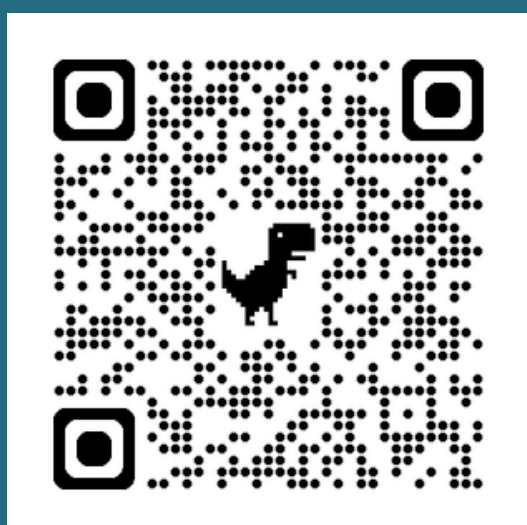
Attendees must advise any dietary requirements when booking. Unfortunately the outdoor space is not fully accessible. Please advise when booking if you have any physical limitations that may affect you accessing soft sand or uneven rocky surfaces.



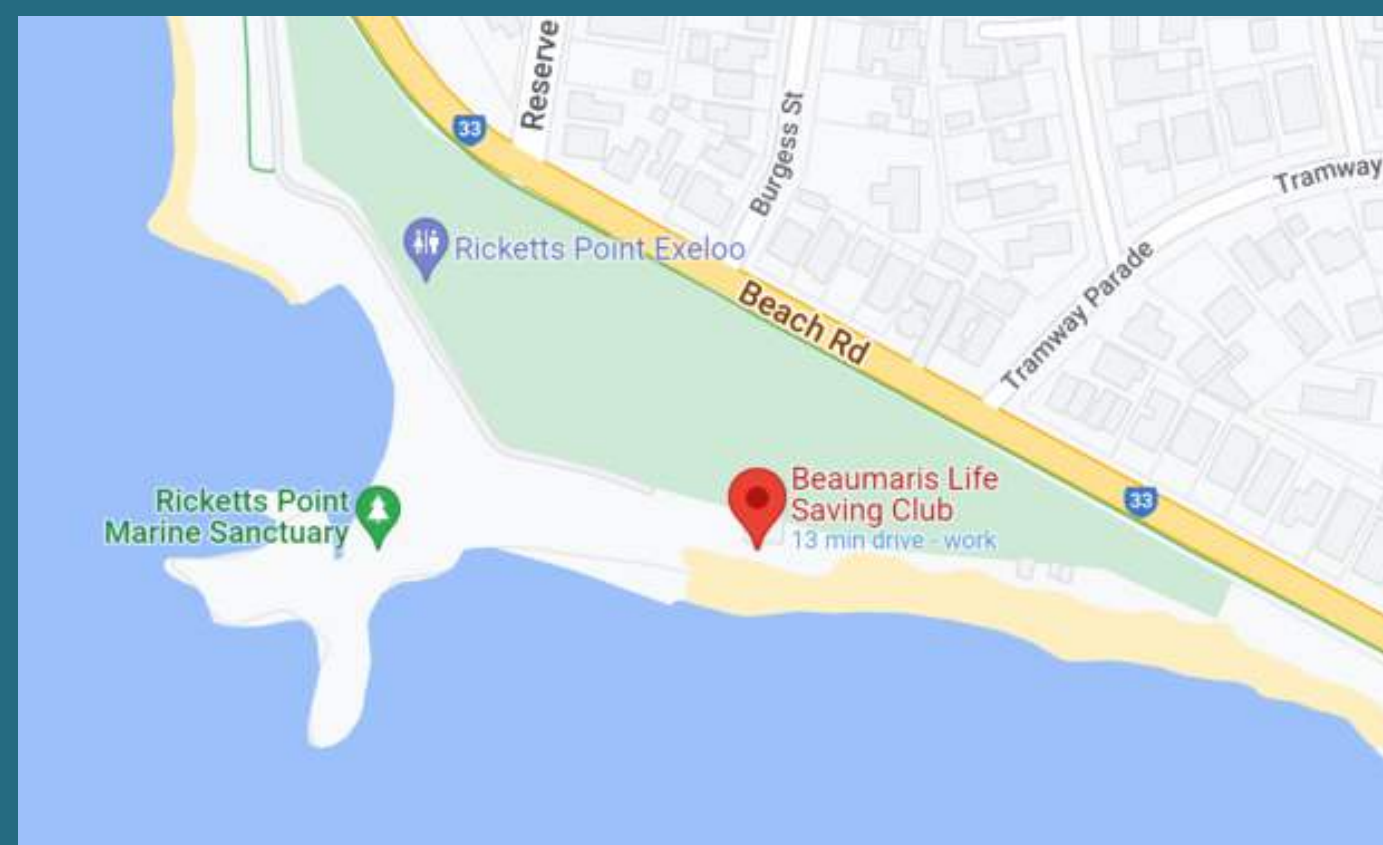
**FREE EVENT - INCLUDES
MORNING TEA & LUNCH**

**BOOKINGS ESSENTIAL
DUE TO LIMITED PLACES**

BOOK HERE



BEAUMARIS LIFESAVING CLUB



Discover why teachers come to our PD days...

"10 out of 10. The activities that would be run with students were great to experience. Harry & the 7 ocean principle were amazing and these can be used in my classroom. I highly recommend others attend."

Thalia - Science Teacher, Albert Park College

"10 out of 10. Lots of activities which we can instantly adapt to curriculum. Really hands on and informed. Knowledgeable and passionate presenters. I learnt so much about marine ecosystems and now feel empowered to pass on to other staff."

Catriona , Science Learning Specialist, Cheltenham Secondary College.

"Good range of indoor, outdoor and hands on activities. Very engaging and passionate presenters".

Siobhan, Science Teacher, The King David School.

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Email gould@gould.org.au