

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.

Session times

Green Wristband
9–11.30am

Purple Wristband
11.30am–2pm

Yellow Wristband
2–4.30pm

festivalofbrightideas.com.au #FOBI

Free WiFi password: lightwave

FESTIVAL OF BRIGHT IDEAS

PROUDLY SUPPORTED BY UNIVERSITY OF TASMANIA

Science for the curious and creative

Special thanks to our festival sponsors

Presented by



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Activities

Architecture and Design, University of Tasmania

Step into the world of digitally assisted fabrication. Experience design and assembly of unique structures using prefabricated timber components, assisted by augmented reality.

Australian Science Innovations

Can you navigate the world when everything is upside down? Try the Upside-Down Goggle Challenge! Also, find out about science extension programs.

Big Fish Game

Who can be the most successful fisher? Balance catching fish with managing the local fish population and it might be you.

Bob Brown Foundation

Interpret audio recordings of masked owls in the native forest in Takayna/Tarkine. Draw native bird species, make a forest flag, or write a postcard to show your support for endangered species.

Centre of Excellence for Plant Success and Biological Sciences, University of Tasmania

Solve the puzzle of how some plants are adapting to climate change and investigate plant and animal tissue close-up with innovative 'Foldscope' paper microscopes!

City of Hobart

Have you considered what you can do with drones? Find out how the City of Hobart uses drones for mapping, thermal imaging, LIDAR, and livestreaming of events.

Devil Robotics

Interact with robots, including remote-controlled FIRST Tech Challenge robots and LEGO SPIKE Prime robots.

Earth Sciences, University of Tasmania

Immerse yourself in the world of Tasmanian rocks and minerals. Explore the structure of the Earth, geological time scale, and critical minerals and mining.

Engineering, University of Tasmania

Put your design skills to the test with our hands-on engineering design challenges. Learn about the role engineers play in society and in developing new technologies.

Engineers Australia

Find out first-hand what skills engineers use to solve problems by immersing yourself in a range of kits and board games.

Fisheries Tasmania

Science and innovation can create a better fishing future. Find out what is changing with warming waters, and how we attract fish, decide on the rules, and handle fish for their best chance of survival.

Geography and Spatial Sciences, University of Tasmania

See mini drones in action and delve into virtual reality to see how information about our environment can help us tackle complex challenges in a sustainable way.

Hobart Hackerspace

Connect with makers and tinkerers and discover a range of electronic and technology-based projects for all ages.

Hydro Tasmania

Discover what it's like to be a power station operator at 'Water to Wire'. You can maintain the station, distribute energy, generate power, and keep energy supply and demand balanced.

Inspiring Australia

Tasmania is a special place with wondrous animals and plants that live nowhere else in the world. Explore the art exhibition and join in by drawing or writing about your favourite Tasmanian species.

Institute for Marine and Antarctic Studies, University of Tasmania

Delve into marine science! Explore what's going on in the ocean, how we map marine spatial data using an interactive mapping tool, and the biodiversity of birds.

Marine Discovery Centre

Dive into the world of marine science and discover how humans impact marine environments. Touch live marine animals and learn how to identify marine pest species.

Nature Tracker

Become a Nature Tracker! Learn about Tasmanian threatened species and discover how observational surveys and acoustic monitoring are used.

nita Education

For more than 50,000 years, the palawa/Tasmanian Aboriginal people managed and cared for our unique island. Connect with our rich culture, heritage, knowledge and traditions.

Physics and Maths, University of Tasmania

Find out how astronomers decode the secrets of the cosmos. Delve into the realm of electromagnetism and create your own light. Unravel the power of statistics in understanding the world around us.

Robot Man

Calling all future coders! Have a blast programming Sphero indi, the cool little cars that react to colours, to navigate through exciting challenges.

Royal Australian Chemical Institute and Chemistry, University of Tasmania

Investigate what is the matter. Use chemical fingerprinting through infrared light to find out which white powders match which common drug.

Royal Hobart Hospital Research Foundation

Discover your genetic traits through a fun game of bingo. Get your questions about genetics and biology answered and learn about the importance of genetics in health.

Sustainability Learning Centre

Did you know that EVERYTHING is interconnected? Explore the elaborate web of interconnections between species, the impact of human activities, and how to have a positive impact.

Tasmanian Institute of Agriculture

Learn how different types of pasture can improve the health of livestock and reduce livestock methane emissions. Make your own 'grass head' from compostable materials.

Tasmanian Invertebrate Fossils

Immerse yourself in the world of Tasmanian fossils. Try your hand at removing fossils from rock, and use microscopes and guides to observe and identify fossils.

Tasmanian Model Solar Challenge

Discover the science behind mini solar-powered cars and boats, and find out how you can get involved in the School Solar Car and Boat Challenge.

Tasmanian Museum and Art Gallery

Explore the impacts of climate change on sea life. Get up close to plant and animal specimens, and see amazing video of marine life.

TasNetworks

At 'Watts on Wheels', pedal the specially designed bike to discover how renewable energy can power communities and contribute to Tasmania's energy landscape.

Ten Lives Cat Shelter

How can we reduce the impact of cats on the environment? Help find solutions to the problem of stray and feral cats in our bush.

Young Tassie Scientists, University of Tasmania

Meet the Young Tassie Scientists, an all-star cast of university scientists! Be inspired by their passion for science as you question and explore the world around you.

Food and Drink

Van Demons Coffee

Donut 7

Rotary Club of Sandy Bay

First Aid



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