



NATIONAL SCIENCE WEEK TASMANIA

PROGRAM OF EVENTS | AUGUST 2017

SCIENCEWEEK.NET.AU



WELCOME TO NATIONAL SCIENCE WEEK, TASMANIA



FROM THE MINISTER

Science Week delves into what is, what was and what could be. It is about discovery, understanding, ambition and imagination. It is human inventiveness and achievement in science, technology, engineering and maths that underpins the workings of our world from our basic routines through to the most advanced and creative thinking for the future.

As a state that is proud of being a science and innovation leader, Tasmania is set for yet another great week of thoughts, ideas, collaboration and exploration of how science does, can and will affect our world and way of life. This year we welcome Dr Karl Kruszelnicki, astrophysicist Dr Katie Mack, and well-known science boffins Dr Graham Walker and Lish Fejer as some of our great line-up of guests to Tasmania.

Science Week in Tasmania has something for everyone, with major festivals in all parts of the state. Young Tassie scientists will be bringing fun and interactive demonstrations straight into classrooms all over the state. I also look forward to the first ever BeakerStreet@TMAG after-hours pop-up science bar to bring science to the populace like never before.

Every year it takes a small army to bring to life more than 150 events around the state during National Science Week, bringing science to museums, galleries, cafes, community centres, libraries, workplaces, schools and the Tasmanian Parliament.

Let Science Week inspire you and take you deep into the world of the possible.

HON MICHAEL FERGUSON MP
Minister for Information Technology and Innovation



FROM THE CHAIR

Making sense of the world is a vital endeavour for individuals and society, yet one that seems to be increasingly decoupling from reality. These are times when critical news can be dismissed as fake; when truths and alternative facts compete for clicks on social media. Public debate degenerates into baseless opinions and disputes rage on what to do about challenging global issues and a myriad of other problems.

Sometimes we don't need to do anything.

Sometimes it is enough to feel the wonder, the awe and the inspiration of the world around us. But sometimes, because we only have one planet, because justice matters or because simply we have a proclivity to enquire, we do want to know. That's when science comes into play.

Science literacy is a critical tool in knowing. Science literacy can inoculate us to the lies of vested interests and those who wish to obfuscate. We don't have to be a scientist to be scientifically literate – it is open to us all.

A journey into the world of science starts with a question and remains open to ever more questions – endless acts of curiosity and inquiry, of finding stuff out, puzzling over answers and trialling solutions – daily acts of freshness, new experiences, testing truths and dispelling falsities.

This program reveals a wealth of such freshness, wonder and awe. It offers a huge range of science events, workshops, activities and displays right across the state. We are incredibly fortunate in Tasmania to have so many talented scientists; inquisitive people who want to know and share and turn that knowledge into wisdom and action. People just like us.

Let's all be part of the biggest Festival in the country – see you at a National Science week event in Tasmania.

ANDY BAIRD
Chair, Tasmanian National Science Week
Coordinating Committee
Deputy Director, Engagement,
Tasmanian Museum and Art Gallery

Key to Events:

- Exhibition
- Children's University
- Community Expo
- Competition
- Dinner/Food
- Family
- Festival
- Performance
- Outdoor
- Talk
- Tour
- Workshop

**ALL EVENTS ARE FREE
UNLESS OTHERWISE STATED**

Grab the free app!



sciencetasmania
 natsciwtas
#natsciwk

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

Details correct at time of printing but are subject to change. For up-to-date information please visit scienceweek.net.au/events or download the mobile app on the Apple App or Google Play Stores.

SCIENCE OPEN SEASON
Science Open Season returns to investigate Future Launceston, life in space, native foods, crazy science, the night sky and tours of darkened galleries.

TASTROFEST
Tasmania's Astronomy Festival - stormtroopers, workshops, virtual reality, aurora photography and special guests.

FESTIVAL OF BRIGHT IDEAS
Science for the curious and creative.

BEAKERSTREET@TMAG
Scientists, jellyfish, drinkable DNA, cinema, storytelling, live music and more inhabit this enchanting pop-up science bar.

FIND EVENTS NEAR YOU

- SOUTHERN EVENTS, PAGES: 6 – 17
- NORTHERN EVENTS, PAGES: 18 – 19
- NORTH-WEST, WEST AND STATEWIDE, PAGES: 20 – 21

See scienceweek.net.au for additional events

GET INVOLVED IN CITIZEN SCIENCE!

CITIZEN SCIENCE BRINGS SCIENTISTS AND THE WIDER COMMUNITY TOGETHER TO WORK ON IMPORTANT SCIENTIFIC PROJECTS RANGING FROM COLLECTING ENVIRONMENTAL DATA, CLASSIFYING PHOTOS OF DISTANT GALAXIES TO PLAYING COMPUTER GAMES THAT HELP BUILD MODELS OF BRAIN CELLS.

THIS NATIONAL SCIENCE WEEK, WHY NOT GET INVOLVED IN A CITIZEN PROJECT OF YOUR CHOICE? HERE ARE SOME IDEAS OR FIND MORE PROJECTS AT WHYSCI.ORG.AU/CITIZEN-SCIENCE

redmap
SPOT. LOG. MAP.

GREAT AUSTRALIAN BIODIVERSITY CHALLENGE

Your quest is to find and/or identify as many animals, plants and other living things as you can during National Science Week. Sightings can be from anywhere in Australia. Submit your data through the fun outdoor mobile app, QuestaGame, and you'll receive expert feedback. QuestaGame will score your sightings based on their rarity, for location and season. And you'll have the chance to win some great prizes, all while helping to protect Australia's biodiversity! questagame.com/great-aussie-bio-challenge

REDMAP

Redmap (Range Extension Database and Mapping) is an online interactive project and smartphone app inviting you to record observations of marine species that are unusual in any given area. The data is used to map which marine species may be extending their distribution in response to changes in the marine environment, such as ocean warming.

redmap.org.au

SAVE THE BEES

The Save the Bees campaign is a citizen science investigation started by St Marys College student Chloe Cooper. Bees are important plant pollinators, but bee populations around the world are declining. Chloe wants to gather data about other types of plant pollinators by asking people to take a photo whenever they see a suspected pollinator (most likely some type of insect) on a plant or flower. Photos can be sent to Chloe via the Snapchat tag: [chloe.coop3r](https://www.snapchat.com/add/chloe.coop3r)

YOUNG TASSIE SCIENTISTS

THE YOUNG TASSIE SCIENTISTS HAVE BEEN BRINGING ENTHUSIASTIC LOCAL RESEARCHERS INTO THE COMMUNITY FOR 15 YEARS.

WE SPEAK WITH OVER 14,000 TASMANIANS IN CLASSROOMS AND AT FESTIVALS EACH YEAR, FROM FLINDERS TO BRUNY ISLAND, STRAHAN TO SMITHTON, AND EVERYWHERE IN BETWEEN!

FIND THE YOUNG TASSIE SCIENTISTS AT YOUR NEAREST SCIENCE WEEK FESTIVAL!

- TastroFest in Ulverstone (p20)
- Festival of Bright Ideas in Hobart (p14)
- George Town Science Expo (p19)
- Derwent Valley Expo in New Norfolk (p8)
- Huon Valley Science Expo in Huonville (p9)
- RoboCup Junior State Finals in Launceston (p19)

WORLD'S EASIEST COMPETITION!

WIN SCIENCE BOOKS, SCIENCE WEEK SHIRTS, CAPS AND MORE!

Find the Young Tassie Scientists at a National Science Week Festival near you, and enter the world's easiest raffle! Prizes will be given out at each event!

Can't get to a stall? You still have a chance to win – email youngtassiescientists@gmail.com and tell us which Young Tassie Scientist you'd like to meet and why!

MEET THE 2017 TEAM AT YOUNGTASSIESCIENTISTS.COM

SPEAKER PROFILE

SHASTA CLAIRE HENRY, BUGIRL

University of Tasmania PhD candidate entomologist, Shasta's insect-centric presentations may make you laugh, squirm or change your perspective on life! She loves insects because they are beautiful, with their shiny carapaces and bright wing patterns. They are tiny but complete, working organisms – it's like holding a galaxy the size of a marble in your hand.

Join Young Tassie Scientist, Shasta, during National Science Week in George Town (p19) and in Hobart (p6 and 17).



A TOUR OF THE UNIVERSE (AND SELECTED COSMIC MYSTERIES) WITH DR KATIE MACK

WOMEN IN PHYSICS LECTURE

AUSTRALIAN INSTITUTE OF PHYSICS, TASMANIA

Everything humanity has ever seen or experienced represents a tiny speck in a vast and mysterious Universe. What else is out there, and how are we figuring it out? Dark matter, dark energy, black holes, the fate of the Universe - delve into some of cosmology's most fundamental questions.

Tuesday 8 August, 8 - 9pm

Physics Lecture Theatre 1
University of Tasmania
Clarke Road, Sandy Bay
aip.org.au/category/tas/

LITTER BUGS

SOUTH HOBART TIP SHOP

Litter Bugs is an interactive taxonomy workshop for kids and their families, set in a bug filled environment. Learn from entomologist Shasta, the characteristics of insects, how to identify them on the fly and how to make anatomically correct models using materials destined for landfill.

Sunday 6 & Sunday 27 August, 1 - 3.30pm

7 McRobies Road, South Hobart

\$5 per child, parents free

RSVP essential:
education@resource.coop
03 6223 3891

SCIENCE SYMPOSIUM

ELIZABETH COLLEGE

We invite the community to join us for this special event. Hear from Year 11 and 12 students, who will be presenting their own research into Environmental Science and Society.

