

STREET SCIENCE!

■ 9.00am – 4.00pm

■ Gladstone Entertainment Convention Centre

Bird Building

presented by Gladstone Regional Art Gallery & Museum (GRAGM)

Learn about birds in the Gladstone region, create nests out of recycled materials and design your own bird collage. Activities are inspired by GRAGM's exhibitions which focus on the region's migratory shorebirds and their endangered habitats.

Creative Technology & Digital Inventions

presented by BOP Industries

From holograms to 3D printing pens, augmented reality and more; the BOP Industries Digital Inventions activation will see you getting hands-on with a range of creative digital inventions.

Innovative Drone Use

presented by Shell's QGC business

Discover how remotely piloted small-scale aircraft systems (RPAS), sometimes called drones, are being used to help shape the world's energy future. Get up-close to a replica RPAS and learn how this technology is making the industry safer and more environmentally friendly.

Liquid into Gas

presented by Shell's QGC business

Want to know how natural gas is turned into liquefied gas? Come and see the model of our liquefied natural gas plant and find out how the gas is cooled to -161 degrees Celsius shrinking it to 1/600th of its original size and put on special ships for transporting around the world.

Meet the Pollutants

presented by Healthy Land and Water

Touch, hear and see how water moves through our urban environments and out into our oceans. What things does water pick up along its journey from the mountains to the sea? How do our urban environments, and its concrete surfaces, help carry nasty pollutants that end up in our oceans? By replicating natural systems, how can we help to stop this pollution from getting there in the first place?

Our Microscopic World

presented by Boyne Island Environmental Education Centre

Participants will have the opportunity to get up close and personal with plankton, mini-beasts, water bugs, mould and micro-plastics using a variety of scientific tools.

Spiders

presented by Queensland Museum

Immerse yourself in the eight-legged world of spiders and other arachnids. Overcome fear with fascination as Queensland Museum experts introduce you to these fascinating animals.

STEM Innovation

presented by CQUniversity

Discover the innovation of STEM with iPads that have virtual and augmented reality activities, the MiRo robot, spherominis and ozbots.

Ancient Queensland

presented by Queensland Museum

100 million years ago, much of Queensland was covered by a vast inland sea, the home of marine animals such as plesiosaurs, ichthyosaurs, fish and squid. The fossils of these are now frequently found throughout the state. Come and see fossil bones of fish and learn how our Queensland Museum scientists study their small remains.

Stomp Rockets

presented by Future Makers

Stomp your way through the universe in this design challenge! Using recycled everyday materials, engineer and launch a rocket that can travel through the solar system. Will your team's rocket make it into deep space?

The Snail Whisperer

presented by Queensland Museum

Join Snail Whisperer Dr John Stanisc and discover the world of snails with local and international specimens on display including terraria of live local land snails.

When is an Archaeologist not an Archaeologist?

presented by Flying Scientists

Meet Flying Scientist Dr Michelle Langley, an archaeologist researching prehistoric technologies and human cognitive evolution, and Young Science Ambassador Dr Kaylene Butler, a palaeontologist studying Australia's extinct fanged kangaroo. Discover the difference between an archaeologist and a palaeontologist while interacting with 3D models of ancient fossil skulls, Stone Age tool replicas and games.

Be a Marine Warrior

presented by Gidarjil Development Corporation

Help fight the fight against the impact of pollutants against our sea wildlife with a range of activities.

Bringing Science to Life

presented by Street Science

Catch Science Steve and his crew throughout the day in a 360 degree exploration of seriously fun science topics. From chemistry chaos to DIY science, fire and ice to forces and flight, these short sharp shows will both entertain and excite, with education from all angles.

(10.30am, 11.30am, 12.30pm, 1.30pm, 3.30pm)

What's in Our Air?

presented by Gladstone Community Air Quality Group

Discover the vast range of factors that can affect the air around us from bushfires and car emissions to the microscopic organisms which can be found in our homes and backyards.

The Future of Health

presented by QIMR Berghofer Medical Research Institute

Visit QIMR Berghofer's interactive display and learn about microscopy, cell biology as well as how to protect ourselves from UV radiation and the risk of melanoma.

SCIENCE IN THE LIBRARY

■ 10.00am – 2.00pm

■ Gladstone City Library

Gladstone and the Mangroves

Our mangroves are the lungs of the Great Barrier Reef, teeming with wildlife and acting as a cool filtration system. Come and learn about our wonderful neighbour.

Ozobot Death Star challenge

Travel through space whilst helping R2D2 (a.k.a. Ozobot) deliver plans to the rebel alliance while avoiding the empire. Solve the coding puzzle.

Catapult Creation Station

Create ancient weaponry through a combination of physics, design and engineering. Launch grapes through the power of rubber bands!

AR Anatomy

Explore the human body through augmented reality. What do we look like inside?

STEM Storytime session

(11.00 – 11.30am only)

Explore stories with a scientific bent. Songs, books and laughter for children aged between 4 and 8 years old.