

QUEENSLAND
MUSEUM
NETWORK

PRESENTS

World
Science
Festival
Brisbane

PROGRAM



OPEN YOUR MIND

22 MARCH - 2 APRIL 2023 WORLDSCIENCEFESTIVAL.COM.AU



ACKNOWLEDGEMENT OF COUNTRY

In keeping with the spirit of reconciliation and on behalf of Queensland Museum Network, we acknowledge the First Peoples—the Traditional Owners of the lands where we live and work.

We recognise their continuing connection to land, water and community. We pay respect to Elders—past and present—and acknowledge the important role Aboriginal Peoples and Torres Strait Islanders continue to play within World Science Festival Brisbane and the Queensland Museum community.

Cover artwork: Created from Georgie Pinn's interactive sculpture *OHCE/ECHO* which featured in Curiosity Brisbane 2022, our cover artwork represents the many elements of World Science Festival Brisbane; the programming, themes, speakers and locations coming together as a dynamic event to challenge thinking and create change.

We hope you see yourself as an important part of our programming, and that you come away from this year's festival with refreshed inspiration and a mind opened to new perspectives.

WORLD SCIENCE FESTIVAL BRISBANE 2023 **PROGRAM**

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Discover the many *Curiosity Brisbane* offerings at the back of this program.
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FEATURING





WORLD SCIENCE FESTIVAL

World Science Festival was founded in New York in 2008 by celebrated physicist and science author Professor Brian Greene and award-winning broadcast journalist Tracy Day. In 2016, Queensland Museum Network established World Science Festival Brisbane (WSFB), the only international extension of the New York event.

World Science Festival Brisbane and Queensland continue the traditions of this internationally renowned festival while curating an innovative program that addresses some of the biggest social, cultural and scientific questions facing Queenslanders today.

In the past seven years, World Science Festival Brisbane has reached more than 1 million people in person and online, contributing an economic benefit of over \$39 million. The festival is a major event in Queensland's tourism calendar, attracting inter- and intra-state visitors, as well as audiences from around the world.

★ SPECIAL OFFERS

25%

EARLY BIRD SPECIAL

The early bird gets the savings! Book your tickets between Wednesday 1 and Sunday 5 February 2023 and save up to 25%.

Visit worldsciencefestival.com.au to find out more.



SAVE WITH TICKET BUNDLES

Share the wonder of science with friends and family, or simply enjoy more science for less with one of our special discounted ticket bundles.

Visit worldsciencefestival.com.au to find out more.

WORLD SCIENCE FESTIVAL BRISBANE 2023

Presented by Queensland Museum Network, World Science Festival Brisbane returns to Brisbane's cultural precinct to ask, and answer, some of the biggest questions facing humankind.

World Science Festival Brisbane 2023 boldly journeys into new frontiers of science, from the evolution of surgery and claims on having the fiercest dinosaur, to discovering new worlds, rewiring the brain and saving the planet.

Once again *Curiosity Brisbane* returns as a key pillar of World Science Festival Brisbane programming. Over 12 science-packed days, visitors can let their imaginations roam free with installations from high-profile artists that celebrate the connections between science, art and technology.

World Science Festival Brisbane offers interactive and informative experiences for inquisitive young minds, family outings and solo explorers, industry professionals, creators and designers, experimenters and the naturally curious.

These pages provide just a glimpse of the scientific discovery available at World Science Festival Brisbane. With hundreds of events on offer across Brisbane and Queensland, you'll need to head to the website to find out where you fit into the festival's world of science, technology and art.

worldsciencefestival.com.au



Dr Jim Thompson PSM



The Honourable Annastacia
Palaszczuk MP



The Honourable Leeanne
Enoch MP



The Honourable Stirling
Hinchliffe MP



Adrian Schrinner
Lord Mayor of Brisbane

Open your mind to the wonder of science as World Science Festival Brisbane returns to the public arena with a dynamic program in 2023.

After scaled back events and cancellations in recent years, Queensland Museum Network is thrilled to host an overflowing schedule of scientific events and activities for all ages.

You'll see festival stalwarts make a welcome return. The Hatchery, a perennial favourite, offers a rare glimpse of loggerhead turtles hatching in incubation chambers at Queensland Museum. *The Night of the Nerds* variety game show also makes a triumphant return after sold out sessions in 2022.

Free and ticketed activities, shows and tours will pop up across South Bank Parklands, Brisbane City and Brisbane's Planetarium. Workshops, conversations and films round out the 2023 program, alongside school and children's programming brimming with opportunities to explore.

Visitors will see *Curiocity Brisbane* artworks dotted throughout the festival hub, around Queensland Museum and South Bank. These installations celebrate the intersection of science, art and technology, and are a highlight of the festival program.

World Science Festival Brisbane kicks off an annual series across our state, with World Science Festival Queensland travelling once again to Chinchilla, Gladstone, Toowoomba, Townsville and Ipswich later this year.