Tuesday 8 August, 1.30 - 3pm
Elizabeth College, Undercroft
256 Elizabeth Street, Hobart
elizabethcollege.tas.edu.au

THE FUTURE OF THE WORLD'S OCEANS

THE ROYAL SOCIETY OF TASMANIA

Coral reefs in the Anthropocene - what does the future hold? Geoengineering the planet: can we, should we try to offset global climate change? Two fascinating topics exploring possible future scenarios for our world's oceans.

Wednesday 2 August, 7.30 - 9pm

Stanley Burbury Theatre
University of Tasmania
2 Churchill Ave, Sandy Bay
rst.org.au

MINING IN TASMANIA - DINOSAUR OR DELIVERER?

ACADEMY OF TECHNOLOGICAL SCIENCES AND ENGINEERING

How important is mining in Tasmania? This public forum will raise community awareness and understanding of current issues around the future of mining. The forum will be addressed by experts in economics, sustainability, and environmental impacts, and moderated by Louise Saunders (ABC Radio). Complimentary refreshments for the first 50 guests, bar open until late.

Thursday 3 August, 7.30 - 10pm

Collins Room, RACV Apartment Hotel
154-156 Collins St, Hobart
RSVP recommended:
bit.ly/MiningTas2017

SPEAKER PROFILE

DR KATHERINE (KATIE) MACK

Dr Mack has studied dark matter, black holes, cosmic strings, and the formation of the first galaxies in the Universe, and welcomes all of your questions! Her popular science writing has appeared in a number of publications, online and in print. She maintains a blog, 'The Universe, in Theory', co-hosts the astronomy-chat YouTube series 'Pint in the Sky' and tweets as @AstroKatie. She regularly appears in public talks, seminars, and science outreach events. Dr Mack's statewide tour of Tasmania is part of the Australian Institute of Physics, Women in Physics lecture series. See p6 for event details.



INALA JURASSIC GARDEN AND NATURE MUSEUM

Visit Inala on Bruny Island, overflowing with Gondwanan flora, and the Inala Nature Museum, full of shells, fossils, minerals and other fascinating artefacts of the natural world. Designed across five acres of gently undulating land accessed by a winding, wheelchair friendly path, Inala's Jurassic Garden contains over four hundred species, thoughtfully planted in family groups. Observe how these living remnants have survived a diverse array of environmental conditions throughout time. Friendly staff will be available for Q and A throughout the day.

Sunday 13 August, 9am - 4pm

320 Cloudy Bay Road, South Bruny
inala@inalanaturetours.com.au

BACKSCATTER - THE VOYAGE OF THE INVESTIGATOR

INSTITUTE FOR MARINE AND ANTARCTIC STUDIES

An exhibition of the work of a media photo/videographer, choreographer and visual artist following a scientific voyage to Heard and McDonald Islands in the Southern Ocean.

Friday 11 - Sunday 27 August, 9am - 5pm

Institute for Marine and Antarctic Studies Gallery
20 Castray Esplanade, Battery Point
imas.utas.edu.au

WHAT IS THE JOB OF A MARINE SCIENTIST?

WRITING COMPETITION AND FILM SCREENINGS

AUSTRALIAN MARINE SCIENCE ASSOCIATION

A chance for young minds to meet and mingle with Marine Scientists. Come and see what a marine scientist's day is like, with short field movie screenings followed by Q and A.

Enter our short writing competition! Students in Years 5 - 10 are invited to compete for the chance to win a GoPro camera! Enter online at networktas.com

Saturday 12 August, 10.30 - 11.30am

Institute for Marine and Antarctic Studies
20 Castray Esplanade, Battery Point

SCIENCE AND WHALES

ENVIRONMENT DEFENDERS OFFICE, TASMANIA

Despite the International Court of Justice ruling that Japan's whaling program was not 'scientific', whaling in the Southern Ocean continues. Join Dr Nick Gales, Dr Tony Press and Indi Hodgson-Johnston to discuss the lack of scientific credibility in Japan's whaling program and what can be done about it.

Monday 14 August, 5.30 - 6.30pm

Aurora Theatre, Institute for Marine and Antarctic Studies
20 Castray Esplanade, Hobart

Gold coin donation

Free tickets available at
science-whales.eventbrite.com.au

3D PRINTING - THE FUTURE OF BODIES AND BEYOND

CREATIVE EXCHANGE INSTITUTE, UNIVERSITY OF TASMANIA

Be prepared to be amazed at the work of world-leading scientists and see what their interdisciplinary teams are doing at the cutting edge of 3D printing. Join Professor Dietmar Hutmacher (Queensland University of Technology) and Professor Michael Bredmore (University of Tasmania) to learn about the latest 3D printing innovations solving future challenges in fields such as medicine, technology and engineering.

Monday 14 August, 5.30 - 7pm

Stanley Burbury Theatre
University of Tasmania
2 Churchill Ave, Sandy Bay

Free tickets,
email: UTAS.events@utas.edu.au

DR KARL'S GREAT MOMENTS IN SCIENCE

TASMANIAN NATIONAL SCIENCE WEEK COORDINATING COMMITTEE

Sometimes described as an answer looking for a question, Dr Karl Kruszelnicki explains science as you've never heard it before! Join us for a whirlwind tour of scientific explanations and bizarre facts. Come and laugh and learn... and don't forget to bring your questions for the Q and A!

Sunday 13 August, 6.30 - 8pm

Stanley Burbury Theatre
University of Tasmania
2 Churchill Ave, Sandy Bay
\$6 entry fee, pre-purchase recommended

Tickets available at
trybooking.com/QJOS



PAST, PRESENT AND FUTURE - BIG CHANGES IN BIG PLACES

AUSTRALIAN METEOROLOGICAL AND OCEANOGRAPHIC SOCIETY, TASMANIA

Hear from our expert panel from the Institute for Marine and Antarctic Studies, CSIRO and Antarctic Climate Ecosystems Cooperative Research Centre (ACE CRC): Dr Felicity Graham, ice sheet modeller; Dr Mathieu Mongin, Biogeochemical Modeller; and Dr Stephanie Downes, physical oceanographer. They will discuss largescale changes to the Earth's ice sheets and oceans, and the relevance of these changes to Australia. Followed by Q&A session hosted by MC, Dr Tas van Ommen, glaciologist at the Australian Antarctic Division and ACE CRC.

Tuesday 15 August, 6 - 7:30pm

Stanley Burbury Theatre
University of Tasmania
2 Churchill Ave, Sandy Bay
amos.org.au

OUR WASTE, OUR WORLD, OUR FUTURE

CREATIVE EXCHANGE INSTITUTE, UNIVERSITY OF TASMANIA

Meet the inventors of the ecoFin - creating surfboard fins from waste! These three amazing presentations will help you understand the environmental challenges plastics pose and how, with a little bit of rethinking, plastic waste can be turned into something useful and what we can do to help.

Tuesday 15 August, 5.30 - 7pm

Aurora Theatre, Institute for Marine and Antarctic Science
20 Castray Esplanade, Battery Point
Free tickets,
email: UTAS.events@utas.edu.au

INTO THE VAULTS - AN EVENING AT THE STATE'S ZOOLOGY COLLECTION

TASMANIAN MUSEUM AND ART GALLERY

Unlock the vault and explore a space rarely seen by the public. You'll have an opportunity to be guided by TMAG scientists while investigating a collection that covers whales to weevils and thousands of animals in between. You'll also hear all about TMAG's latest research on Tasmanian animals.

Tuesday 15 August, 5.30 - 7pm

TMAG Rosny Collection and Research Facility
5 Winkleigh Place, Rosny Park

RSVP by COB Friday 11 August,
enquiries@tmag.tas.gov.au

Suitable for ages 13+

KRILL CONNECTIONS - WHY IS HOBART THE KRILL CAPITAL OF THE WORLD?

THE COMMISSION FOR THE CONSERVATION OF ANTARCTIC MARINE LIVING RESOURCES (CCAMLR)

Did you know that Hobart is the global centre of krill science and krill fishery management? Join expert speakers and see live krill in custom-made refrigerated tanks. Learn about the biology and ecology of this tiny Antarctic crustacean and explore human health claims about krill oil.

Wednesday 16 August, 6 - 7pm

CCAMLR Headquarters
181 Macquarie Street, Hobart

RSVP recommended, free tickets
available at bit.ly/KrillTas2017

DERWENT VALLEY SCIENCE EXPO

NEW NORFOLK HIGH SCHOOL

The inaugural Expo boasts an exciting line-up of student-led interactive science activities, displays of student science investigations, University of Tasmania hands-on science activities, fascinating presentations by Young Tassie Scientists and speakers from local industry.

Wednesday 16 August, 1 - 6pm

New Norfolk High School
101 Blair St, New Norfolk

Stuart Thorn, 0447 884 011

SCIENCE IN COURT - HOW SCIENTIFIC EVIDENCE CAN CHANGE THE OUTCOME OF A CASE

COMMUNITY LEGAL CENTRES TASMANIA

Have you ever wondered how scientific evidence is gathered, examined and presented in a criminal trial? Join lawyers Linda Mason and Kim Baumeler; forensic scientist, Dr Michael Manthey; and Chief Justice Allan Blow for a fascinating insight into cases where science was critical to securing a conviction.

Wednesday 16 August, 5.30 - 6.30pm

Supreme Court of Tasmania
5 Salamanca Place, Hobart

RSVP essential, email:
jess.feehelly@edotas.org.au

INTO THE VAULTS - AN EVENING AT THE TASMANIAN HERBARIUM

TASMANIAN MUSEUM AND ART GALLERY

Explore the vault's diverse collection on a tour guided by our scientists. The collection includes historical specimens that date from the earliest days of European exploration to new species discovered this year!

