

Lightwave stage timetable

Green Wristband 9–11.30am

9–9.35am
Future Energy
Dr Graham Walker

9.40–10.15am
PIRATECHNIQUES 101
Lish Fejer

10.20–10.55am
Jurassic Poop!
Professor Flint

11–11.30am
From Little Things
Big Things Explode

Purple Wristband 11.30am–2pm

11.30am–12.05pm
Future Energy
Dr Graham Walker

12.10–12.45pm
PIRATECHNIQUES 101
Lish Fejer

12.50–1.25pm
Jurassic Poop!
Professor Flint

1.30–2.00pm
From Little Things
Big Things Explode

Yellow Wristband 2–4.30pm

2–2.35pm
Future Energy
Dr Graham Walker

2.40–3.15pm
PIRATECHNIQUES 101
Lish Fejer

3.20–3.55pm
Jurassic Poop!
Professor Flint

4–4.30pm
From Little Things
Big Things Explode

FOBI guidelines



15-minute warning bell will sound before the end of each session, and then another at the end of the session.



Leave promptly at the end of your 2.5 hour session to allow for the next session to start on time.



We encourage all guests to wear a face mask.



Make use of provided hand sanitiser.



Please do not attend if you are experiencing:

- Fever
- Chills/night sweats
- Runny nose
- Cough
- Sore/itchy throat
- Shortness of breath
- Loss of taste/smell.

Special thanks to our festival sponsors

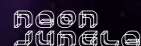
Major partner



Presented by



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FESTIVAL OF BRIGHT IDEAS

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Festival highlights



Jurassic Poop
Professor Flint

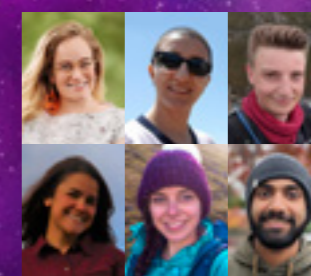
Join the world's most famous pooheontologist on a hilarious, seriously stinky and highly informative adventure of discovery into the origin of faeces. Along the way, he'll ask how we know about poops from the past, and ponder such important questions as: If dinosaurs pooped, does this mean they farted, too?



PIRATECHNIQUES 101
(The Science of Piracy)
Lish Fejer
(Pirate Captain ScungeBucket)

Learn how to be a pirate scientifically using the very latest pirate-patented iPatch and bluetooth technology. Keen audience members will go away with an understanding of what's orange and sounds like a parrot, why pirates never learn the alphabet, ship safety updates, why pirates wear patches and all take home their very own Pirate Ship*.

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



From Little Things
Big Things Explode

A super special science show produced in Tasmania just for FOBI!

Directed by:
Maeve Mhairi MacGregor

Staring:
Ash Russell
Dipon Sarkar
Simin Salarpour
Olly Dove
Hannah Moore

Supported by:
 Hydro Tasmania



Future Energy
Dr Graham Walker

Through exciting, interactive and EXPLOSIVE experiments, you'll learn where most of our energy comes from now, and why we need to change. We start with fossil fuels – coal and gas – which are the world's main source of energy right now, then look to emerging technologies like carbon capture and storage, biofuels, renewable energy and fuel cells – all brought to life through amazing demonstrations.