The festival is now part of our identity and has given us a window into many new opportunities and allowed us to work with new partners. It has also allowed us to be part of a bigger science picture and at the same time highlight our amazing scientific credentials. World Science Festival Brisbane would not happen without the continued support of the Queensland Government and our generous partners who share our passion for bringing this important program to life.

During this year's festival, the sharpest scientific minds from Australia and beyond will ask—and answer—the most pressing questions about the universe. This truly unique mix of scientists, scientific communicators, academics, artists, musicians, comedians and more will come together to remind us that science is fun, funny, fascinating and fearless.

On behalf of Queensland Museum Network, I am delighted to invite you to explore the program and find your personal highlights for World Science Festival Brisbane 2023.

Dr Jim Thompson PSM
Chief Executive Officer
Queensland Museum Network



We invite you to open your minds once again to the extraordinary, scientific and innovative possibilities at World Science Festival Brisbane 2023.

World Science Festival Brisbane celebrates ground-breaking discoveries, creative technology and awe-inspiring scientific moments that impact and influence our everyday lives.

This year's festival will investigate cutting edge health developments in fields such as future technology for artificial limbs, advances in medical research as well as new energy technologies.

Festival goers will catch glimpses of the first galaxies, explore quantum theories and technology and unearth our prehistoric past, helping to understand the diverse impacts of climate change, now and for the future of our fragile planet.

Curiosity Brisbane returns as a festival feature with interactive art installations that immerse visitors in the beauty of science.

The Palaszczuk Government is proud to invest in the Queensland Museum Network with a commitment of \$9 million from 2022 until 2024 to present World Science Festival Brisbane and its regional program, World Science Festival Queensland.

The festival supports the Palaszczuk Government's Creative Together 2020–2030 ten-year roadmap and its priorities to activate local places and spaces, drive social change and strengthen communities.

Since 2016, World Science Festival Brisbane has hosted more than 500 events, including world-premiere theatrical performances, science talks, education programs and virtual reality experiences, attracting more than 800,000 visitors despite the impacts of the pandemic.

This signature festival reaffirms Queensland Museum as a key cultural tourism destination on the green and gold runway to the Brisbane 2032 Olympic and Paralympic Games.

Enjoy World Science Festival Brisbane 2023 and open your minds to the creativity and power of science.

The Honourable Annastacia Palaszczuk MP
Premier and Minister for the Olympics

The Honourable Leeanne Enoch MP
Minister for Communities and Housing,
Minister for Digital Economy and Minister for the Arts

The Honourable Stirling Hinchliffe MP
Minister for Tourism, Innovation and Sport and
Minister Assisting the Premier on Olympics
and Paralympics Sport and Engagement

Welcome to Brisbane! As a city, we are proud to host the only international extension of New York's World Science Festival event.

Brisbane's credentials as a science and innovation city truly shine during this significant festival each year. Since 2016, World Science Festival Brisbane has offered an exciting festival program of scientific talks, workshops, shows and events for everyone interested in learning more about the world around them.

Each year this event brings science to our city's most iconic cultural venues.

Visitors and residents can enjoy activities at Queensland Museum and Queensland Performing Arts Centre and stroll through South Bank Parklands and the Cultural Precinct visiting the *Curiosity Brisbane* installations. The festival program then continues through to the city and beyond, with a packed itinerary across 12 inspiring days.

I hope you enjoy the 2023 program and make the most of your time here by exploring the many buzzing dining, retail and lifestyle precincts that Brisbane has to offer.

Adrian Schrinner
Lord Mayor of Brisbane



Can science save our planet? Will we find
'Planet B'? Did our modern surgical practice
originate from the stone age? What does
the future hold for our precious fauna? Did
Australia produce the fiercest dinosaurs?
How well do you really know your brain?

Our conversations program puts you in front
of world experts, as they share the latest
evidence, discoveries, theories and practical
applications facing humankind today.

.....
22-26 March 2023
Playhouse, QPAC
Cremorne Theatre, QPAC
Queensland Museum, South Bank
.....

CONVERSATIONS





The Golden Age of Space Exploration

7.30pm–9pm | Wednesday 22 March | Playhouse, QPAC | Adult \$60, Concession \$55

In the next 10 years, human beings will return to the moon, set foot on Mars for the first time and launch an astonishing array of new research telescopes. Join Brian Greene and Thomas Zurbuchen, the NASA scientist who has been planning these missions, as they discuss what promises to be The Golden Age of Space Exploration.

From Stone Age Surgery to Modern Medicine

6pm–7.30pm | Thursday 23 March | Cremorne Theatre, QPAC | Adult \$35, Concession \$30

Evidence of a successful amputation found in 31,000-year-old skeletal remains has rewritten the medical history books. The extraordinary find in Borneo challenges modern medicine's successful amputation record, which stretches back a mere 100 years. Our expert panel traces the discovery story and shares some of the current advances in medical science that bring new hope and freedom to modern amputees.