Wednesday 16 August, 5.30 - 7.30pm

Tasmanian Herbarium
College Road, Sandy Bay

RSVP essential, limited numbers:
Kim Hill, 03 6226 2635

SCIENCE WEEK QUIZ NIGHT

TASMANIAN NATIONAL SCIENCE WEEK COORDINATING COMMITTEE

Join us for a fine evening of entertainment at the Science Week Quiz Night. Not strictly a science quiz, although there may be some science-y themes... Bring your quizzical buddies to the Royal Tasmanian Yacht Club to feast on hearty meals, arm yourselves with tasty beverages and get your trivia on.

Wednesday 16 August, 6.30 - 9pm

Royal Yacht Club of Tasmania
Marievillle Esplanade, Sandy Bay

RSVP essential, register online at:
bit.ly/Quiz2017

\$2 cash per person, to be collected on the night

SCIENCE FAIR!

COLLINSVALE PRIMARY SCHOOL

The public is invited to visit our National Science Week Science Fair, with student-led interactive stations, with activities linked in with our science curriculum - join us to find out how these activities relate to our community and future learning opportunities. All students are invited to 'dress as a scientist' for the day!

Wednesday 16 August, 12 - 2pm

508 Collinsvale Road, Collinsvale

RSVP essential: 03 6239 0176

KEEPING THE WATER CLEAN: SEAWEED SOLUTIONS TO WASTE-WATER TREATMENT

UNIVERSITY OF TASMANIA

How can we allow the aquaculture industry to expand, but keep water clean enough to release straight into the sea? Professor Rocky de Nys, James Cook University, will discuss the broader application of using seaweeds to clean water, discussing his research with the aquaculture industry in Queensland for the treatment of discharge water from the intensive land-based production of fish and prawns.

Wednesday 16 August, 7 - 8pm

Aurora Theatre, Institute for Marine and Antarctic Science

20 Castray Esplanade, Battery Point

Free tickets via events.utas.edu.au

HUON VALLEY SCIENCE EXPO

HUONVILLE HIGH SCHOOL

A community-based science extravaganza including student-led interactive science activities, displays of student science investigations, robotics competitions, Tasmanian Space Program awards, University of Tasmania hands-on science activities, fascinating presentations by Young Tassie Scientists and speakers from local industry.

Thursday 17 August, 1 - 6pm

Huonville Primary School
74 Wilmot Rd, Huonville
Stuart Thorn, 0447 884 011

CONNECTING INTERNET OF THINGS (IOT) TO WIRELESS NETWORKS

HOBART MAKERS

IoT's involve the internet, data and everyday objects and are used in everything from cows to mobile phones to aeroplane engines! There are many ways connect IoT devices to the internet. Learn about cheap sensors and controllers you can put in your garden or house and explain the networks you can connect to, focusing on the new LoRa radios for low power and long range.

Thursday 17 August, 6.30 - 9pm

\$20 entry or \$60 entry with take-home sensor kit

Kickstart Arts Hall
next door to St. John's Cathedral
St. John's Avenue, New Town

RSVP essential:
hobartmakers.com/scienceweek

ZOOLOGY AFTER DARK

CITY OF HOBART BUSH ADVENTURES

When the sun comes down, the bush comes to life. Learn about Tasmania's fascinating native animals at dusk, when they are most active. Learn some of the skills and techniques that scientists use to study these creatures of the night.

Friday 18 August, 5.30 - 7.30pm

Waterworks Reserve, meet inside the gate on Waterworks Rd, Ridgeway (please park outside the gate)

\$8 per child, supper included

RSVP essential: 03 6238 2886

Suitable for children aged 7 to 12 years and their families

LEADERSHIP FOR WOMEN IN STEM: LESSONS FROM ANTARCTICA

UNIVERSITY OF TASMANIA

Women are underrepresented in science, technology, engineering, mathematics and medicine (STEMM) fields worldwide, particularly in leadership positions. Dr Nash will discuss her findings from a sociological study drawing on the experiences of 25 women in STEMM fields who were all participants in a three-week transformational leadership program in Antarctica in 2016. Facilitated by Professor Brigid Heywood, Deputy Vice-Chancellor (Research), University of Tasmania.

Thursday 17 August, 6 - 7:30pm

Aurora Theatre, Institute for Marine and Antarctic Science

20 Castray Esplanade, Battery Point

Free tickets via events.utas.edu.au

SEEING THE INVISIBLE WITH DR ELIZABETH NEW, RACI YOUTH LECTURER

ROYAL AUSTRALIAN CHEMICAL INSTITUTE, TASMANIA

Dr Elizabeth New from the University of Sydney will explain the fluorescence of everyday objects - from highlighters to spinach - and the many applications of fluorescence, including to forensic science and medicine.

Thursday 17 August, 6 - 7pm

Main Lecture Theatre,
Chemistry Building
University of Tasmania
Dobson Road, Sandy Bay

Free tickets online at: bit.ly/NewTas2017

SPEAKER PROFILE

JEREMY JUST

Well-known for his hugely popular Hobart performances, such as The Explosive Science of Light and Fire and The Cooler Side of Science, Jeremy returns once again to dazzle audiences at the Festival of Bright Ideas. As a passionate science communicator, Jeremy gets a huge amount of enjoyment from sharing knowledge with others, entertaining them, and watching them be amazed by the wonders of science. For show times, see p15.



Illustration: Django Fox

MARINE BIOLOGISTS



CITY OF HOBART BUSH ADVENTURES

Do you love the ocean? Would you like to know more about the way the ocean works and the animals that live there? Join Bush Adventures and be a marine biologist for a day, learning techniques to identify marine animals and discover their incredible life strategies.

Saturday 19 August, 10am - 12.30pm
Long Beach, end of Beach Rd, Sandy Bay (near Beach House Café)

\$8 per child, light snack included

RSVP essential: 03 6238 2886

Suitable for children aged 7 to 12 years and their families

MT PLEASANT OBSERVATORY AND GROTE REBER MUSEUM OPEN DAY



UNIVERSITY OF TASMANIA

As part of National Science Week, this family friendly event will include tours of the facility, 3D movies, face painting, rocketry and many other events! All welcome.

Saturday 19 August, 10am - 4pm

Mt Pleasant Radio Telescope
Denholms Rd, Cambridge

events.utas.edu.au

PUBLIC SOLAR VIEWING DAY



ASTRONOMICAL SOCIETY OF TASMANIA

Public observing of the Sun! Experienced observers will provide the telescopes and expert guidance and the opportunity to view sun spots and solar prominences with solar telescopes, in complete safety. The viewings will be part of the wide range of activities at the Mt Pleasant Radio Telescope and the Grote Weber Museum Open Day hosted by the University of Tasmania.

Saturday 19 August, 10am - 4pm

Mt Pleasant Radio Telescope
Denholms Road, Cambridge

Steve Harvey, email:
acrux6495@gmail.com

RESCUE TO RELEASE WORKSHOP



RAPTOR AND WILDLIFE REFUGE OF TASMANIA

Have you seen an eagle up close? At this workshop, you'll meet our resident eagles, hawks, owls and more as you explore the Raptor Refuge and learn all about the rescue through to eventual release of injured raptors. Check out our huge flight aviaries, flight tunnel and our amazing education centre.

Saturday 19 August, 10am - 12.30pm

\$55 adult, \$30 child

RSVP essential: raptorrefuge.com.au
Click on How to Visit Us

SEASHELL SCIENCE



CITY OF HOBART BUSH ADVENTURES

Join us for a special young children's sea life discovery program. Engage your curiosity with who's, what's and whys of the animals that you can find the beach, delivered at a level appropriate for young children.

Saturday 19 August, 1.30 - 3pm

Long Beach, end of Beach Rd, Sandy Bay (near Beach House café)

\$8 per child, light snack included

RSVP essential: 03 6238 2886

Suitable for children aged 3 to 6 years and their families

EMERGING ENTOMOLOGISTS



CITY OF HOBART BUSH ADVENTURES

Some people run screaming when they see me, while others spend their whole lives trying to find me. More than 80% of animal species on Earth belong to a group called 'Arthropods'. Come and uncover the mysteries of this fascinating group of animals.

Sunday 20 August, 10 - 12.30pm

\$8 per child, light snack included

RSVP essential: 03 6238 2886

Waterworks Reserve
Site 9, Waterworks Rd, Ridgeway

Suitable for children aged 7 to 12 years and their families

TASMANIAN BUSHFOODS - GROWING AND HARVESTING RESPECTFULLY



SOURCE COMMUNITY WHOLEFOODS

Learn how to identify, harvest and prepare Tasmanian edible natives, learn the cultural significance of local bushfoods, and the importance of bushfoods in our environment. You will also get hands on experience while helping to establish a native food garden.

Sunday 20 August, 10am - 4pm

12 French Street, Sandy Bay

\$15 Waged, \$10 Concession

RSVP essential:
orders@sourcewholefoods.org.au
03 6224 0055

TASMANIAN CLIMATE CHANGE STORIES FORUM



SUSTAINABILITY LEARNING CENTRE

Take some time to be extraordinary - participate in an innovative citizen science communication project. Hear Climate Change stories from an inter-generational climate panel. Help build a living library! Create a one minute Tasmanian climate change video, record your story or interview a local.

Wednesday 23 August, 10.45 - 12.10pm

50 Olinda Grove, Mt Nelson

RSVP by 18th August: sustainability.learningcentre@education.tas.gov.au

UNLOCKING THE MYTH OF THE SCIENTIST - HOW WE VIEW SCIENCE AND WHY IT MATTERS



SCIENCE JUNCTION

A warm evening of public discourse about the perceptions of scientists today by bringing together experts in science communication and literacy to share their thoughts over a pint of cider. Come along and join in, ask questions, share your view, and drink up!

