

# GET CURIOUS THIS AUGUST

National Science Week Tasmania

EVENTS & ACTIVITIES | AUGUST 2022



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# WELCOME TO National Science Week Tasmania



## MINISTER'S WELCOME MESSAGE

### THE HON. MADELEINE OGILVIE MP MINISTER FOR SCIENCE AND TECHNOLOGY

Science Week is our opportunity to celebrate the significant contributions of our Tasmanian scientists to the world of knowledge, and our way of life. It's our opportunity to share their discoveries, to ask questions, to get our hands dirty and experience the wonder ourselves, and here in Tasmania we have a lot to be proud of.

I'm delighted to welcome our new Science Week Patron, Dr Jess Melbourne-Thomas, to the role in 2022. Dr Melbourne-Thomas is a leading Antarctic climate change scientist, transdisciplinary researcher and knowledge broker working to engage as many people as possible in science, sustainability and the environment.

She is also the 2020 Tasmanian Australian of the Year and one of Australia's first 30 Superstars of STEM focused on shifting the traditional stereotypes of working in science, technology, engineering and mathematics.

Science Week encourages the widest of audiences from our youngest citizens to adults and seniors, from amateurs to professionals, and everyone in between. It is one of Australia's largest festivals and here in Tasmania we do it in style.

This year indigenous science is in the spotlight nationally and we have the scientific storytelling and visual art production, *lutruwita in Deep Time: a journey through art, science and song*, touring across the north and west of the state from Scottsdale to Queenstown.

QVMAG in Launceston will explore traditional Aboriginal astronomical knowledge and star stories with their *Starry Starry Night* event.

Acoustic monitoring workshop, *Presenting: Ping! Chirp! Squeak!*, will be in Swansea in the East. The Science Gig returns to Circular Head and there will be a celebration of the Huon Pine down South in the Huon Valley.

In Hobart the always popular *Festival of Bright Ideas* will inspire our young people with hands on activities and performances, *The Fabulous, Freaky, and Fierce World of Female Reproduction* will challenge stereotypes of the 'passive female' and *ExBEERimental Science* will be hosting both an in-person beer tasting event and watch parties across Tasmania and Australia.

*Beaker Street Festival* will again delight crowds right around the state in early August with their ten-day extravaganza. The party starts at the Festival Hub at TMAG in Hobart and finishes in the pristine dark skies of Triabunna.

With heartfelt thanks to all everyone that makes Science Week in Tasmania possible, bringing the joy of science into our communities this August, I encourage you to mark up your favourites in this program and get out there – science is for all of us.



## FROM OUR PATRON

### DR JESS MELBOURNE-THOMAS

Dear Tassie: I'm thrilled! It's finally time  
And as patron I offer a science week rhyme...  
The excitement's been building (it does every year)  
As Tas National Science Week starts to draw near

So much to learn, so much to explore  
Climate change, robots... so very much more!  
Plankton and microscopes, possums and fish  
Festivals, music – what else could you wish?

Talks and performances, science and art  
All of this really is only the start!  
Here are the science steps, 1, 2, and 3:  
Hypothesize; test; then explain what you see

For kids and for grown-ups, so much to uncover  
From space to the classroom, it's yours to discover  
Be inspired, excited, curious, aware  
I really can't wait to see you all there!

Most events are free unless otherwise stated. Please check event websites for up to date information.

The Tasmanian National Science Week committee acknowledges the Traditional Custodians of lutruwita, Tasmania and respects the palawa/pakana people for their culture and knowledge systems. We pay our respects to Elders past and present and thank all the community members who are assisting in the delivery of the state-wide program in 2022.

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## KEY TO EVENTS:

|                |                |            |
|----------------|----------------|------------|
| Community Expo | Film Screening | Workshop   |
| Competition    | Online         | North      |
| Food/Drink     | Outdoor        | North West |
| Exhibition     | Performance    | North East |
| Family         | Talk           | South      |
| Festival       | Tour           |            |



## BEAKER STREET FESTIVAL

### PRESENTS

## DR KARL LIVE AT THE ODEON THEATRE, HOBART

SATURDAY 6 AUGUST, 3PM

Laugh your way through critical thinking and finish off with four messages of good hope. Stick around after the talk for a Q&A and drinks at the Odeon Bar with Dr Karl, and (spoiler alert) a surprise musical performance. Then head on down to the Tasmanian Museum and Art Gallery for Night Two of the Beaker Street Festival Hub from 6pm.