Presented with Griffith University

Memory: The Hidden Pathways That Make Us Human

7.30pm–9pm | Thursday 23 March | Playhouse, QPAC | Adult \$35, Concession \$30

Using sophisticated digital technology, neuroscientists are coming closer than ever to revealing some of the brain's most complex and interesting processes including how memories are created, stored, manipulated and retrieved. Brian Greene speaks with leading neuroscientists who are mapping the pathways to our memories, revealing the complex truths surrounding them and their role in shaping identity.

The Future of Conservation: The Complexity of Assisted Species Migration

6pm–7.30pm | Friday 24 March | Cremorne Theatre, QPAC | Adult \$35, Concession \$30

What effect is the climate crisis having on conservation? What needs to be considered when forced to move species to new environments to safeguard their survival? Rhianna Patrick discusses the complexity of conservation and assisted species migration with former Queensland Chief Scientist and respected conservationist Professor Hugh Possingham and special guests.

Net Zero: Investing in the Future

7.30pm–9pm | Friday 24 March | Playhouse, QPAC | Adult \$35, Concession \$30

A decade long climate war and inadequate government action have left a vacuum of opportunities that are being sucked up by an increasing number of business leaders, investors and activists.

Respected ABC journalist Fran Kelly discusses the coalition of science, technology and big investment with Interim Queensland Chief Scientist Bronwyn Harch, climate philanthropist and founder of Wotif.com Graeme Wood, entrepreneur Simon Holmes à Court and Co-CEO of 100% Renewables Barbara Albert.

Small Steps and Giant Leaps: Science to Save the World

11am–12.30pm | Saturday 25 March | Cremorne Theatre, QPAC | Adult \$35, Concession \$30

Join Paul Barclay from ABC RN's Big Ideas in conversation with brilliant scientists using data and virtual reality to save the reef, transform agriculture and improve the air we breathe as they share their amazing research and how it may benefit you and your loved ones in the (very) near future.

Presented with QUT

Clash of the Titans! – A Prehistoric Showdown

2.30pm–3.30pm | Saturday 25 March | Cremorne Theatre, QPAC | Adult \$35, Concession \$30

Get ready for a prehistoric rumble! Ranger Stacey Thomson umpires global heavyweights of palaeontology from either side of the Pacific in an unmissable showdown of titanic proportions.

Argentinian palaeontologist Dr Ignacio Escapa of the Egidio Feruglio Paleontological Museum and Australia's leading palaeontologist and Queensland Museum favourite Dr Scott Hocknull will be out to win the hearts and minds of the audience as they bring their respective fossil records to life.

Queerstories

6pm–7.15pm | Saturday 25 March | Cremorne Theatre, QPAC | Adult \$35, Concession \$30

Vulnerable and fierce, hilarious and heartbreaking, Queerstories makes its World Science Festival Brisbane debut with Maeve Marsden hosting an incredible line-up of LGBTQIA+ scientists and storytellers including award-winning science writer and presenter Bernie Hobbs.

Regenerating Country

10am–11am | Sunday 26 March | Cremorne Theatre, QPAC | Adult \$35, Concession \$30

Join Anthony James, creator and host of *The RegenNarration* podcast, in conversation with Jacob Birch and special guests to discuss the rise of Regenerative Agriculture, First Nations Knowledges, and how caring for Country is providing solutions for a harmonious and sustainable future on earth.

The Unfolding Cosmos: Revelations from the James Webb Space Telescope

11am–12.30pm | Sunday 26 March | Playhouse, QPAC | Adult \$35, Concession \$30

Brian Greene joins NASA's Chief Scientist for James Webb Space Telescope, Nobel Prize laureate John Mather live from New York, for a look at James Webb Space Telescope's most amazing new images and a discussion of the astonishing science it's generating.



The Goldilocks Zone: Hunting Exoplanets

1pm–2.30pm | Sunday 26 March | Cremorne Theatre, QPAC
| Adult \$35, Concession \$30

To support life as we know it, a planet needs to orbit just the right distance from its star, so it is not too hot and not too cold, but just right. It's called the Goldilocks Zone for obvious reasons and Earth fits the bill very nicely indeed. But we are not alone. There are myriad other-worldly exoplanets that lie far beyond our own solar system and fit within the Zone.

A constellation of astrophysicists and a professor of astronomy explore what exoplanets can tell us about our past, our future and even the nature of our own terrestrial home.

Presented with The University of Queensland

Rewriting the Story of Humankind

2.30pm–4pm | Sunday 26 March | Playhouse, QPAC | Adult \$35, Concession \$30

Where did we come from and how did we get here? As the story of our human origins continues to evolve, stunning new discoveries are rewriting that story, expanding our family tree and challenging long-held assumptions.

