

FESTIVAL OF BRIGHT IDEAS

PROUDLY SUPPORTED BY UNIVERSITY OF TASMANIA 

Science for the curious and creative

Activities

1. Hydro Tasmania

Build and test a working turbine using recycled materials to discover how moving water generates energy.

2. TasNetworks

Use handcranks to light up an interactive map of Tasmania and discover how electricity powers our state.

3. Deadly Science

Explore traditional fish traps, investigate water flow and discover First Nations engineering in action.

4. City of Hobart

Explore local bushlands through nature-inspired activities and learn how to care for the environment.

5. City of Hobart

Discover how drones help local government through mapping, photography, video and other technologies.

6. Tasmania Engagement, University of Tasmania

Investigate freshwater shrimp and other arthropods through microscopes and hands-on activities.

7. Geography, Planning and Spatial Sciences, University of Tasmania

See mini-drones in action and explore an augmented reality sandbox while discovering how mapping helps us understand our world.

8. Chemistry, University of Tasmania

Build molecular structures and discover how scientists identify and measure substances.

9. Mathematics, University of Tasmania

Explore games and challenges that reveal patterns, logic and numbers hidden in everyday life.

10. Earth Sciences, University of Tasmania

Step into the role of a geologist and explore Tasmania's rocks, minerals and landscapes.

11. Biological Sciences, University of Tasmania

Discover how plants and animals adapt to changing environments through hands-on investigations.

12. Bytewise – a Questacon exhibition

Dive into hands-on maths and coding challenges. Crack codes, test logic and explore how computers think through interactive puzzles.

13. Curious Climate Schools

Take on hands-on challenges and discover simple ways to make sustainable choices and take climate action.

14. Understorey Network Inc

Explore seeds, soil and ecosystems and discover how environments recover and thrive.

15. Nipaluna Nursery

Take action for biodiversity - compost your fears, make a seed bomb and grow native plants.

16. Bob Brown Foundation

Explore Tasmania's forests, wildlife and marine environments and learn how to help protect them.

17. Tasmanian Museum and Art Gallery

Travel back in time through fossils and uncover stories of ancient life in Lutruwita/Tasmania.

18. Big Fish Card Game, University of Tasmania

Explore marine science and sustainable recreational fishing through a strategic card game.

19. Institute for Marine and Antarctic Studies, University of Tasmania

Dive into marine ecology and Southern Ocean research with scientists and discover the ocean's role in our climate.

20. Fisheries Tasmania, Natural Resources and Environment

Race as kelp or urchin through the Great Southern Reef and discover why healthy underwater ecosystems matter.

21. Devil Robotics

Take control of robots and discover how coding, design and engineering work together.

22. Tas Recycle (Recycle Rewards)

Test your recycling skills and discover how small actions can help keep Tasmania clean.

23. Science Teachers Association of Tasmania

See how young scientists turn curiosity into innovation through interactive demonstrations.

24. Healthy Shack Tech

Discover how advanced scanning technology transforms real spaces into immersive 3D environments.

25. Future You

See how cooking, playing and building connect to STEM and add your ideas to a shared wall.

26. Sustainability, University of Tasmania

Meet the worms turning food scraps into compost. Learn the basics of worm farming and explore practical ways to take climate action at home.

27. Natural Resources and Environment Tasmania, ReThink Waste and Resource Tip Shop

Reimagine your wardrobe and discover practical ways to repair, restyle and reuse clothing.

28. Tasmanian Institute of Agriculture, University of Tasmania

Discover the hidden heroes that support farms, the environment and our food supply.

29. Hobart Hackerspace

Explore 3D printing, robots, optical illusions and interactive technology challenges.

30. Engineers Australia Tasmania and Engineering, University of Tasmania

Get hands-on with engineering activities exploring design, building and problem-solving.

31. Tasmanian Student Science Communicators Network

Explore oceans and waterways through hands-on activities and discover ways to protect marine environments.

32. Architecture and Design, University of Tasmania and Forest Education Foundation

Build giant free-form structures using specially designed timber pieces and experiment with shapes and connections through hands-on play.

33. nita Education

Examine seeds, plants and stories while discovering the science behind Palawa knowledge of Traditional bush foods.

34. Invasive Species Council

Become an eco-detective and investigate how invasive species affect Tasmania's ecosystems and wildlife.

35. ProMED

Try hands-on first aid activities and discover what to do in an emergency.

Roving Encounters

Keep an eye (and ear) out for Conspiracy of One, a roving science musician sharing songs, stories and surprising science moments.

Chill Out Space

Need a breather? The Chill Out Space is a calm, lower-sensory place where you can take a break and regroup during the festival. Located behind the Hydro activity.

First Aid

First aid support, proudly provided by ProMED, is available at the far end of the venue.

Food and Drink

Van Demons Café