Tickets: \$40/\$30/\$15

Book at [beakerstreet.com.au/dr-karl](http://beakerstreet.com.au/dr-karl)

View the full Beaker Street Festival program at [beakerstreet.com.au](http://beakerstreet.com.au)



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[sciencetasmania](https://www.facebook.com/sciencetasmania)  
#scienceweek

Details correct at time of printing but are subject to change. For up-to-date information please visit [scienceweek.net.au](http://scienceweek.net.au).

In Tasmania, National Science Week is supported by Inspiring Australia, the University of Tasmania and the Tasmanian Government, and is coordinated by the Tasmanian National Science Week Coordinating Committee that works with event holders to develop, produce and promote a state-wide program of events.





## IMPACTS! ROCKS FROM SPACE COLLIDING WITH PLANETS



### Australian Institute of Physics

Join A/Professor Katarina Miljkovic from Curtin University as she outlines her work on the physics behind meteorite impact processes. She will advance our understanding of the structure and evolution of the Solar System by using data from NASA space missions she collaborates with.

9 August, 8 – 9pm

Physics Lecture Theatre 1, UTAS, Sandy Bay, Hobart  
Bookings Essential: check website  
[aip.org.au/Women-in-Physics-Lecture-Tour](http://aip.org.au/Women-in-Physics-Lecture-Tour)

## STARRY STARRY NIGHT: CELESTIAL NAVIGATION ACROSS THE AGES



### Queen Victoria Museum and Art Gallery

Be immersed under the stars in the Launceston Planetarium. Watch the animated adventure Nga Tohunga Whakare - The Navigators - to discover how the night sky guided the journeys of First Nations people. Hear from celestial navigator Jeremy Parker and astronomer Chris Arkless as they discuss how the stars have assisted voyagers throughout time.

12 August, 6 – 7:30pm

QVMAG, 2-4 Invermay Road, Invermay  
Bookings Essential: [beakerstreet.com.au/events/celestial-navigation/](http://beakerstreet.com.au/events/celestial-navigation/)  
\$20/\$15 concession



## THE FABULOUS, FREAKY AND FIERCE WORLD OF FEMALE REPRODUCTION



### University of Tasmania

Think the vagina is a simple tube? Think again! Explore our 3D animal vaginas and hear wacky and unexpected tales of female animal reproduction. Learn about multi-chambered vaginas and temporary passages, elongated clitorises, pseudo-penises, vaginas that sort sperm, and armoured vaginal openings!

12 August, 5:45 – 9pm

Simple Cider, 189 Elizabeth Street, Hobart  
[tinyurl.com/5eu2w773](http://tinyurl.com/5eu2w773)

## A TRIP TO A SOUTHERN TASMANIAN BEACH AND MARINE DISCOVERY CENTRE



### Australian Association for Environmental Education (Tasmania)

An excursion for people who are new to Tasmania to explore our stunning marine environment, and the threats to it. The trip also includes a special visit to the Marine Discovery Centre.

13 August, 9:30am – 4:30pm

Marine Discovery Centre  
3509 Channel Highway, Woodbridge  
Bookings Essential: Text or call Jenny Dudgeon on 0438 283 872 to book  
[woodbridge.education.tas.edu.au/marine-discovery-centre/](http://woodbridge.education.tas.edu.au/marine-discovery-centre/)



## BIG DAY OF SCIENCE



### Queen Victoria Museum and Art Gallery

The Big Day of Science brings together QVMAG and scientists from the Launceston and Northern Tasmanian community and showcases the science that is happening all around us.