Professor Lee Berger joins Brian Greene on stage in Brisbane to discuss his revolutionary explorations and major discoveries in the search for human origins.

The Future is Insects

10am–11am | Saturday 25 March | Level 2 Theatre,
Queensland Museum | Adult \$20, Concession \$15

Our hand-picked team of leading insect experts will answer your toughest questions while sharing a nutritious canape of creepy-crawlies.

Rare and Feathered: The Buff-breasted Button-quail and Other Birding Mysteries

1pm–2pm | Saturday 25 March | Level 2 Theatre,
Queensland Museum | Adult \$20, Concession \$15

Back by popular demand, former Queensland Chief Scientist, conservation biologist and passionate bird watcher Professor Hugh Possingham leads a panel of experts to discuss intriguing tales from the bird watching frontline.

In the Shadows of the Dinosaurs: Discovering Ancient Patagonia

10am–11am | Sunday 26 March | Level 2 Theatre,
Queensland Museum | Adult \$20, Concession \$15

Join renowned Argentinian palaeontologist Ignacio Escapa for a journey millions of years in the making. Explore the ancient environment and dinosaurs of Patagonia from a palaeontologist's perspective in this special event based on Queensland Museum's newest blockbuster exhibition.

The Kingdom of Fungi

3.30pm–4.30pm | Sunday 26 March | Level 2 Theatre,
Queensland Museum | Adult \$20, Concession \$15

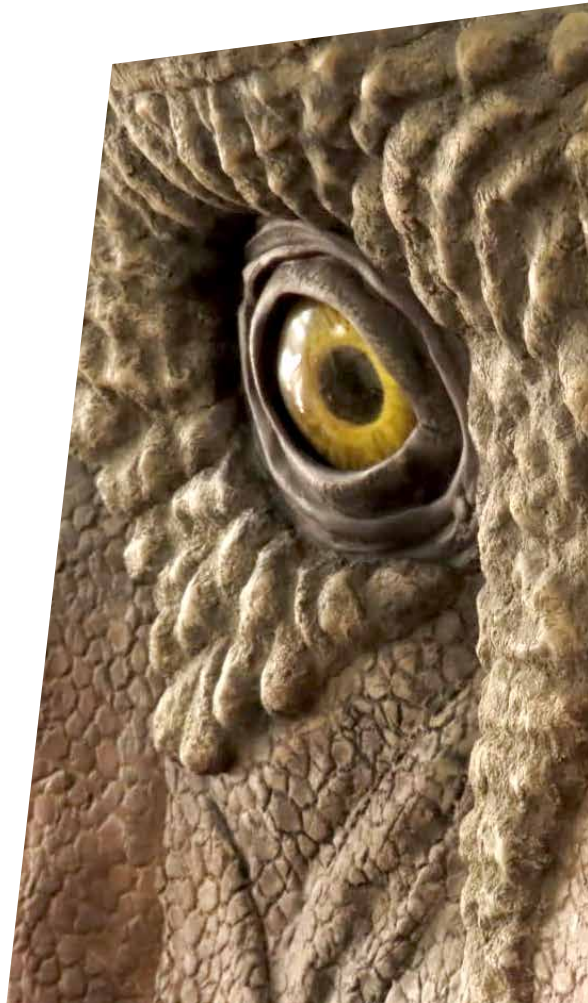
Whether delicious or deadly, all life on earth is dependent on fungi one way or another. Join our expert panel to learn more about the amazing world of fungi and get answers to your most delectable fungi questions!

QM Experts: Collections Up Close

10am–1.30pm | Wednesday 22 – Sunday 26 March | Level 2
Void, Queensland Museum | Free, non-ticketed

Queensland Museum Network is full of fascinating collections and stories that delight, surprise and provoke. Join us as Queensland Museum experts bring out some of their favourite rare and precious specimens and objects from the vault of the Queensland Museum collection.

Drop in and see which expert you can catch across the day!





★ FEATURE

★ Social Science

5.30pm – late | Friday 24 and Saturday 25 March |
Queensland Museum | Adult \$60, Concession \$55,
Weekend pass \$100

World Science Festival Brisbane's newest night-time program is a festival within the festival, transforming Queensland Museum into a hub of live music, shows, comedy and of course, science.

Be part of the discussions exploring the science of sex or what good is the metaverse, head to the QM Theatre and hear from our friends at *The Conversation* and *Cinéma Scientifique*, watch artist Deb Mostert at her sketchy best or try your hand at the ultimate truth and dare with Counterpilot's award-winning TRUTHMACHINE. If you're keen for something even more daring, the divine Christine Johnston will grace your presence as Madame Lark with her musical saw in hand and a zeal for the many and varied voices of birds. After

all that excitement, refuel at the pop-up bar or take time out in the Dinosaur Garden with the science of meditation.

Set to a soundtrack of live music from Jeremy Neale, Kalopsia and Saint Barae, with a special The Pitch performance from Paul Dempsey, everyone's social science experience will be different.