Thursday 24 August, 6 - 8pm

Willie Smith's Apple Shed
2064 Huon Highway, Grove

RSVP recommended:
bit.ly/ScienceMythTas2017

A WONDROUS WORLD - BOTANICAL ART WORKSHOP



BOTANIKO

Botanical art serves as an essential scientific record, of special significance, as changing environmental and climatic conditions eradicate many species. Unlock the basic techniques of observation and recording used in botanical art. Learn how to apply these techniques to create a beautiful and accurate piece in a rare opportunity to work with non-teaching experts! Drawing materials provided.

Saturday 26 August, 11.30am - 12.10pm, and 12.30 - 1.10pm

Rm209, Engineering Building
University of Tasmania
Dobson Rd, Sandy Bay

RSVP essential:
webmaster@botaniko.org

BUILDING A PET BOTTLE GREENHOUSE



HUON COMMUNITY GARDEN

Learn the tips and tricks to building your own low-cost PET (polyethylene terephthalate) bottle greenhouse and propagate seedlings for spring! Discover the process of building a greenhouse using recycled PET bottles. Project manager Ben Horne, students from the Huonville High School energy team and conservation volunteers built the greenhouse to create a community space for plant propagation. You will see the finished greenhouse and learn practical tips and tricks, as well as learning how to propagate spring seedlings.

Saturday 26 August, 2 - 3pm

Huon Community Garden
Tennis Court Road, Huonville

Enquiries:
ben.horne@education.tas.gov.au

PRACTICAL HOME ENERGY ASSESSMENT



GREENING AUSTRALIA

Practical home energy assessment with a professional assessor to help you increase comfort, save energy, save money and become more environmentally friendly at home. Identify immediate no and low-cost actions you can take now, and visit another house demonstrating the positive impact of energy efficient changes.

Saturday 26 August, 2 - 5pm

Huonville High School
74-82 Wilmot Road, Huonville

RSVP essential: nelssmit@gmail.com

Gold coin donation

SPEAKER PROFILE

DISTINGUISHED PROFESSOR DIETMAR HUTMACHER

Visiting Hobart for one night only, Professor Hutmacher, Professor and Chair in Regenerative Medicine at the Queensland University of Technology, is an internationally renowned scientist. He will be inviting us into his world of 3D bioprinting - the culmination of his expertise is in biomaterials, biomechanics, medical devices and tissue engineering. Don't miss this chance to step into the future with Professor Hutmacher at the 3D Printing - The Future of Bodies and Beyond event, p7



Illustration: Annick Anselin, Botaniko

BEAKERSTREET @TMAG

BEAKERSTREET@TMAG IS AUSTRALIA'S FIRST POP-UP SCIENCE BAR, HELD IN HOBART'S ICONIC TASMANIAN MUSEUM AND ART GALLERY.

FRIDAY 18 AUGUST, 6 - 10PM
SATURDAY 19 AUGUST, 6 - 10PM
SUNDAY 20 AUGUST, 3 - 8PM

FREE EVENT | BOOK ONLINE: BEAKERSTREET.COM.AU

A SCIENTIFIC WONDERLAND FOR ADULTS FILLED WITH ODDITIES AND INTRIGUE, MICROSCOPES AT THE READY AND TEEMING WITH SCIENTISTS TO CHAT WITH OVER A DRINK. JOIN US FOR ENGAGING TALKS AND PRESENTATIONS BY PROMINENT LOCAL AND VISITING SCIENTISTS, HANDS-ON WORKSHOPS, SCIENTIFIC SHORT FILMS, GREAT LIVE MUSIC, SCIENCE STORYTELLING, SCRUMPTIOUS FOOD, PLENTY OF BOOZE, AND SCIENCE-INSPIRED SURPRISES AT EVERY TURN.

This event has been created for an adult audience. Some content may be inappropriate for children, but feel free to bring them at your discretion. For event enquiries, contact Margo Adler: margo@beakerstreet.com.au

For program details, additional activities, and to register for talks and workshops, visit www.beakerstreet.com.au or find our event at facebook.com/BeakerSt

This event is supported by



DETACHED



Programming Partners



INTERNATIONAL
SCIENCE FILM
FESTIVAL 2017

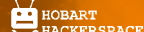


Photo: Matthew Newton



**EXPLORING THE WORLD'S TALLEST
FLOWERING TREES**
DR. JEN SANGER AND STEVE PEARCE, THE TREE PROJECTS

Photo: Steven Pearce



LIVE ANATOMICAL BODY PAINTING

Photo: Crow's Nest Media



EVENT MCS:
SCIENCE JOURNALIST MARK HORSTMAN, FORMERLY OF
ABC'S CATALYST PROGRAM. MELANIE TAIT, ABC RADIO.

Details correct at time of printing but are subject to change. For up-to-date information please visit scienceweek.net.au/events or download the mobile app on the Apple App or Google Play Stores.

NATIONAL SCIENCE WEEK 2017 | [BEAKERSTREET@TMAG](https://twitter.com/BEAKERSTREET@TMAG)



**SCIENCE PHOTOGRAPHY
COMPETITION/EXHIBITION**
WITH MATTHEW NEWTON



**COSTA GEORGIADIS, HOST OF ABC'S
GARDENING AUSTRALIA**
PRESENTING ON TWO NIGHTS!



**ONLY 5% OF AN EJACULATE IS SPERM.
WHAT'S THE OTHER 95% FOR?**
DR. ANGELA CREAN, L'ORÉAL-UNESCO
FOR WOMEN IN SCIENCE FELLOW



**THE MICROBIOLOGY BEHIND
BEER BREWING WORKSHOP**
DR. ANDREW GREENHILL (FEDERATION
UNIVERSITY AUSTRALIA) AND DR. ANDREW
BISSETT (MICROBIOLOGIST AND HOME BREWER)



**BEHIND THE SHOT: WHAT'S REALLY
INVOLVED IN FILMING AN ATTENBOROUGH
NATURE DOCUMENTARY?**
FRASER JOHNSTON AND ANDY TERHELL, CROW'S NEST MEDIA



LABORASTORY'S TASMANIAN DEBUT
HOSTED BY STORYTELLER JACKIE KERIN

EVENT HIGHLIGHTS

THE 360° CINEMA DOME

Presented by PushStart VR and Crow's Nest Media

WOMEN OF SCIENCE: STORIES OF EXPERIMENTATION, FRUSTRATION, AND CREATION

Presented by Science in the Pub

BEER BREWING Q&A

With the team at Hobart Brewing Co.

AFTER-DARK MUSEUMHACK-STYLE TOURS

Led By TMAG Curators

GUIDED VIRTUAL REALITY HEADSET TOURS

With PushStart VR

SEX AND SENSUALITY IN THE GARDEN THE BIRDS & THE BEES, THE FLOWERS AND THE TREES

Costa Georgiadis, host of ABC's Gardening Australia

DID YOU CHOOSE THAT, OR DID A MACHINE CHOOSE IT FOR YOU? THE GROWING INFLUENCE OF ALGORITHMS IN DAILY LIFE

Dr. Daniel Angus, University of Queensland

WORKSHOP: TURN YOUR SMARTPHONE INTO A MICROSCOPE

Hobart Hackerspace

**ENJOY A DELICIOUS SELECTION OF LOCAL LIBATIONS,
A STUNNING LINE-UP OF LIVE MUSIC, AND HAVE A CHAT
TO ONE (OR MANY) OF OUR FRIENDLY ROVING SCIENTISTS!**

FOR PROGRAM DETAILS AND BOOKING INFORMATION, VISIT WWW.BEAKERSTREET.COM.AU

PLUS MORE TALKS AND WORKSHOPS WITH:

Dr. Lisa-ann Gershwin, author of *Jellyfish: A Natural History and Stung!*

UNSW Scientia Professor Rob Brooks, author of *Sex, Genes and Rock Roll*

Dr. Catherine Byrne, TMAG's senior curator of zoology

Dr. Simon Grove, TMAG's senior curator of invertebrate zoology

Dr. Jacqueline Halpin, Institute for Marine and Antarctic Studies

Distinguished Professor Jamie Kirkpatrick, University of Tasmania

Dr. Sally Bryant, Tasmanian Land Conservancy

Dr. Anu Verma, Senior science teacher at the Fahan School

Christopher Leon, producer and composer

John Kean, producer, curator, writer

Kara Spence, Nature. Be in it.

Madeline Green, Institute for Marine and Antarctic Studies

Tasmania Parks and Wildlife Service

And more!



**A pop-up science bar
Tasmanian Museum
and Art Gallery
18-20 August 2017**

Event Partners



This project received grant funding from the Australian Government



FESTIVAL OF BRIGHT IDEAS

12 AUGUST 2017 9AM - 4PM

PRINCES WHARF NO.1
FESTIVALOFBRIGHTIDEAS.COM.AU
#FOBITAS17



SCIENCE COMES ALIVE AT THE FESTIVAL OF BRIGHT IDEAS 2017. EXPLORE, CREATE, EXPERIMENT AND BE AMAZED BY THE WONDERS OF SCIENCE PRESENTED BY TASMANIA'S DYNAMIC SCIENCE COMMUNITY. PACKED WITH HANDS-ON ACTIVITIES, WORKSHOPS, PERFORMANCES AND TOURS THIS IS A SCIENCE SPECTACULAR NOT TO BE MISSED!

A FREE EVENT FOR THE WHOLE FAMILY.

WELCOME MESSAGE FROM THE LORD MAYOR OF HOBART, ALDERMAN SUE HICKEY

The City of Hobart is proud to be supporting the Festival of Bright Ideas 2017. This year's festival is bursting with exciting science activities presented by the dynamic Tasmanian science community. You'll make discoveries about the research and technology happening in our State - from the science behind wise wood heater use, to how water is used to create power, and how art and science are pushing creative and scientific boundaries. There will be robots, touch tanks, electronics, virtual reality, the fascinating biodiversity of the Southern Ocean, and much, much more.