13 August, 10am – 4pm

QVMAG, 2-4 Invermay Rd, Invermay  
[qvmag.tas.gov.au](http://qvmag.tas.gov.au)

## WINGS WILDLIFE PARKS JUNIOR KEEPER PROGRAM



### Wings Wildlife Park

Get involved in National Science Week by discovering The Science of the Bee in the heart of where it all takes place. Get a taste of what is involved in working behind the scenes at Wing's Wildlife Park - home to the largest collection of Tasmanian wildlife in Australia.

13 August – 14 August, 10:30am – 2:30pm

Wing's Wildlife Park, 137 Winduss Road, Gunns Plains  
Bookings Essential: 03 6429 1151  
\$85  
[wingswildlifepark.com.au](http://wingswildlifepark.com.au)



## KITCHEN SCIENCE AND AMAZING CHOCOLATE CREATIONS



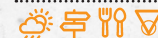
### Latrobe Council

Be prepared for an exciting journey of discovery in the chocolate kitchen with science guru Zac and his kitchen sidekick as they create tasty treats and explain the science behind them and the induction cooker they are using. A not so serious presentation with tasting included.

14 August, 11 – 11:45am and 2 – 2:45pm

Latrobe Council Chambers, 170 Gilbert Street, Latrobe  
Bookings Essential: [chocolatewinterfest.com.au](http://chocolatewinterfest.com.au)  
\$5/\$20 per family

## THE MIDLANDS BIODIVERSITY FIELD DAY



### Nipaluna Nursery

A bus tour with lead scientists, educators and farmers from Beaufront and Lewisham properties showcasing research, ecological management and restoration over the last 15 years. This will include innovative techniques in revegetation under a changing climate and making connections through education. It will include a practical planting session with plants grown by Nipaluna Nursery.

14 August, 9am – 4:30pm

Kickstart Arts Centre, Building 1831 South  
12 St Johns Avenue, New Town TAS  
Bookings Essential: [tinyurl.com/mr2fkct3](http://tinyurl.com/mr2fkct3)  
\$20 /\$10 concession (includes bus and lunch)

## LEARN HOW TO EAVESDROP ON ANIMALS WITH CALLTRACKERS



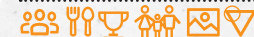
### The Bookend Trust

Discover how scientists listen in on the secret lives of bats and bitterns. We'll introduce you to the animals, gadgets, and the scientists. Learn how you can eavesdrop on wildlife and decipher their calls with local scientists Dr Lisa Cawthen and Dr Jim Lovell.

14 August, 4pm to 6pm for general public in Swansea  
15 August, 9am to 2:30pm for schools in Triabunna

Bookings Essential: [naturetrackers.com.au/about/events-calendar](http://naturetrackers.com.au/about/events-calendar)

## CIRCULAR HEAD SCIENCE GIG



### Circular Head Council

The Science Gig is a free, fun, family-friendly event celebrating all things STEM. Challenges and activities to do, it's a great time for all to have fun and learn along the way. Compete with family/ friends in the MacGyver Challenge, a canteen to keep you fed and school comp winners announced!

15 August, 4:30 – 8pm

Circular Head Community and Recreation Centre  
72 Nelson Street, Smithton  
[circularhead.tas.gov.au/community-and-recreation](http://circularhead.tas.gov.au/community-and-recreation)



## FERAL INVASIVE SPECIES



### Bob Holderness-Roddam

What are invasive feral species (animals and plants, etc.)? Why are they a problem? Where are they? How did they get there? What can we do about them? Come find out with case studies from around the world – including Australia and Tasmania.

15 August, 6 – 7pm

Social Science Room 210, Sandy Bay Campus  
Bookings: email Bob at [rholdern@utas.edu.au](mailto:rholdern@utas.edu.au)

## CLIMATE CHANGE ADAPTATION: WHAT IT MEANS FOR TASMANIA



### Australian Meteorological & Oceanographic Society (AMOS), Australian Marine Sciences Association (AMSA) and University of Tasmania

Explore climate change adaptation from the cutting-edge science to on-the-ground action. Learn what is happening locally to adapt to the impacts of climate change and discover Tasmania's role in broader programs like the National Environmental Science Program.