We can guarantee that whatever it is, one night just won't be enough.

OCKHAM'S RAZOR • TRUTHMACHINE • DJ SPOCK ON THE DECKS • WILD SKETCH WITH DEB MOSTERT • THE SCIENCE OF MEDITATION • THE PITCH FT. PAUL DEMPSEY • KALOPSIA • MADAME LARK • THE SCIENCE OF SEX • ASK ME ANYTHING HOSTED BY THE CONVERSATION • STEAM ROOM: A SCIENCE COMEDY EXPERIENCE • SCIENCE WRITE NOW • WHAT GOOD IS THE METAVERSE? • CINÉMA SCIENTIFIQUE • SAINT BARAE • THE HATCHERY • SPARK LAB, SCIENCENTRE • ENTRY TO THE DINOSAURS OF PATAGONIA EXHIBITION • AND MORE!

Warning: This event may contain strong language and adult themes. 18+ audiences only.

★ SPECIAL EVENTS





★ Night of the Nerds

7.30pm–9pm | Saturday 25 March | Playhouse, QPAC |
Adult \$60, Concession \$55

After two sold out shows in 2022, they're back! It's the return of the nerds and World Science Festival Brisbane's unapologetically geeky game show.

Everyone's favourite funny man Mark Humphries returns as quizmaster with comedian Dan Ilic and science communicator extraordinaire Angharad Yeo as your valiant team captains. ABC's Tegan Taylor takes the hot seat as fact checker.

Over 90 nerd-filled minutes, two all-star teams of scientists, tech heads, creatives and funny people face off in a series of challenges to determine who will be crowned the ultimate nerd.

Patience Hodgson leads the house superband to bring toe-tapping razzle-dazzle as our nerd bank of scientific knowledge has you on the edge of your seat and rolling in the aisle (both at once, just like Schrodinger's cat).

Who will lead their team to ultimate victory? Will there be explosions? There's only one way to find out: Be there and be square!

Warning: This show may contain strong language and adult themes. 16+ audiences recommended.



★ A Rational Fear – Live!

4.30pm–6pm | Sunday 26 March | Cremorne Theatre, QPAC |
Adult \$40, Concession \$35

Winner of Australia's Best Comedy Podcast, A Rational Fear, is recording a special World Science Festival Brisbane episode about the beginning of the end of the world. Laugh in the face of the scariest things facing our planet like climate change, superbugs and how Brisbane will be the capital of the world after a nuclear war.

Join Dan Ilic (*Question Everything*) and Lewis Hobba (*Triple J*) as they wrestle some of the biggest names in comedy and politics to tackle the largest issues in our world.

It's fast, it's funny, it's 90 minutes of giggling at our greatest fears. If your Sky News-watching uncle doesn't believe in it, we're making fun of it. It's a scary world; you may as well laugh in its face.

Warning: This show may contain strong language and adult themes. 16+ audiences recommended.



★ Erth's Prehistoric Picnic

9.30am–10.30am, 11am–12pm and 1.30pm–2.30pm |
Wednesday 22 – Sunday 26 March | South Bank Piazza,
South Bank | Adult \$30, Concession \$25, Child \$20
(ages 3–17) Family of 4 (2 adults, 2 children) \$80

Sparking wonder in visitors of all ages, *Erth's Prehistoric Picnic* sends audiences to the wilderness of a distant era.

All you have to do is pack a picnic, practise your dino-voice and prepare to get very close to an amazing array of prehistoric creatures—from baby dinos to some of the largest carnivores and herbivores that have ever walked the planet!

Visitors will get the chance to learn about the amazing creatures that are remembered in the stories of the first people of our nation.



★ Curiosity Brisbane

Multiple events | 22 March – 2 April

Celebrating the nexus of science and art, the *Curiosity Brisbane* 2023 program engages audiences with a dynamic offering of public art installations, conversations, tours and workshops.

Proudly presented by World Science Festival Brisbane, *Curiosity Brisbane* 2023 programming continues until 2 April.

Please see the reverse side of this program for the full range of artworks, events and programs on offer.



Brisbane will once again be transformed into a City of Science from the parklands and cultural precinct of South Bank and the heart of the CBD to the heights of Mt Coot-tha.