I am delighted to welcome all those contributing to this unique Tasmanian event including activity providers, presenters and volunteers who are passionate about sharing their science with our community.

Spend an hour or spend the day at the Festival of Bright Ideas 2017, but be assured you'll go home wanting to know more about the amazing science that surrounds us and keen to play a part in the science of our future.



FESTIVAL HIGHLIGHTS

THE WORLD IS BETTER THAN YOU THINK FUTURE CRUNCH

Incredible things are happening on our planet. Diseases are being eradicated, war is decreasing, millions are being lifted out of poverty and billions are gaining access to the greatest information resource humanity has ever known.

But we're not hearing a lot about it.

At Future Crunch, we believe that science and technology are bringing about a world that is more peaceful, transparent and abundant. We use our diverse knowledge to provide unexpected perspectives on what the future looks like to foster intelligent, optimistic thinking about the future, and to empower people to contribute to it.



DR GRAHAM'S BLOW-UP SCIENCE DR GRAHAM WALKER

Can you really launch marshmallows out of a vacuum cleaner, make rockets from common household items, or launch soft toys using liquid nitrogen? Prepare yourself for some seriously mind-bending science, as Dr Graham explodes his way through the chemistry and physics of things that go bubble, boom, bang and occasionally catch on fire.

Dr Graham Walker is the Director of science communication consultancy Science ShowOffs (scienceshowoffs.net) and also works at the ANU National Centre for the Public Awareness of Science. Since 2001, Graham has taken science to over a million people in Australia and around the world using exciting live science shows, TV, hands-on activities, and workshops. Graham strongly believes science and its communication can change people's lives for the better.



EVENTS ON THE LIGHTWAVE STAGE

9.20am	10am	11am	12pm	1pm	2pm	3pm
Jeremy Just - The Science of the Invisible	Dr Graham Walker's Blow Up Science	Future Crunch - The World Is Better Than You Think	Lish Fejer - The Science (And Silliness) of Piracy	Five Fantastic Females and Their Science Success Stories	Matthew Evans - Nutrient Dense Food	Jeremy Just - The Science of the Invisible



THE SCIENCE OF THE INVISIBLE

JEREMY JUST

Where is air? Everywhere! We're surrounded by air for most of our lives, but how do we understand so much about what we can't usually see? Discover some amazing facts about air and pressure with some explosions, danger,* and liquid nitrogen thrown in for good measure!

Jeremy is a Hobart based science communicator who enjoys nothing more than entertaining people with science. Currently right in the middle of a chemistry PhD, Jeremy still finds time for science outreach and engagement all over Tasmania. He is a mentor for the Young Tassie Scientists program, and has performed exciting science shows for schools and communities across Australia.

**No presenters or audience members will be harmed during the show!*



FIVE FANTASTIC FEMALES AND THEIR SCIENCE SUCCESS STORIES

What is it like to be a woman in science? Do female scientists experience gender bias? If so, what does it look like and what keeps female scientists motivated? At this special Science in the Pub-hosted FoBi event, we interview five female scientists who have taken very different paths, encountered sometimes-surprising obstacles, and ended up in diverse and fascinating careers. Each scientist will speak briefly about her research, and will then be interviewed about her challenge and, passions, and any tips she can provide to other current or aspiring female scientists. Join us for a fun and inspiring journey through the world of five women of science.



Photo: Alan Benson

NUTRIENT DENSE FOOD MATTHEW EVANS

Do you like offal? What about broccoli? Why do some people love the food that others hate? Join ethical farmer Matthew Evans as he talks about how flavour is a key indicator of nutrient density, and how agricultural practices can enhance the nutritional value of our food and make it taste better too!

Matthew lives and works on Fat Pig Farm in Tasmania's peaceful and picturesque Huon Valley, where the namesake pigs free-range on pasture, heritage apples ripen on ancient trees, where he has a small market garden and tries to entice milk from a recalcitrant, dairy cow. Matthew is the author of eleven books on food, including the authoritative Real Food Companion and makes regular appearances on television including as presenter of popular SBS series the Gourmet Farmer.

THE SCIENCE (AND SILLINESS) OF PIRACY PIRATECHNIQUES 101 WITH LISH FEJE (AKA PIRATE CAPTAIN SCUNGE-BUCKET)

Learn how to be a pirate scientifically using the very latest pirate-patented iPatch technology. Identify why pirates are better than parrots, how to use your brain to find treasure, walk the plank without falling in the drink, OH&S and take home your very own Pirate Ship!

Lish Fejer is a science communicator and broadcaster. She spent many years with Questacon in Canberra presenting and developing science shows. She's worked with the Edinburgh International Science Festival climbing up a giant nose, co-presented Carbon Cops on ABC TV, runs a green DIY website 'Green It Yourself' and currently works for ABC radio.

**Pirate Captain Scunge-Bucket may go back on this promise.*



SCIENCE EXPERIENCES

TASMANIA'S BEST SCIENCE ORGANISATIONS COME TOGETHER WITH OVER 45 SCIENCE EXPERIENCES INCLUDING:

'REGENERATION GENERATION: WE ARE THE FUTURE BUILDERS'

MONA 24 CARROT GARDENS

Join us as we meld science and art in an interactive performance space. Share stories and ideas on how we can all work together to make a bright future. We are the future builders!



THE ANAEMIC SOUTHERN OCEAN

ANTARCTIC CLIMATE AND ECOSYSTEMS CRC

Microorganisms need iron – but where does it come from? And how much is there? Come hunt for iron in our laboratory!



BEES, IMMERSIVE SYSTEMS, OCEANOGRAPHY AND AUSTRALIA'S NATIONAL FISH COLLECTION

CSIRO

Come and fit a microsensor to a honey bee, try virtual and augmented reality systems, see oceanographic equipment and what it reveals about our oceans, and check out some weird and wonderful specimens from Australia's national fish collection.



HOW WELL DO YOU KNOW YOUR BRAIN?

WICKING DEMENTIA RESEARCH AND EDUCATION CENTRE, UNIVERSITY OF TASMANIA

Come to the giant brain! Chat to a brain expert, look at brains through a microscope, or (for grownups) help us research dementia knowledge.

WHAT ABOUT THE MUSEUM OF TOMORROW?

TMAG

Museums collect for the future but can't collect everything. What should TMAG be collecting today for advancing the science of tomorrow?



COMMUNICATING WITH LIGHT AND SATELLITES

RADIO AND ELECTRONICS ASSOCIATION OF TASMANIA

Discover how you can communicate using light and see how simple it can be to communicate with satellites.

FUTURE OF WATER

TASWATER

Test your taste buds with our water samples. How sensitive are you to Geosmin and Methylisoborneol (MIB) in the water?

DIGITAL SANDPIT

SCHOOL OF LAND AND FOOD, UNIVERSITY OF TASMANIA

Our digital sandpit projects land and water onto actual sand, letting you explore landscape change with the scoop of your hand!

KRILL, WHALES AND ICEBREAKER TALES

AUSTRALIAN ANTARCTIC DIVISION

See live krill, learn about their importance, and discover more about equipment used for Antarctic research.



Photo: Steven Pearce



BIOSYNTHETIC SYSTEMS: ENGINEERED AND ARTIFICIAL LIFE

TASMANIAN COLLEGE OF THE ARTS AND CREATIVE EXCHANGE INSTITUTE

An art-science exhibition exploring the creative potentials and ethical implications of engineered life.

HOBART'S BUSHLAND ANIMALS

CITY OF HOBART

Join the City of Hobart Bush Adventures program to discover the animals, both large and microscopic, that live in Hobart's bushland.

UTAS GAMES LOUNGE

SCHOOL OF ENGINEERING AND ICT, UNIVERSITY OF TASMANIA

An interactive play space where you can come and play games made in Tasmania!

FOR MORE FANTASTIC SCIENCE EXPERIENCES VISIT FESTIVALOFBRIGHTIDEAS.COM.AU

WORKSHOPS

VIRTUAL WORLDS ON TOUR

PUSHSTART VR

Explore the realm of Virtual Reality and take a tour to places you've never been before.

Times: 9.30am, 10.30am, 11.30am, 12.30pm, 1.30pm, 2.30pm, 3.15pm

Duration: 30 mins



Photo: Pushstart VR

AWESOME LEGO® BUILDING WITH BRICKS 4 KIDZ®

Calling all LEGO® Master Builders! Come and be creative in our mountains of free play LEGO® or build one of our unique Bricks 4 Kidz® models!

Times: All day



Photo: Shasta Henry

BYO BUG - INSECT PINNING WORKSHOP

SHASTA HENRY

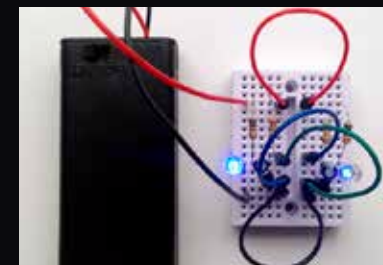
Do you have a wasp on a windowsill or a beetle in a box? Bring it to FoBI and transform it into a museum quality specimen. Equipment supplied (and limited bugs). Take home: one self-prepared bug in a display box.

Numbers limited in each session.

Times: 9.30am, 11am, 12.30pm, 2pm

Duration: 1 hour.

**Not ideal for small children, adult supervision essential to under 12. Involves sharps (pins) and chemicals (ethanol and naphthalene) under controlled conditions.*



ELECTRONICS PROTOTYPING WORKSHOP

THE SCHOOL AMATEUR RADIO CLUB NETWORK

Use electronic components to assemble a working circuit. No soldering required. Return the kit for free or take home your creation for \$5.