17 August, 6 – 7:15pm

Online Only  
Bookings Essential: [tinyurl.com/tfbajz4k](http://tinyurl.com/tfbajz4k)  
[utas.edu.au/events/island-of-ideas](http://utas.edu.au/events/island-of-ideas)



# What's On



## THE HUON VALLEY HUON PINE CELEBRATION - COUNTING TWO THOUSAND TREE RINGS AT GEEVESTON



### Giant Tree Expeditions

A practical, hands-on intro to dendrochronology workshop at the Geeveston Town Hall, counting rings on a giant disk of Huon pine approximately 2,000 yrs in age. We aim to make this piece of wood a remarkable science education tool for understanding deep time.

21 August, 1 - 3pm

Geeveston Town Hall, 15 Church Street, Geeveston  
Bookings Appreciated: [giant-trees.com/huon-pine-celebration](http://giant-trees.com/huon-pine-celebration)

## THE HUON VALLEY HUON PINE CELEBRATION - AT FRANKLIN WITH THE WOODEN BOAT SCHOOL



### Giant Tree Expeditions

Let's celebrate Huon Pine, one of the world's longest-living tree species and a natural scientific ambassador, through artisan wood technologies and a screening of a Huon Pine segment recently filmed with ABC Catalyst.

21 August, 10am - 12pm

The Palais Theatre, 3388 Huon Highway, Franklin  
Bookings Appreciated: [giant-trees.com/huon-pine-celebration](http://giant-trees.com/huon-pine-celebration)

## HUON VALLEY STEM TOUR



### Circular Economy Huon

The Sustainable STEM tour of the Huon Valley will showcase STEM innovations in four progressive local businesses in the Huon Valley that promote career opportunities, skills and awareness of agricultural science, aquaculture, engineering, chemistry, technology and informing climate change science.

20 August, 10am - 4pm

Energy Hub, Huonville High School  
Wilmot Road, Huonville

Bookings Essential

Entry by donation

[tinyurl.com/yckybuay](http://tinyurl.com/yckybuay)

## ANTARCTIC ANIMALS: TALES FROM THE SOUTHERN OCEAN



### University of Tasmania

Hear stories from scientists who have been to the Antarctic and witnessed animals in the wild. Discover the challenges faced by Elephant Seals as they swim the Southern Ocean searching for food. Uncover the amazing role of krill in the polar regions and find out what they're telling us about the changing climate. Join our experts to learn what the cool-climate creatures would tell us, if they could.

25 August, 6:30 - 7:30pm

Online

Bookings Essential: [tinyurl.com/mpfat4x9](http://tinyurl.com/mpfat4x9)

[utas.edu.au/events/island-of-ideas](http://utas.edu.au/events/island-of-ideas)

## COMMUNITIES FOR CHILDREN'S COMPOSTING, RECYCLING, AND RESPONSIBLE LIVING WORKSHOPS



### The Salvation Army; Resource Work Coop; Communities for Children

Share in our love for composting, upcycling, recycling, reusing, and curious learning through hands on workshops for schools, families and community members. Workshops and activities are happening across Brighton, Derwent Valley, Central Highlands and Southern Midlands areas.

Details: [sites.google.com/resourceetipshop.com/home](http://sites.google.com/resourceetipshop.com/home)

Bookings Essential: email [jo.east@salvationarmy.org.au](mailto:jo.east@salvationarmy.org.au) and Lisa at [education@resourceetipshop.com](mailto:education@resourceetipshop.com)

[salvationarmy.org.au/tasmaniac4c/](http://salvationarmy.org.au/tasmaniac4c/)

## LUTRUWITA IN DEEP TIME: A JOURNEY THROUGH ART, SCIENCE AND SONG



### University of Tasmania/Science in the Pub

Join us on a spectacular journey through lutruwita's deep time: from our island's birth. Over a billion years ago, to the mountain crushing ice age that brought the arrival of the palawa people. This event will tell lutruwita's geological story through storytelling, music and live performance art.