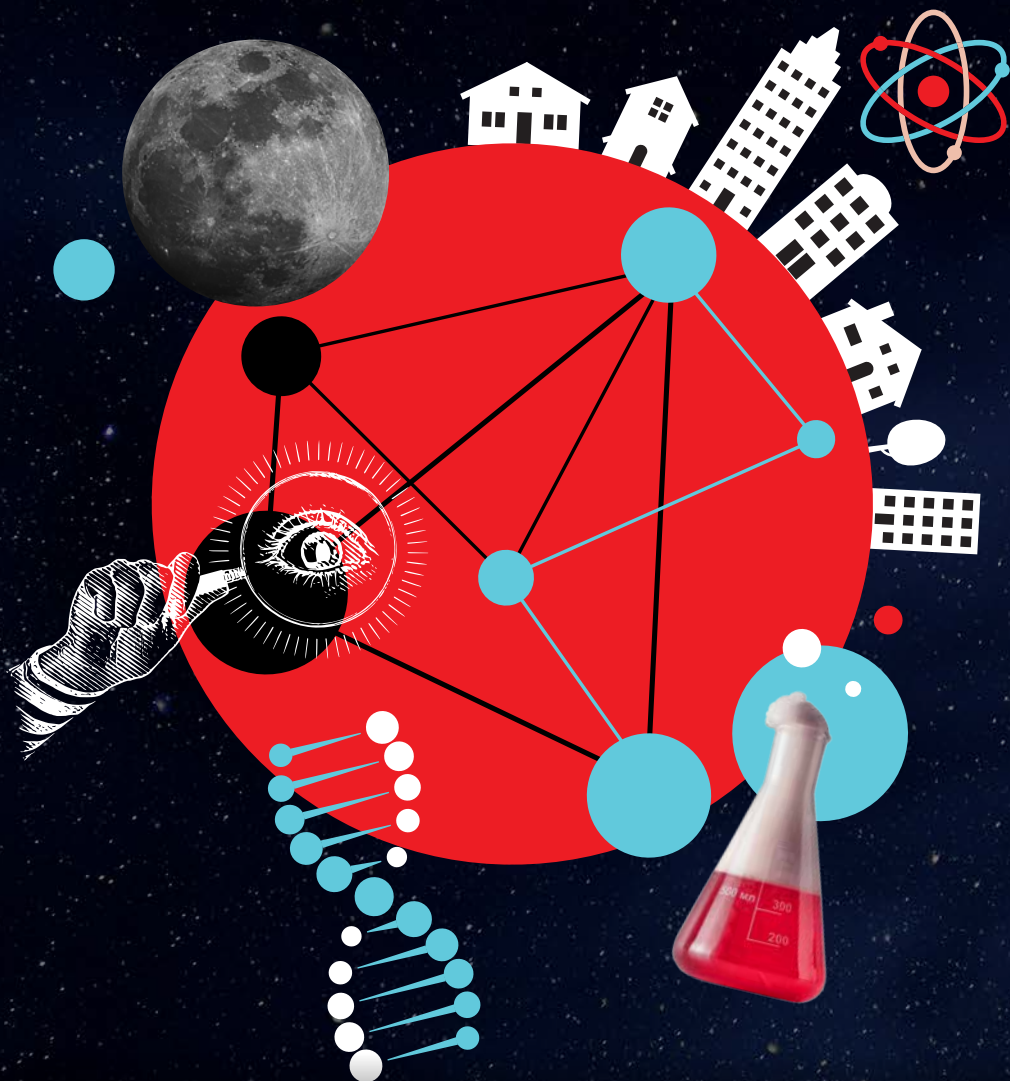
This program for inquisitive minds of all ages includes hands-on science showcases, fascinating tours, and an intriguing web of all things creepy, crawly and crazy!

Over five fun-filled days, World Science Festival Brisbane will paint the city red for Queensland's most vibrant and dynamic celebration of discovery, innovation and creativity.

Most events are free. Some require bookings.

.....
22–26 March 2023
Queensland Museum
South Bank Parklands
Queen Street Mall
QUT
Brisbane Libraries
Mount Coot-tha
.....

CITY OF SCIENCE





Lunchtime Labs: Explosive Science Spectacular!

Daily shows 12pm–1pm | Wednesday 22 – Sunday 26 March
| Queen Street Mall Upper Stage | FREE, non-ticketed

Don't eat lunch at your desk during World Science Festival Brisbane! Head to the Queen Street Mall at midday each day and get smarter while you take a break. Join Legomaster's Jess Heinemann for your lunchtime science snack, as she busts science myths on the mall.

How is sound made? How can the humble rubber band explode a watermelon? Where is my hoverboard? All of your science questions will be answered in this explosive science spectacular, hitting the Queen Street Mall stage for all five days of the festival.

Science Surprise: Tours and Walks

Saturday 25 and Sunday 26 March | Various locations,
South Bank Parklands | Ticketed | See
worldsciencefestival.com.au for locations and showtimes

Get energised while you stimulate your mind! On Saturday 25 and Sunday 26 March, City of Science takes visitors on a scientific journey (literally!) with a varied program of tours spanning our geological and horticultural wonders to capturing the perfect photograph of botanical beauty and the hidden treasures of First Nations peoples.

City of Science: Displays and Demos

8.30am–5pm, Saturday 25 March | 8.30am–4pm, Sunday 26
March | South Bank Piazza, South Bank Parklands | FREE,
non-ticketed

On Saturday 25 and Sunday 26 March, the South Bank Piazza apron will be bursting with live, in-your-face science! This free hub of science activity is sure to delight and surprise visitors of all ages as they explore our STEM stations featuring hands-on activities, real life scientists and fascinating demonstrations.