Times: All day

TOURS

HISTORY AND GEOLOGY OF SALAMANCA WALKING TOUR

Take a memorable tour through time discovering the fascinating history behind the convicts, early pioneers, bricks, stones, rocks and landscapes of Salamanca.

Tour departs 12.30pm outside Salamanca Arts Centre and returns at 2.00pm.

SCIENCE MYSTERY TOURS

Curious about the science lurking around Hobart's waterfront? Then join one of the Royal Australian Chemical Institute's science mystery tours and discover more about everyday science within walking distance of the docks - several mystery venues to explore!

Register your interest to participate via the tours page on festival website.

Tours depart 11am, 12.30pm and 1.30pm from Princes Wharf No.1

EXHIBITION

DECONSTRUCTED: THE SCIENCE AND TECHNOLOGY BEHIND CONTEMPORARY ART AND DESIGN

Deconstructed reveals some of the science and technology employed in the development of creative art and design works at the Tasmanian College of the Arts. The exhibition includes examples of work from six practitioners working across art-science, data visualisation and engineering.



FESTIVALOFBRIGHTIDEAS.COM.AU

VR NATURE EXPLORER

TASMANIAN LAND CONSERVANCY

The Tasmanian Land Conservancy invites you to step onto their private reserves and explore nature from every angle.

Times: 10am, 11am, 12pm, 1pm, 2pm, 3pm

Duration: 30 mins

HANDS-ON SCIENCE AND ENGINEERING FUN

UNIVERSITY OF TASMANIA

Discover the science of renewable energy, take part in a Civil Engineering building challenge and experiment Electronic Toy Bricks (ETBs).

Times: All day

FROM LITTLE THINGS BIG THINGS GROW: THE SOUTHERN OCEAN FOOD WEB

AUSTRALIAN ANTARCTIC DIVISION

Come and test your knowledge of some of the smallest and the largest creatures on the planet during an activity packed exploration of the Southern Ocean food web.

Times: 10.30am, 12pm, 1.30pm and 3pm.

Duration: Approx 40 mins.

SCIENCE OPEN SEASON

THE QUEEN VICTORIA MUSEUM AND ART GALLERY

QVMAG IS HOSTING THE BIG DAY OF SCIENCE, SCIENCE SUNDAY, TWO NIGHTS AT THE MUSEUM AND AN EXTENSIVE SCHOOLS PROGRAM. NEARLY EVERYTHING IS FREE, SO DON'T MISS OUT. BOOK EARLY AND JOIN US FOR AN AWESOME EXPERIENCE!

Visit qvmag.tas.gov.au for the full QVMAG National Science Week program, as well as session times and costs. There are too many events in our schedule to list here, make sure you visit the website!

Saturday 12 to Friday 18 August, 10am - 9pm

Queen Victoria Museum, 2 Invermay Road, Inveresk

RSVP essential for some events: bookings@qvmag.tas.gov.au
03 6323 3798

BIG DAY OF SCIENCE



The Big Day of Science is an expo that highlights the science that takes place in the Museum, the City of Launceston, and partner organisations. Check out Future Launceston, the Crazy Scientist and the Steminists - three very different science-based experiences.

Saturday 12 August, 10am - 4pm

Crazy Scientist \$2pp, RSVP essential

SUNDAY SCIENCE



Sunday Science is a perfect way for the family to spend Sunday. Find out about Future Launceston, a glimpse of how the city and region will look in the coming decades. Use the Wishing Tree to tell the City of Launceston your vision for the future. Find out how archaeology will change, and what future animals might look like. Plus, check out the AMAZING insects and spiders that are on display just for Sunday Science.

Sunday 13 August, 10am - 4pm

Crazy Scientist \$2pp, RSVP essential

NIGHT AT THE MUSEUM



Join us as we turn the lights down and open the doors. Wander the darkened galleries and check out the dinosaurs and animal displays, and the wreck of the Sydney Cove. Sit in on a live hook up to the International Space Station. Check out the night sky through the Museums telescopes. The Night at the Museum is a great evening out for the whole family.

Wednesday 16 August, 6 - 9pm

NATIVE: AN EVENING OF TASMANIAN FOOD, RESPONSIBILITY AND SCIENCE



Enjoy a progressive menu featuring Tasmanian produce often overlooked in conventional cooking. Hear why we need to remember and utilise what is around us, from the perspectives of a chef, a nutritionist and a scientist. Guests welcome to explore QVMAG following the event!

Wednesday 16 August, 6:15 - 8:30pm

Blue Cafe Bar

\$55pp, bar open for refreshments

Bookings essential, tickets only available at the Blue Cafe Bar:
03 6334 3133

SPEAKER PROFILE

DR STEPHANIE DOWNES

Dr Downes is a Physical Oceanographer at the Antarctic Climate & Ecosystems Cooperative Research Centre in Hobart. She researches topics such as hydrothermal plumes and climate projections of ocean currents and greenhouse gases. Stephanie thoroughly enjoys engaging with schools and the public on any climate science topic. She currently chairs the national Australian Meteorological and Oceanographic Society (AMOS) Education and Outreach Committee, and was a recipient of the acclaimed Australian Institute of Policy and Science Tall Poppy Award for excellence in scientific research and communication. To hear from Dr Downes and the expert AMOS Big Changes in Big Places panel in Hobart, see p8, or Launceston, see below.



PAST, PRESENT AND FUTURE - BIG CHANGES IN BIG PLACES



AUSTRALIAN METEOROLOGICAL AND OCEANOGRAPHIC SOCIETY, TASMANIA

Hear from our expert panel from the Institute for Marine and Antarctic Studies, CSIRO and Antarctic Climate Ecosystems Cooperative Research Centre (ACE CRC): Dr Felicity Graham, ice sheet modeller; Dr Mathieu Mongin, Biogeochemical Modeller; and Dr Stephanie Downes, physical oceanographer. They will discuss largescale changes to the Earth's ice sheets and oceans, and the relevance of these changes to Australia. Followed by Q&A session hosted by MC, Dr Tas van Ommen, glaciologist at the Australian Antarctic Division and ACE CRC.

Wednesday 16 August, 6 - 7:30pm

Sir Raymond Ferrall Centre
University of Tasmania
Newnham Drive, Newnham
amos.org.au

GEORGE TOWN BIGGER SCIENCE EXPO



PETER UNDERWOOD CENTRE, BELL BAY ALUMINIUM AND GEORGE TOWN COUNCIL

A jam-packed expo with lots to do, see and learn - what scientists really do, insects as food with Bugirl, Tasmania's hydro and solar renewable energies, simulated sailing, and the Tamar River's marine and environment life! With plenty more. Suitable for all ages, free family event.

Wednesday 16 August, 11:30am - 3:30pm

Graham Fairless Centre
George Town Memorial Hall
Macquarie Street, George Town
03 6324 3743

ROBOCUP JUNIOR - TASMANIAN FINALS



ROBOTICS TASMANIA

School students across Tasmania have designed, built and programmed robots to compete against each other at soccer, dance performances and rescue scenarios. Come see some great robots in action!

Saturday 19 August, 10am - 4pm

Sir Raymond Ferrall Centre
University of Tasmania
Newnham Drive, Newnham
robocupjunior.org.au/tas

SOUTHERN SKIES AT ROSEVALE TASMANIA



ASTRONOMICAL SOCIETY OF TASMANIA

Come and enjoy an evening under the stars. See the hidden and not so hidden gems of the night sky and view the different designs of telescopes used for observing and imaging the night sky.

Saturday 19 August, 7 - 11pm

Rosevale Community Hall
Bridgenorth Road, Rosevale

\$10 per Adult, maximum \$20 Family

RSVP essential: bit.ly/AstroRosevale2017

NATIVE PLANT PROPAGATION WORKSHOP



NATURAL RESOURCE MANAGEMENT NORTH

Learn more about native plants and how to grow them from seeds and cuttings at this free hands-on workshop. Includes method, timing and care for different native species, and how they can be used to create shelter and habitat at your place, and enjoy a walk through the Windsor Community Precinct's native garden. BYO notebook, secateurs, old seedling punnets and/or ice cream containers (if you have them). Lunch provided.

Saturday 26 August, 10am - 1pm

The Stables,
Windsor Community Precinct
1 Windsor Drive, Riverside

RSVP essential: 6333 7777

SUSTAINABLE HOUSING IN COLD NO TEMPERATE CLIMATES



THE ROYAL SOCIETY OF TASMANIA

Dr Mark Dewsbury will discuss the specific requirements of building cold-weather sustainable housing. Tasmanian student Zac Corbett will share a short talk on his time at the London International Youth Science Forum.

Sunday 27 August, 1.15 - 3.30pm

Queen Victoria Museum and Art Gallery
2 Invermay Road, Invermay

\$6 Public, \$4 QVMAG Friends, LHS members and bona fide students.

Members of the Royal Society of Tasmania free

RSVP essential:
bookings@qvmag.tas.gov.au
03 6323 3798

TASTROFEST



JOIN US IN ULVERSTONE FOR OUR FESTIVAL OF SPACE LECTURES, SCIENCE EXHIBITIONS, LIVE SCIENCE SHOWS AND WORKSHOPS. COME ALONG AND SEE YOUR FAVOURITE CHARACTERS FROM STAR WARS AND DRESS UP AS YOUR FAVOURITE SCI FI COSPLAY. YOU WILL FIND FREE MOVIES AND MOVIE MEMORABILIA AS WELL AS MEET STORMTROOPERS FOR PHOTO OPPORTUNITIES!

Workshops include beginners and advanced astrophotography, learning to use telescopes and kid's rocketry. Learn the basics or get stuck into the advanced theory with talks covering night sky viewings or how you can get involved with the study of super massive black holes.