2 September - 10 September

Wynyard Yacht Club, 2A Old Bass Highway, Wynyard  
Paragon Theatre, 11 McNamara Street, Queenstown

Queen Victoria Museum and Art Gallery  
2 Invermay Road, Invermay

Valentino SafeCo, 1/1973 Main Road, Lilydale

Bookings Essential: [linktr.ee/Yyan\\_and\\_Emily](http://linktr.ee/Yyan_and_Emily)

\$20/\$15 concession

[facebook.com/YyanandEmily/](http://facebook.com/YyanandEmily/)

Contact: Penelope Jones 0490 389 415

[penelope.jones@utas.edu.au](mailto:penelope.jones@utas.edu.au)

# EXBEERIMENTAL SCIENCE

SCIENCE MADE BEERABLE

NATIONAL SCIENCE WEEK



7PM FRIDAY 19TH AUGUST

SHAMBLES BREWERY, HOBART + LIVE STREAMED EVENT



Tix

## FOUR BEERS, FOUR BREWERS, FOR SCIENCE

ExBEERimental Science is a beer tasting event by Science Made Beerable sampling the science behind beer. Four Australian indie breweries will each craft an experimental brew to be explored in depth during the live-tasting panel event. Scan the QR code to order your 4-pack and join the live stream from home: [beerablescience.com](http://beerablescience.com)



Major Partners:



Brewery Partners:





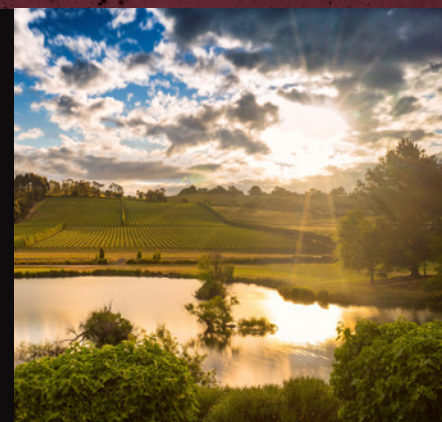
CRAIG REUCASSEL  
 DEAF GAIN  
 EXCLUDED & EXPLOITED BY SCIENCE  
 LIFE ON MARS  
 DR KARL  
 KRYSTAL DE NAPOLI:  
 ABORIGINAL ASTRONOMY  
 INGRID MARTIN + TSO  
 BEAKER STREET CRAWL  
 JANE LONGHURST: REQUEST  
 PROGRAMME  
 TASSIE SCIENCE ROAD TRIP  
 NOCTURNA @ SPRING BAY MILL  
 DARK SKIES + WHISKY  
 WHEN WATER FALLS  
 EMILY SANZARO  
 SCIENCE PHOTOGRAPHY PRIZE  
 FESTIVAL HUB @ TMAG  
 TALKS + IDEAS + MUSIC + BARS  
 150+ SCIENTISTS

# BEAKER STREET FESTIVAL

SCIENCE AND ART

5-14 AUGUST 2022

FULL PROGRAM & TICKETS:  
 BEAKERSTREET.COM.AU



## BEAKER STREET FESTIVAL HIGHLIGHTS

### NORTH

#### SCIENCE OF THE STADIUM

Hear from Hawthorn and UTAS sports scientists, and the team behind the stadium, about the science of on-field performance and creating one of the best grounds in Australia.

14 August, 2pm - UTAS Stadium, Launceston

#### HOW DO YOU PUT A DOLLAR VALUE ON NATURE?

Catch Professor Darla Hatton MacDonald's talk on the revolutionary field of environmental accounting. Stay for a chat in the bar with Darla and Dr Karl following the talk.

10 August, 5:30pm - Peppers Silo Hotel, Launceston

#### CELESTIAL NAVIGATION THROUGH THE AGES

Discover how the night sky guided the journeys of First Nations people.

12 August, 6pm - QVMAG Planetarium, Launceston

#### SCIENCE OF SPARKLING

Join wine scientist Karina Dambergs and Josef Chromy winemakers for an in-depth (and tasty) tour of the vineyard.

14 August, 11am - Josef Chromy, Launceston

### SOUTH

#### FESTIVAL HUB @ TMAG

Talks, ideas, roving scientists, music, art, food and drink and so much more — this is Beaker Street Festival in its purest form. Entry is free, subject to capacity, but all talks are ticketed and require pre-booking.