Films @ GOMA

Friday 24 – Sunday 26 March | Australian Cinémathèque,
Gallery of Modern Art | Ticketed | See
worldsciencefestival.com.au for showtimes

In partnership with Queensland Art Gallery/ Gallery of Modern Art (QAGOMA), *Into the Green* explores the intermingling of humans and nature championing the ways we can live harmoniously with the natural world as a source of nourishment, scientific discovery and hope for our future.

CORAL: Rekindling Venus

23–26 March | Sir Thomas Brisbane Planetarium, Mount Coot-tha | Ticketed | See worldsciencefestival.com.au for showtimes

Take a journey into the unknown of a different kind in the awe-inspiring Cosmic Skydome at the Sir Thomas Brisbane Planetarium.

World Science Festival Brisbane is proud to present award-winning Filmmaker Lynette Wallworth's stunning work *CORAL: Rekindling Venus*. This remarkable experience will leave audiences with a sense of wonder for the complexity of the coral community and a deep-felt longing to see it survive.

Presented with Brisbane City Council

Library Labs: All Creatures Great and Small

Daily shows | Wednesday 22 – Sunday 26 March | Brisbane City Council libraries | FREE, non-ticketed | See worldsciencefestival.com.au for locations and showtimes

World Science Festival Brisbane 2023 will be popping up in 11 Brisbane City Council libraries from Banyo to Brisbane City to inspire and educate our future scientists.

Visit your local Brisbane City Council Library to discover animals from all around the world, and the special ones that live in your backyard! From the local grasshopper to the Bornean sun bear, learn about all creatures great and small and how you can help protect them.

Presented with Brisbane City Council

Little Learners: Dinosaur Romp!

10am–12pm | Saturday 25 & Sunday 26 March | Dinosaur Garden, Level 0, Queensland Museum | Free, bookings recommended

Our littlest learners and their carers are invited to join us for a different kind of Little Learners session. Enjoy your mini festival with a range of drop-in, dinosaur themed experiences.

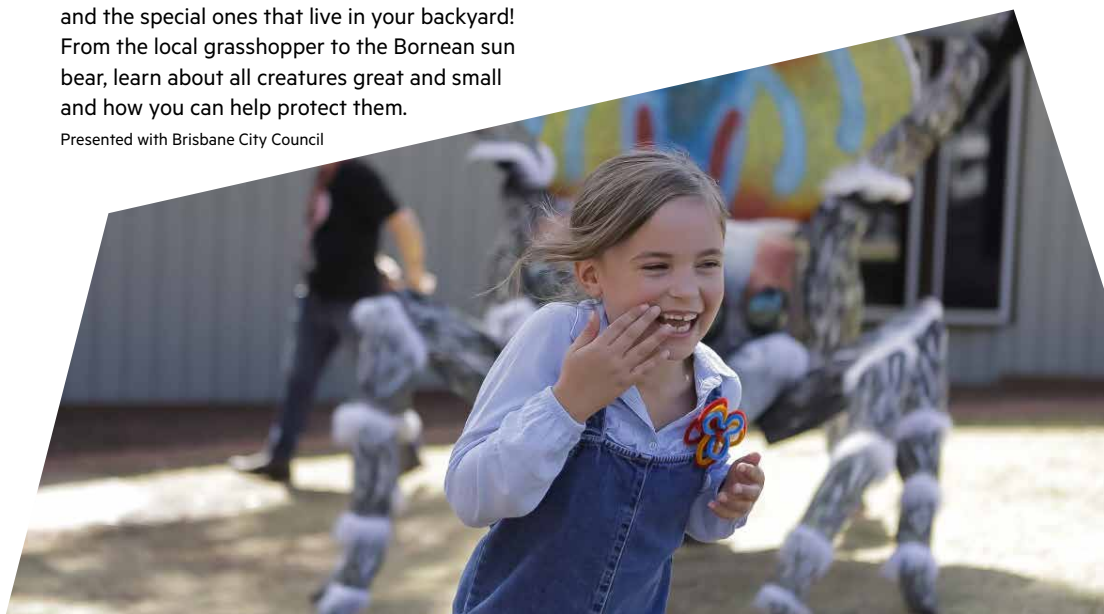
Move about our activity zone at your leisure and enjoy getting hands-on, hunting for hidden clues and creative role-play among our life-sized dinosaur models.

This program is aimed at children aged 5 and under.

City of Science @ The Cube

Wednesday 22 – Sunday 26 March | The Cube, QUT Gardens Point Campus | Free, non-ticketed

One of the world's largest digital interactive display spaces, QUT's The Cube brings the newest research to the public through unique learning experiences. Experience an immersive digital marine ecosystem with *The Living Reef*, step into a virtual-reality wonderland, hear from experts in the *Boldy Go* and *Climate Futures* conversations and experience vibrant projections. Just a short walk over the river from South Bank.