Session times

Green Wristband
9–11.30am

Purple Wristband
11.30am–2pm

Yellow Wristband
2–4.30pm

Science activities

- 1 **Devil Robotics**
Interact with autonomous and remote-controlled robots.
- 2 **Science Communication Initiative (SCI)**
Test your bug knowledge against the experts! What bug is that and where do they live?
- 3 **School of Geography, Planning and Spatial Sciences, University of Tasmania**
Find out how geographers and spatial scientists tackle environmental challenges. Check out the augmented reality sandpit and fly mini-drones over the Little Penguin colony in Sandy Bay.
- 4 **Hobart College**
Build your own circuit and explore the wonderful world of glass with the Hobart College STEAM students.
- 5 **Forest Education Foundation & Forest Practices Authority**
Investigate what makes a forest special - from the plants and animals that call it home, to the soil found beneath the forest floor.
- 6 **Hobart Hackerspace**
Hobart Hackerspace is pleased to present a collection of technology based activities to see, do and experience - something for all ages.
- 7 **Biological Sciences, University of Tasmania**
Who, when, where? Three techniques for catching and studying animals.
- 8 **Centre of Excellence for Plant Success, University of Tasmania**
Discover what's actually going on inside leaves and how water moves around plants.
- 9 **Tiny Science Lab**
Real chemistry experiments with the amazing Tiny Science Lab.
- 10 **Science Teachers Association of Tasmania (STAT)**
Super simple experiments that science teachers love!
- 11 **Royal Australian Chemical Institute and Chemistry, University of Tasmania**
Different chemicals will give unique fingerprints when shining infrared light onto them. Which white powders will match which common drug?
- 12 **Earth Sciences, University of Tasmania**
Learn about different lava viscosities and their hazards and take a walk with a life-size dinosaur!
- 13 **Hydro Tasmania**
Immerse yourself in the advanced technology we use to generate electricity and protect our aquatic environments.
- 14 **Australian Antarctic Division**
Learn about krill from world experts - why are these tiny creatures such a huge deal in the Southern Ocean?
- 15 **Tasmanian Museum and Art Gallery**
Join TMAG staff for a look at glass in nature and explore how people have utilised the special properties of glass across millennia.
- 16 **Tasmanian Institute of Agriculture**
Explore the colourful, wild and wacky world of insects, what they do in nature, and how they help feed us!
- 17 **Dominic College**
Follow the adventures of Alice as she steps from the real world into the virtual world of optics.
- 18 **Dominic College**
Use physics to create the perfect paper plane.

- 19 **Dominic College - Animal husbandry**
Meet the animals and find out from the students how they care for them.
- 20 **Resource Work Cooperative**
Explore the recovery, reuse and recycling of precious materials and goods from waste before they end up in landfill forever.
- 21 **TasWater**
Microscopes, the glass windows into the otherwise unseen. In our labs beakers, bottles and burettes made of glass, help us keep you safe!
- 22 **Young Tassie Scientists**
Meet local researchers and test out our hands-on activities for all ages.
- 23 **Mathematics, University of Tasmania**
Come and puzzle over some mathematically inspired games with our lovely Maths and Physics PhD students.
- 24 **Physics, University of Tasmania**
Check out the special equipment that splits sunlight!
- 25 **Physics, University of Tasmania**
A hands-on introduction to General Relativity and the concept of gravity.
- 26 **Physics, University of Tasmania**
Use physics to solve a transportation dilemma during a zombie apocalypse.
- 27 **ABC Radio**
- 28 **UTAS Motorsport Team**
Meet the Motorsports Team that built an electric race car and try out a race car simulator.
- 29 **Tasmanian Model Solar Challenge**
Come and learn about the School Solar Car Challenge and discover the STEM behind these mini solar powered vehicles.

Workshops

- W1 **Science Toys**
Meet Peter Manchester and his wonderful scientific toys.
- W2 **TasNetworks**
Design your very own transmission tower out of spaghetti and marshmallow and put it to the test!
- W3 **Coder College**
Learn how to take control of a robot to draw your own design and write your own name.
- W4 **Natural Resources and Environment Tasmania, Sustainability Learning Centre and AAEA**
Inquire, observe, analyse and problem solve! Shining a light on micro/macro plastics and their impacts.
- W5 **nita Education**
Learn how we make tools from natural materials to assist hunting and preparing of foods and fibres.
- W6 **The Science of Circus**
Watch Adie and Sonia demonstrate the amazing science involved in a stunning circus performance.
- W7 **Engineering, University of Tasmania**
Balance competing demands to produce a final solution in this engineering design challenge!

Food and Drink

- F1 Davey Street Garage
- F2 Chan Bao
- F3 OMG Decadent Donuts
- F4 Bean to Brew
- F5 Taco Taco

First Aid

ProMed
First aid support provided by ProMed.

Site Map

