



Street Science!

Presented by Queensland Museum and BHP Billiton

WILDLIFE EXPLORATION

Presented by Lone Pine Koala Sanctuary

Welcome to our "wildlife exploration" station!

Let's investigate bio facts using magnifying glasses.

What animal does it belong to?

What's its purpose?

See your heat signature in real time, with our heat-sensing device. Just like the koala detection research using heat-sensing technology by Dr Grant Hamilton.

SOILS: NOW AND FOR THE FUTURE!

Presented by Soil Science Australia

Join us to discover what makes soil such a wonderful and important resource for all life on earth.

Plant your own seedling, make it rain on bare earth and get creative with coloured muds! Investigate the chemical, physical and biological processes within our soils and why plants love some soils but not others.

INVENTIONS, INQUIRY AND LIFE ON EARTH

Presented by The Royal Society of Queensland

Ask our Scientist a question about scientific inquiry and the world we live in.

Take part in our interactive demonstrations of great inventions and an explanation of their scientific principles.

Review our scientific papers, information and copies of "Proceedings" published since 1884.

UNCOVERING THE SECRETS IN CROCODILE DNA

Presented by Department of Environment and Science

Be a Wildlife Officer for the day!

Did you know a crocodile's DNA can tell us about its history?

Step inside to see how we conduct scientific work with DNA from wild crocodiles.

CREATE, EXPERIENCE AND LEARN WITH QUT

Presented by QUT

Discover how creativity and science build a better world.

Come in and see how QUT works with science to design real world solutions to global problems. Learn how the science and technology of tomorrow are helping us create change today.

BRINGING SCIENCE AND MYSTERY FROM A WONDERFUL ISLAND

Presented by National Museum of Natural Science Taiwan

Explore Taiwan through VR.

Decorate your own paper hand fan.

Create your own kaleidoscope combining mirrors.

Make a Rocket Car using Newtonian Mechanics principle.

Get creative with origami.

STRATEGIC PARTNERS



ACADEMIC PARTNERS



STREET SCIENCE! PARTNER



EXPERIENCE SCIENCE WITH UQ

Presented by The University of Queensland

Take part in hands-on activities and discover the science behind our everyday existence.

Unlock the secret ingredients in everyday household items, rediscover Australia's extinct megafauna using augmented reality, learn about the protection of our coral reefs and see if you can trick your brain.

BUILD YOUR TOMORROW, TODAY!

Presented by Young Engineers Brisbane

Join us to learn Science, Technology, Engineering and Maths concepts through LEGO™ models.

MOUNTAINS, MANGROVES AND MORETON BAY

Presented by Healthy Land and Water

Through hands-on activities and interactive displays, discover the importance of protecting the environment and how you can make a difference for future generations.

Find out how taking action upstream in the mountains and catchments has an effect on ecosystems downstream.

DUCKIETOWN

Presented by Micromelon Robotics and Robotics Playground

Micromelon Robotics and Robotics Playground have built their own DuckieTown where you learn to code and see how your code affects the town directly.

DuckieTown features robots driving around roads, passing landmarks and avoiding ducks scattered all around the town.

INCREDIBLE INVENTIONS

Presented by Street Science

You are invited to discover some of history's coolest chemists, best biologists, and fantastic physicists, and their greatest world altering discoveries in the 'The World's Best Innovators and Inventors' space.

Come on a mind-blowing journey with the team from Street Science!

NINE NEWS QUEENSLAND'S MINI NEWS DESK

Presented by Channel 9

Want to experience the life of a Nine News presenter?

We'll grab a seat behind the Nine News Queensland's Mini news desk, and have a go reading your news story from a real auto cue and camera.

REEF BUILDERS

Presented by Great Barrier Reef Foundation and Department of Environment and Science

The Great Barrier Reef is home to an incredible array of species including 600 corals, 1600 fish, 3000 molluscs, six of the world's seven marine turtles, and so many more.

See the people, projects and animals building up our amazing Great Barrier Reef and discover what YOU can do to become a 'Reef builder'.

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SCIENCE ON THE GO!

Presented by Griffith University

Augment your reality, pilot a simulator, ogle jellyfish and engineer the perfect car race!

Marvel at the levitating superconductor, shoot smoke and sound and hold a milky bubble in your hand!

Science on the GO! will bring dynamic, engaging and interactive science experiences exploring a range of concepts in chemistry and physics to Street Science!