There will also be planetarium sessions, NASA displays and a Virtual Reality experience.

Our famous Astrophotography and Aurora Gallery will be open to the public from 1 - 26 August at the Ulverstone Civic Centre. Join us for night sky viewings or bring along a blanket for our indoor movie sessions. We have something for everyone! Make sure you visit our website for the full schedule of events!

Friday 4 August, 6 - 9pm

Saturday 5 August, 9am - 9pm

\$10 Adults, \$5 Children under 12/ Concession

\$20 Family (2 Adults and 4 Children) Tickets purchased on the Friday night are also valid for entry on Saturday.

Planetarium, Virtual Reality and Kids Rocketry are additional costs at \$4pp and must be booked online.

RSVP recommended: tickets available at the Ulverstone Visitor Information Centre or online at: bit.ly/2tjP7wd

Ulverstone Schweppes Arena
Flora Street, West Ulverstone
tastrofest.com

DREAM BIG EXHIBITION



UNIVERSITY OF TASMANIA

Exhibition of winners and runners-up from the north-west Regional Primary Schools 'Dream Big' Project. Come and see what happens when art meets aspiration as students set to work and illustrate their dream careers!

Thursday 6 July - Monday 21 August,
9am - 5pm

Makers' Space Gallery

Makers' Workshop

2-4 Bass Highway, Burnie

Sponsored by Children's University - Tasmania

CIRCULAR HEAD SCIENCE TRAIL



CIRCULAR HEAD COUNCIL AND CIRCULAR HEAD EDUCATION AND TRAINING CONSULTATIVE COMMITTEE

The Science Trail is a competition open to all children. Follow a trail around Smithton with your class or family to find answers to clues displayed in store windows. Winners are announced at the Circular Head Future Earth Science Gig!

Tuesday 1 - Friday 11 August, 9am - 5pm

Smithton High School
Circular Head Trade Training Centre
Mill Road, Smithton

DR GRAHAM'S LIVE FAMILY SCIENCE SHOW



TASMANIAN NATIONAL SCIENCE WEEK COORDINATING COMMITTEE AND CENTRAL COAST COUNCIL

Prepare yourself for some seriously mind-bending science, as Dr Graham explodes his way through the chemistry and physics of things that go bubble, boom, bang and occasionally catch on fire! Expect loads of audience involvement, laughs, exciting experiments and more!

Saturday 12 August, 6 - 7:30pm

Leven Theatre, Civic Centre
Patrick Street, Ulverstone

Free tickets online:
trybooking.com/QQEI

CIRCULAR HEAD FUTURE EARTH SCIENCE GIG



CIRCULAR HEAD COUNCIL AND CIRCULAR HEAD EDUCATION AND TRAINING CONSULTATIVE COMMITTEE

A long-running annual community event promoting science and technology in a fun, interactive manner to children and families. Activities, competitions and interactive displays promote the Future Earth organisation's 2025 vision. The Gig includes the hotly contested MacGyver Challenge where teams of three (junior, senior and family) compete to solve a problem using the basic materials supplied in a short timeframe. Winners of school-based competitions, the MacGyver Challenge and the Circular Head Science Trail will be announced on the night!

Monday 14 August, 5.30 - 8pm

Circular Head Community
and Recreation Centre
Grant Street, Smithton

Sharalyn.walters@education.tas.gov.au

RIDGELY BRAIN BREAK AND FUTURE EARTH EXPO



RIDGLEY PRIMARY SCHOOL

Classes will provide a scrumptious afternoon tea that reflects their learning about Future Earth, sustainability, recycling, and the environment. We will research how our food impacts on the environment. There will also be an expo with student-led activities, posters, guest speakers, interactive displays and experiments. We invite parents and the community to attend and engage with students and presenters.

Thursday 17 August, 1 - 3pm

Ridgley Primary School Gymnasium
904 Ridgley Highway, Ridgley
scienceweek.net.au

POP-UP KIDS DIG!



UNIVERSITY OF TASMANIA

Dive into the science of archaeology as we provide a simulated, indoor, archaeological 'dig' to investigate the ways which archaeologists locate, interpret and classify the artefacts they find. Explore north-west Tasmanian Aboriginal and colonial artefacts and compare the environmental impact of these two distinct archaeologies. Can trash be treasure? It sometimes is to an archaeologist! Consider what future archaeologists might discover about us through the things our society leaves and how 3D printing may influence this.

Saturday 19th August
10.30am - 12pm, and 1 - 2.30pm

Makers' Space Gallery Makers' Workshop
2-4 Bass Highway, Burnie

RSVP recommended:
Joanna.Gair@utas.edu.au

Sponsored by the Advocate Newspaper

THE CLIMATE EXPERIMENTUM SHOW



CLIMATE ACTION NORTH WEST

Five experiments that will shock and amaze, as the presenter, Anton Kole, weaves an amazing story of how greenhouse gases and our climate are interconnected into a futuristic tapestry of change. If you have ever wondered how greenhouse gases change our climate, then this is a show not to be missed!

Saturday 19 August, 2 - 3pm

Saturday 26 August, 2 - 3pm

Hellyer College
41-43 Mooreville Road, Burnie

RSVP recommended:
can.west.tasmania@gmail.com

BRIGHT IDEAS QUEENSTOWN



Queenstown's second Amazing Race for National Science Week. Travel the main streets of Queenstown, follow the clues and interesting facts displayed in local shop windows. Test your knowledge of local history, as well as the science of our local businesses, nature and industry - learn about Queenstown and win great prizes! Join us for the Amazing Orienteering Race on Sunday afternoon if you are feeling clever, or simply competitive!

Saturday 12 - Sunday 20 August,
8am - 4pm

Orr Street, Queenstown

RSVP: neil.walker@education.tas.gov.au

SEXY SCIENCE - IS OUR WHISKY (AND BEER) ALL IT'S CRACKED UP TO BE?



TASMANIAN WHISKY ACADEMY

Join distiller from Sullivans Cove, Heather, and Anne, Director of The Tasmanian Whisky Academy, and explore what makes our beer and whisky so awesome. They will explore the hype and the reality of brewing and distilling - how is it made, why has it made such a splash nationally and internationally, and what does this mean for Tasmania?! Strahan Village View 42 Restaurant will also be offering a special themed dinner!

Friday 18 August, 6.30 - 7.30pm
(9.30pm if dining)

View 42 Restaurant, Strahan Village

Dinner RSVP recommended:
reservations@strahanvillage.com.au
03 6471 4200

STATEWIDE EVENTS

UNIVERSITY OF TASMANIA OPEN DAY



Find out what University life is like and where a degree can take you at this year's Open Day.

Open Day is your chance to visit the University of Tasmania campuses and explore the world-class facilities and services available to you. Come along and meet our academics, current students, graduates and course advisors and find out about our courses, career options and student life. We'll have tours, presentations, entertainment, activities and hands on workshops, so whatever you're interested in you'll find something exciting at Open Day!

SANDY BAY CAMPUS
Sunday 30 July, 10am - 3pm
Churchill Ave, Sandy Bay

CRADLE COAST CAMPUS
Sunday 6 August, 10am - 3pm
16-20 Mooreville Rd, Burnie and West Park, 2 Bass Hwy, Burnie

NEWNHAM CAMPUS
Saturday 12 August, 10am - 3pm
Newnham Drive, Newnham

INVERESK CAMPUS
Saturday 12 August
Inveresk Railyards,
4 Invermay Rd, Launceston
utas.edu.au/open-day

TASMANIAN SCIENCE TALENT SEARCH



Join us for the display and judging of the Technology and Engineering Challenge entries for both Technology and Engineering.

The Technology Challenge - Mono and multi-winged gliders made from simple materials by students from prep to year 8 will be taking off from an official launch pad to celebrate National Science Week!

The Engineering Challenge - Students from Year 5 - 12 will design, create and test a working invention producing a physical device which either solves a problem in an engineering context or provides an innovative approach to an old problem. Winners of the Engineering category who meet the national standard will be invited to enter in the national BHP Billiton Science and Engineering Awards.

Sunday 13 August, 10.30am - 12.30pm

East Launceston Primary School
18 Mary St, East Launceston

Sunday 20 August, 10.30am - 12.30pm

Sustainability Learning Centre
50 Olinda Grove, Mount Nelson

SUSTAINABLE AGRICULTURE FOR THE FUTURE - WEBINARS

Join scientists from the Tasmanian Institute of Agriculture for two lunchtime webinars and QandA about the future of agriculture. As agricultural production intensifies around the world, sustainable agricultural and water management will become even more vital for the future of our planet.

Tuesday 15 August, 12 - 1pm
Thursday 17 August, 12 - 1pm

Each webinar will be streamed live:
livestream.com/UniversityofTasmania
and on the Tasmanian Institute of Agriculture's Facebook page:
facebook.com/TasInAg
utas.edu.au/tia

SPEAKER PROFILE

DR GRAHAM WALKER

Dr Walker is a popular speaker with audiences worldwide, and has a PhD in science communication from the Australian National University - you could say he is an expert in making learning fun! For show times in Ulverstone, see p20, and in Hobart, see p15.