5 and 6 August, 6pm - late  
 Tasmanian Museum and Art Gallery, Hobart

#### DINNER, WHISKY AND STARS

An evening of stargazing, telescopes, whisky, and a delicious meal, while learning about the night sky with astronomer Dr Martin George and Dark Sky Tasmania president Landon Bannister. Hobart shuttles available.

7 August, 5pm - McHenry Distillery, Port Arthur

#### WHO BREW? MOO BREW

Join Moo Brew head brewer Jack Viney for an insight into the science of fermentation and the importance of yeast in the brewery.

7 August, 3pm - Hadley's Orient Hotel, Hobart

#### SCIENCE AND STORYTELLING AT THE ZINC WORKS

Join legendary storytellers Jackie Kerin and Young Dawkins at Nyrstar to learn about the journey of zinc and the migratory birds associated with the Derwent. Stay for a chat with some of Nyrstar's scientific and technical crew.

7 August, 1pm - Nyrstar, Lutana

### EAST

#### DARK SKY DINNER

A three-course, candle-lit dinner at Spring Bay Mill. Hear from Professor Philip Boyd and Professor Catriona Hurd about how "marine afforestation" can help stave off climate change.

12 August, 6pm - Spring Bay Mill, Triabunna

#### NOCTURNA

Our Dark Sky party at Spring Bay Mill featuring Krystal De Napoli on Aboriginal Astronomy, a feature performance of When Water Falls, telescopes, scientific talks, live music, a wood-fired sauna by the sea, astrophotography, East Coast food and drink, and a hidden bunker bar.

13 August, 3pm - late - Spring Bay Mill, Triabunna

### ROAD TRIP

Explore Tasmania alongside some of the state's most interesting and accomplished scientists, and Dr Karl!

Take a deep dive into four iconic locations — Hobart, Cradle Mountain, Launceston, and Tassie's East Coast.

At each stop, you'll hear from some of the state's most prominent scientists on issues relevant to the local area, with talks, guided walks, and dinners.

Join us at every stop of the Trip, or choose your own adventure.

Learn more at [www.beakerstreet.com.au](http://www.beakerstreet.com.au)

#### Major Partners:



#### Festival Supporters:



#### Media Partner:







# FESTIVAL OF BRIGHT IDEAS

**SCIENCE FOR THE CURIOUS AND CREATIVE**

SATURDAY 20 AUGUST, 9AM – 4.30PM • PRINCES WHARF 1, HOBART

\$10 PER ADULT • \$15 FOR TWO ADULTS • UNDER 18 FREE

Fizzing with exciting science to blow your mind, FOBI is a unique community festival celebrating the brightest innovation, research and technology happening in Tasmania.

For one day only Tasmania's science superstars can all be found under one roof, presenting immersive science experiences for people of all ages. Explore, create, experiment and learn from the folks harnessing the power of science in their day-to-day work.

FOBI is a ticketed event with strictly limited numbers - book early to ensure you can attend in your preferred timeslot(s).

**TICKETS ONLINE AT [FESTIVALOFBRIGHTIDEAS.COM.AU](http://FESTIVALOFBRIGHTIDEAS.COM.AU)**

## HIGHLIGHTS ON THE LIGHTWAVE STAGE

PIRATECHNIQUES 101 -  
THE SCIENCE OF PIRACY

FUTURE ENERGY WITH THE DOCTOR

JURASSIC POOP!  
THE ORIGIN OF FAECES

**+ MORE THAN 40 HANDS-ON  
ACTIVITIES AND A SHEDLOAD  
OF SCIENTISTS ON HAND TO  
SHARE THEIR LOVE OF STEM  
WITH YOU.**

## FROM LITTLE THINGS BIG THINGS EXPLODE

A BRAND NEW SHOW PRODUCED  
IN TASMANIA BY RENOWNED  
THEATER DIRECTOR MAEVE  
MHAIRI MACGREGOR, STARRING  
FIVE LOCAL EMERGING SCIENCE  
COMMUNICATORS.