CITIZEN SCIENCE – EVERYDAY PEOPLE, POWERING SCIENCE

Presented by Australian Citizen Science Association - Queensland Chapter and the Department of Environment and Science

Learn how to become a citizen scientist, and what citizen science can do for you.

Discover microscopic treasures in beach sand.

Walk a nature puzzle trail through South Bank.

See a live butterfly display.

Learn how to identify native birds.

THE FUTURE OF HEALTH

Presented by QIMR Berghofer Medical Research Institute

Learn about microscopy and cell biology by getting hands on with microscopes.

Make a bracelet with UV beads that detect ultraviolet light so you know when sunscreen is needed.

Have some fun with our life-size scientist photo booth and craft activities for young scientists.

Chat with our researchers about our latest medical discoveries.

HOW TO TELL THE WEATHER IN THE ICE AGE

Presented by ARC Centre of Excellence for Australian Biodiversity and Heritage (CABAH)

Become a geologist for the day and learn how to tell the weather in the Ice Age.

The CABAH display will transport participants back through time with a hands-on coring activity that models deep time history and environmental information about the past.

SCIENCE FICTION... OR FACT?!

Presented by BHP Foundation

Have you ever wondered how 'real' science fiction is?

Join us and discover just how much 'fiction' has become 'fact' thanks to the power of invention. Over the years science fiction has predicted everything from radar to the iPad, so imagine what the future holds!

HOW HEALTHY IS YOUR WATERWAY? ASK A WATERBUG!

Presented by Queensland Urban Utilities & SAS Laboratory

Come catch a water bug (aquatic macroinvertebrate)!

Water bugs come in a variety of weird and wonderful shapes, and can tell us how healthy a waterway is.

CREATIVE TECHNOLOGY AND DIGITAL INVENTIONS

Presented by BOP Industries

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

These activities include a range of technologies that are simple and easy to use.

THE SCIENCE OF GROWING YOUR OWN FOOD

Presented by Sow Great

Through hands-on activities come and discover the interplay between soil, plants & water and how it influences yield and crop success in the veggie patch and on our farms.

Know more. Grow more.

COLLABORATING FOR CURES

Presented by Translational Research Institute

Learn about the work being conducted at TRI, our Translating Innovation Programs and research process involving teams of clinicians, researchers and patients working together to solve health challenges faster.

Meet researchers from TRI working in the areas of diabetes and skin cancer.

FUTURE CITY MAKERS

Presented by STEM Punks

In this fun and hands-on STEM workshop you will explore Virtual Reality (VR), Augmented Reality (AR), and 3D Design.

You will learn about future cities, the challenges they will face, and how their design will affect life on earth. Future city makers, let's go!

PAST, PRESENT AND FUTURE - PLAY FOR UNDER 5's

Presented by C&K

Come along to a hands-on adventure, designed by C&K's expert educators, where children and babies can explore the wonder of science and nature.

Tinker and create with loose parts, experiment on light tables, problem solve through designing marble runs and make bananas come to musical life!

These activities are designed specifically for children under five.

RADIATION EXPLORATION

Presented by QARPS

What is radiation? Where does it come from? What is it used for? How can we control it?

Find the answers to these questions and more at Radiation Exploration. We have a whole range of experiments and displays for you to try out and learn about all things radiation.

GEOLOGY OF BRISBANE

Presented by Geological Society of Australia

Ask the experts about the geology of Brisbane.

Hands on displays and rock specimens from the Brisbane area.

JOURNEY INTO THE ATOMIC WORLD

Presented by ANSTO

An opportunity to take an unforgettable journey and explore ANSTO science virtually at the atomic scale.

In this free high-end VR experience, you can take a deep dive into Australia's only nuclear reactor, OPAL.

BLAST OFF TO THE VIRTUAL UNIVERSE!

Presented by ARC Centre of Excellence for Gravitational Wave Discovery (OzGrav)

Take a trip out into the solar system and beyond in a virtual reality headset!

OzGrav's amazing VR system takes six people at once to a virtual universe full of planets, stars, black holes, far reaching galaxies and of course, gravitational waves!

SOLAR AND ASTRONOMICAL TELESCOPE OBSERVING

Presented by Brisbane Astronomical Society

Come and use our solar telescopes to view sunspots and flares on the surface of the Sun.

On Saturday evening we will give you a glimpse of stars and deep-space star clusters.