EVENT GUIDE

SOUTHERN TASMANIA EVENTS

Date	Event		Page
Wed 2 Aug	The Future of the World's Oceans - The Royal Society of Tasmania Winter Series 2017	🗨️	6
Thurs 3 Aug	Mining in Tasmania - Dinosaur or Deliverer?	🗨️	6
Sun 6 and Sun 27	Litter Bugs	🗑️ 👨👩👦👧 🎓	6
Tues 8 Aug	The Future of the World's Oceans - The Royal Society of Tasmania Winter Series 2017	🗨️	6
Tues 8 Aug	A Tour of the Universe (and Selected Cosmic Mysteries) With Dr Katie Mack - AIP Women in Physics Lecture	🗨️	6
Tues 8 Aug	Science Symposium - Stem Gives the Earth a Future.	🗨️	6
Thurs 10 Aug	Dogs and the Environment	🗨️	6
Fri 11 - Sun 27 Aug	Backscatter - The Voyage of the Investigator	🖼️	7
Fri 11 and Sat 12	Festival of Bright Ideas	💡 🗑️ 🗨️ 👨👩👦👧 🖼️ 🎓	14-17
Sat 12 Aug	What is the Job of a Marine Scientist? Writing Competition and Film Screenings	🏆 👨👩👦👧	7
Sun 13 Aug	Inala Jurassic Garden and Nature Museum	☀️	7
Sun 13 Aug	Dr Karl's Great Moments in Science	🗨️	7
Mon 14 Aug	Science and Whales	🗨️	7
Mon 14 Aug	3D Printing – the Future of Bodies and Beyond	🗨️	7
Tues 15 Aug	Past, Present and Future - Big Changes in Big Places	🗨️	8
Tues 15 Aug	Our Waste, Our World, Our Future	🗨️	8
Tues 15 Aug	Into the Vaults - An Evening At the State's Zoology Collection	🎓	8
Wed 16 Aug	Derwent Valley Science Expo	👨👩👦👧	8
Wed 16 Aug	Krill Connections - Why is Hobart the Krill Capital of the World?	🗨️	8
Wed 16 Aug	Science in Court - How Scientific Evidence Can Change the Outcome of a Case	🗨️	8
Wed 16 Aug	Keeping the Water Clean: Seaweed Solutions to Wastewater Treatment	🗨️	9
Wed 16 Aug	Into the Vaults - An Evening at the Tasmanian Herbarium	🎓	8
Wed 16 Aug	Science Week Quiz Night	🏆 👨👩👦👧	8
Wed 16 Aug	Science Fair!	👨👩👦👧	9
Thurs 17 Aug	Huon Valley Science Expo	👨👩👦👧	9
Thurs 17 Aug	Connecting Internet of Things to Wireless Networks	🗨️ ☀️	9
Thurs 17 Aug	Seeing the invisible with Dr Elizabeth New, Raci Youth Lecturer	🗨️	9
Thurs 17 Aug	Leadership for Women in STEM: Lessons from Antarctica	🗨️	9
Fri 18 - Sun 20	Beakerstreet@TMA6	💡 🔍 🖼️ 🗨️ 🎓	12-13
Fri 18 Aug	Zoology After Dark	👨👩👦👧 🎓	9
Sat 19 Aug	Mt Pleasant Observatory and Grote Reber Museum Open Day	🎓 👨👩👦👧	10
Sat 19 Aug	Public Solar Viewing Day	👨👩👦👧	10
Sat 19 Aug	Seashell Science	🗑️ 👨👩👦👧 🎓	10
Sat 19 Aug	Marine Biologists	👨👩👦👧 🎓	10
Sat 19 Aug	Rescue to Release Workshop	🗑️	10
Sun 20 Aug	Emerging Entomologists	🗑️ 👨👩👦👧 🎓	10
Sun 20 Aug	Tasmanian Bushfoods - Growing and Harvesting Respectfully	🗑️	10
Wed 23 Aug	Tasmanian Climate Change Stories Forum	🗨️	10
Thurs 24 Aug	Unlocking the Myth of the Scientist – How We View Science and Why It Matters	🗨️	11
Sat 26 Aug	Practical Home Energy Assessment	🗑️	11
Sat 26 Aug	A Wondrous World – Botanical Art Workshop	🗑️	11
Sat 26 Aug	Building a PET Bottle Greenhouse	🗑️	11

Key to Events:



Exhibition



Competition



Festival



Talk



Children's University



Dinner/Food



Performance



Tour



Community Expo



Family



Outdoor



Workshop

Details correct at time of printing but are subject to change. For up-to-date information please visit scienceweek.net.au/events or download the mobile app on the Apple App or Google Play Stores.

NORTHERN TASMANIA EVENTS

Date	Event		Page
Sat 12 - Fri 18 Aug	Science Open Season	💡	18
Sat 12 Aug	Big Day of Science	👨👩👦👧 🔍	18
Sun 13 Aug	Sunday Science	👨👩👦👧 🔍 👨👩👦👧	18
Wed 16 Aug	Night at the Museum	👨👩👦👧 ☀️	18
Wed 16 Aug	Native: An Evening of Tasmanian Food, Responsibility and Science	🍴 🗨️	18
Wed 16 Aug	Past, Present and Future - Big Changes in Big Places	🗨️	19
Wed 16 Aug	George Town Bigger Science Expo	👨👩👦👧 👨👩👦👧	19
Sat 19 Aug	Robocup Junior - Tasmanian Finals	👨👩👦👧	19
Sat 19 Aug	Southern Skies at Rosevale Tasmania	👨👩👦👧 ☀️	19
Sat 26 Aug	Native Plant Propagation Workshop	🗑️ 👨👩👦👧 ☀️	19
Sun 27 Aug	Sustainable Housing in Cold and Temperate Climates	🗨️	19

NORTH-WESTERN AND WESTERN TASMANIA EVENTS

Date	Event		Page
Fri 4 - Sat 5 Aug	Tastrofest	💡 ☀️ 🖼️ 🎓	20
Thurs 6 July - Mon 21 Aug	Dream Big Exhibition	👨👩👦👧 🎓	20
Tues 1 - Fri 11 Aug	Circular Head Science Trail	👨👩👦👧	20
Sat 12 Aug	Dr Graham's Live Family Science Show	🔍 👨👩👦👧	20
Sat 12 - Sun 20 Aug	Bright Ideas Queenstown	🏆 ☀️	21
Mon 14 Aug	Circular Head Future Earth Science Gig	👨👩👦👧 👨👩👦👧 🏆	20
Thurs 17 Aug	Ridgely Brain Break and Future Earth Expo	👨👩👦👧 👨👩👦👧	20
Fri 18 Aug	Sexy Science - Is Our Whisky (and Beer) All It's Cracked Up to Be?	🗨️ 🍴 👨👩👦👧	21
Sat 19 Aug	Pop-Up Kids Dig!	🗑️ 👨👩👦👧 🎓	20
Sat 19 Aug and Sat 26 Aug	The Climate Experimentum Show	🔍 👨👩👦👧 🎓	20

STATEWIDE EVENTS

Date	Event		Page
Sun 30 July, Sun 6 Aug and Sun 12 Aug	University of Tasmania Open Day	🎓 ☀️ 👨👩👦👧	21
Tues 15 and Thurs 17 Aug	Sustainable Agriculture for the Future – Webinars	🗨️	21
Sun 13 and Sun 20 Aug	Tasmanian Science Talent Search	👨👩👦👧	21

A BIG THANK YOU TO THE 100+ AMAZING ORGANISATIONS, BUSINESSES AND INDIVIDUALS WHO HAVE CREATED SPECTACULAR, DIVERSE AND INCREDIBLY INSPIRING NATIONAL SCIENCE WEEK EVENTS THIS YEAR!

JOIN US IN 2018!

THE TASMANIAN NATIONAL SCIENCE WEEK COORDINATING COMMITTEE INVITES TASMANIAN BUSINESSES, COMMUNITY GROUPS, SCIENTISTS AND MEMBERS OF THE PUBLIC TO CREATE EVENTS FOR THE 2018 PROGRAM.

Funding of up to \$25 000 is available through the national grant round, which opens again in October and is a wonderful opportunity to bring larger projects to life.

Seed funding is available each year, supporting community and school events throughout Tasmania.

Queries to: tasmania@scienceweek.net.au



WITH THANKS TO THE TASMANIAN NATIONAL SCIENCE WEEK COORDINATING COMMITTEE:

Dr Adele Wilson, University of Tasmania
Andy Baird, Tasmanian Museum & Art Gallery
Belinda Browning, CSIRO
Dr Ben Arthur, CSIRO
Brittany Trubody, Central Coast Council
David Maynard, Queen Victoria Museum and Art Gallery
Dr Denise Devitt, Science Teachers Association of Tasmania
Dr Deborah Beswick, Elizabeth College
Jenni Klaus, University of Tasmania
Jenny Dudgeon, Sustainability Learning Centre
Dr Lisa Cawthen, City of Hobart
Dr Margo Adler, Beaker Street
Peter Wright, Department of Education
Sarah Bayne, Inspiring Australia
Shae Huddleston, University of Tasmania
Susie Haley, University of Tasmania
Trish Hodge, mina-nina
Dr Vicki Gardiner, Engineers Australia
Wayne Goninon, University of Tasmania
Zoe Kean, University of Tasmania

AND AFTER SCIENCE WEEK...

FIND OUT WHAT'S HAPPENING IN SCIENCE AROUND TASMANIA AT WHYSCI.ORG.AU

WhySci helps you to be more informed about and involved in Tasmania's vibrant community of scientists, science enthusiasts, innovators and problem solvers.

Never miss a science event again! Find us on Facebook at facebook.com/whyscitas

WhySci is a free community resource - let us know if we can help you advertise your science-related event.

TASMANIAN STEM EXCELLENCE AWARDS 2017

APPLICATIONS ARE NOW OPEN 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 Teacher of the Year Awards 2016 for Primary and Secondary Teachers (\$5 000)
The Tasmanian STEM Communicator of the Year Award (\$5,000)
The Tasmanian STEM Young Researcher of the Year Award (\$5,000)

APPLICATIONS CLOSE FRIDAY 29 SEPTEMBER 2017 | APPLICATION FORM AND GUIDELINES: STATEGROWTH.TAS.GOV.AU
CONTACT: SARAH.BAYNE@UTAS.EDU.AU