Major Partner:



Presented by:



\*Supported by:



Media partner:



Produced by:



In the interests of community health and looking after one another we encourage all visitors to FOBI to wear a mask, and please stay home if you are feeling unwell.



MARS BUTTFIELD-  
ADDISON

RHIANNON TERRY

MARLVIN ANEMEY TEWARA

JARED MAGYAR

# YOUNG TASSIE SCIENTISTS

Find out what scientists really do!

YOUNGTASSIESCIENTISTS.COM

Young Tassie Scientists are early career researchers and scientists who are passionate about science and love sharing their work! They present talks and activities based on their research to communities around Tasmania. Come meet some of this year's Young Tassie Scientists at Science Week events near you!

## RHIANNON TERRY

### Natural Product Bio-Prospector

Chemist, University of Tasmania

Have you ever wondered what makes a flower smell, or why koalas love eucalyptus? These are the kinds of mysteries Rhiannon works to solve, by looking at the chemicals found in these plants.

## ALEX PATON

### Tagging Tabbies

Applied Ecologist, University of Tasmania

Alex works on invasive species management and her study species is feral cats. Using camera traps, satellite data and with long hours of field work, she figures out where feral cats live, how many there are, what they eat and exactly what their impacts are on the environment?

## JARED MAGYAR

### Between a Rock and a Cold Place

Geophysicist, University of Tasmania

Jared works on understanding glacier behaviour with the help of computer simulations. This will help to understand glacier movements and the scenarios under which the glacier slides faster into the ocean and causes sea level to rise more quickly.

## MARS BUTTFIELD-ADDISON

### Computer Scientist

Computer Engineer, University of Tasmania

Mars trains computers to use their sensors such as cameras and microphones to solve complex scientific problems. Currently, she works with computers connected to giant telescopes and outer space satellites to ensure that there are no traffic jams in space.

## MARLVIN ANEMEY TEWARA

### Microscopic Mischief

Environment Health, Menzies Institute for Medical Research, University of Tasmania

Do you ever think of the tiny particles floating in the air, helping carry the smell of the flowers, fresh rain on soil but also making us sneeze and cough? Marlvn studies these living and non-living particles to help understand their impact on our health.



# National Science Week Tasmania

## A BIG THANK YOU TO OUR AMAZING EVENT HOLDERS!

THANKS TO THE COUNTLESS ORGANISATIONS, BUSINESSES, AND INDIVIDUALS WHO HAVE CREATED SPECTACULAR, DIVERSE AND INCREDIBLY INSPIRING NATIONAL SCIENCE WEEK EVENTS THIS YEAR!



## LEARN BEYOND THE CLASSROOM

### STUDY STEM AT THE UNIVERSITY OF TASMANIA

Study alongside leading industry minds, seeking out solutions to the world's most pressing problems. You'll get hands-on experience, access to cutting-edge facilities, and the opportunity to collaborate with an island of curious minds.

Visit [utas.edu.au/study/areas/science-technology-and-engineering](https://utas.edu.au/study/areas/science-technology-and-engineering)

## SUSTAINABILITY... IT'S NOT OVER

### WHEN SCIENCE WEEK IS OVER DON'T FORGET THERE'S ALWAYS A BIT MORE SCIENCE LEFT!

Sustainability, focusing on meeting the needs of the present without compromising the ability of future generations to meet their needs, is an increasingly important area of science and our society. What better way to be sustainable than to reuse, repurpose, and then recycle this very guide! (Yep, the one you're holding in your hands right now!) This program is compostable (please remove staples first) and can either go in your home composting or in your food organics and garden organics (FOGO) bin, if available in your council area.

If you would like to know more about the benefits and types of composting, how to build your own, tips to reduce food waste, or what will happen to your program over time, check out this resource from Good Life Permaculture: [www.hobartcity.com.au/files/content/public/residents/recycling-and-rubbish/fogo-and-compost/home-composting-in-hobart.pdf](https://www.hobartcity.com.au/files/content/public/residents/recycling-and-rubbish/fogo-and-compost/home-composting-in-hobart.pdf)



**INSPIRING TASMANIA**  
CONNECTING SCIENCE AND COMMUNITY

## CONNECTING SCIENCE AND COMMUNITY

Inspiring Tasmania features year-round science events and resources designed to connect science and community across Tasmania. And there is truly something for everyone!

Are you looking for fun, free events all year? Are you curious about what's happening around you? Do you have a bit of free time and want to participate in a real science research project? Would you like to discover science experiences like museums, parks, and wildlife sanctuaries? Do you want to add to your social calendar with science clubs for the curious of all ages?

And don't let the word 'science' put you off - we're talking flying drones, eagle spotting, night sky exploration, photography, seeing Tassie's oldest trees, sketching wildlife and plants, meeting real scientists from all types of backgrounds talking about all kinds of topics! Sometimes even from the comfort of your own home.

FIND OUT MORE AND GET INSPIRED AT [INSPIRINGTAS.ORG.AU](https://inspiringtas.org.au)



Principal Partners: Inspiring Tasmania is supported by the University of Tasmania, the Tasmanian Department of State Growth and the Australian Department of Industry, Science, Energy and Resources.

## TASMANIAN STEM EXCELLENCE AWARDS 2022

Tasmanians who have excelled in science, technology, engineering, and mathematics (STEM), STEM teaching or STEM communication are invited to apply for:

- The Premier's Tasmanian STEM Researcher of the Year Award (\$10,000)
- The Minister's Tasmanian STEM Innovation of the Year Award (\$5,000)
- The Tasmanian STEM Primary Teacher of the Year Award (\$5,000)
- The Tasmanian STEM Secondary Teacher of the Year Award (\$5,000)
- The Tasmanian STEM Communicator of the Year Award (\$5,000)
- The Tasmanian STEM Early Career Researcher of the Year Award (\$5,000)

Applications Open: Friday 12 August 2022

Applications Close: Monday 26 September 2022

Application Form and Guidelines: [stategrowth.tas.gov.au](https://stategrowth.tas.gov.au)

Contact: [Amanda.GutweinBurke@utas.edu.au](mailto:Amanda.GutweinBurke@utas.edu.au)





# WITH THANKS TO ALL THE 2022 MEMBERS

THE TASMANIAN NATIONAL  
SCIENCE WEEK PROGRAM IS  
COORDINATED BY THE TASMANIAN  
NATIONAL SCIENCE WEEK  
COORDINATING COMMITTEE  
WHICH IS PRIMARILY MADE UP  
OF VOLUNTEERS.

Dr Adele Wilson, University of Tasmania/Young Tassie Scientists

Amanda Gutwein-Burke, University of Tasmania

Amanda Hughes, Science Teachers Association of Tasmania

Amber Power, Circular Head Council

Dr Ben Arthur, CSIRO

Belinda Brock, University of Tasmania

Brittany Trubody, TastroFest

Darren Beattie, Engineers Australia

Dipon Sarkar, University of Tasmania

Glenda Routley, Department of State Growth

Jenny Dudgeon, Sustainability Learning Centre

Linda Page, Queen Victoria Museum and Art Gallery

Dr Margo Adler, Beaker Street

Maria Dalla-Fontana, Department of State Growth

Dr Martin George, Ulverston Planetarium at Hive

Melissa Edwards, Tasmanian Museum and Art Gallery

Meredith Wilson, Luminous Events

Peter Wright, Department of Education

Rob Armstrong, City of Hobart

Dr Tiana Pirtle, University of Tasmania

Trish Hodge, Nita Education

The Tasmanian National Science Week Coordinating Committee  
invites Tasmanian businesses, community groups, scientists,  
and members of the public to create events for the 2023 program.

Funding is available through the national grant round, which opens  
in October and is a wonderful opportunity to bring larger projects  
to life. Local funding is available each year, supporting community  
events throughout Tasmania.

More information at [inspiringtas.org.au/grants/](https://inspiringtas.org.au/grants/)

## MERCURY

The Tasmanian National Science Week Coordinator Committee thank  
The Mercury for their support in bringing you this program.



Details correct at time of printing but are subject to change.  
For up-to-date information please visit [scienceweek.net.au/events](https://scienceweek.net.au/events)  
or contact event organisers.