The Hatchery

Multiple sessions daily | Wednesday 22 – Sunday 26 March |
Level 4, Queensland Museum | FREE, ticketed |
Bookings essential | See worldsciencefestival.com.au
for session times

Catch a rare glimpse of Australia's precious loggerhead turtles hatching in their incubation chambers and the first moments of their ocean lives as they meet a seawater environment in specially designed tanks. After the festival, the newborn turtles will be transported to the Sunshine Coast and released 20 kilometres offshore.

The Hatchery is an important conservation initiative that has released almost 500 loggerhead turtles since it started. It has been designed in collaboration with internationally renowned herpetologist Colin Limpus and Queensland Museum Senior Curator of Reptiles and Amphibians, Biodiversity Program and Chair of the Animal Ethics Committee, Patrick Couper.

Hatchery Livestream

Can't catch the hatch? We've got you covered! The Hatchery will be livestreamed on **worldsciencefestival.com.au** from Wednesday to Sunday with support from AARNet.





WSFB Online

World Science Festival Brisbane offers a digital dimension to the program with podcasts, audio tours and the fascinating short film series, Cool Jobs.

Plus, you can look back on previous conversations, discover more about participants and their work, and explore the resources for learners of all ages.

Cool Jobs

Come behind the scenes in a series of short films featuring experts who use science to do some of the coolest jobs on the planet.

They'll share their exciting journey and explain how following their dreams has led them to the most amazing, and sometimes unexpected, jobs in the world.

School Program

In the classrooms of today you will find the Nobel Prize winners of the future. World Science Festival Brisbane's education program is for the inventors, explorers, creative thinkers and scientists of tomorrow.

In collaboration with Queensland Museum Network's educational expertise, we work with Australia's leading academics and subject experts to educate and inspire generations of inquisitive young minds. Through World Science Festival Brisbane, we encourage teachers, students and parents to share in the transformational power of education, learning, creative thought and imagination.

Explore the full School Program at worldsciencefestival.com.au/2023-school-program

The WSFB School Program is in partnership with QPAC.



Like rare earth elements are essential to our high-tech gadgetry, our partners are essential to the continued success of the World Science Festival Brisbane.

We are serious about partnerships and dedicated to developing genuine relationships premised on shared vision, clearly articulated outcomes and measurable, mutually rewarding impact in science, technology, engineering and maths.

If you are serious about partnerships and want to take a leadership role in STEM engagement, contact us on +61 (7) 3153 7841 or email wsfbpartners@qm.qld.gov.au to discuss the opportunities available.

PRESENTED BY



WITH SUPPORT FROM

STRATEGIC PARTNERS



ACADEMIC PARTNERS



COMMUNITY PARTNER



MEDIA PARTNERS



FUTURES PARTNER



EDUCATION PARTNER



VENUE PARTNER



PROGRAM PARTNERS



OFFICIAL SUPPLIERS



PLAN YOUR FESTIVAL EXPERIENCE

Information and Enquiries

Phone:

World Science Festival Brisbane +61 7 3153 7816
Queensland Museum +61 7 3153 3000

Email: wsfbrisbane@qm.qld.gov.au

Website: worldsciencefestival.com.au

Ticket Sales

Book online at worldsciencefestival.com.au

QTIX Ticket Sales

Phone: 136 246

+61 7 3842 9505 AEST (Outside Australia)

Queensland Performing Arts Centre (QPAC) Box Office

Level M, Corner Grey & Melbourne Streets
South Brisbane QLD 4101

9am–8.30pm, Monday to Saturday (AEST)

Email: info@qtix.com.au

Please note the Box Office is open two hours prior to a scheduled performance on Sundays.

Queensland Museum Box Office

Level 2, Corner Grey & Melbourne Streets
South Brisbane QLD 4101

9.30am–4pm, Monday to Sunday (AEST)

Online

Tickets are available for purchase online at worldsciencefestival.com.au

Don't delay, book your tickets today!

Tickets sell out quickly and we don't want you to miss out. All tickets purchased for World Science Festival Brisbane 2023 events can be refunded as per the QTIX Ticketing Terms and Conditions. This includes COVID-19 impacts.

Patrons are encouraged to purchase tickets online to avoid queues.

The Safest Way to Buy

QTIX is the official ticketing service for World Science Festival Brisbane.

Any tickets purchased through unauthorised sales channels may be seized or cancelled without refund or exchange and the ticket bearer may be denied admission.

Unauthorised sales channels include Viagogo, eBay and Gumtree. For more information visit the QTIX page on The Facts About Purchasing Tickets Online.

Getting to QM

The following information is to assist you in getting to and from Queensland Museum and the Queensland Cultural Centre Precinct. Should you require information on travelling on public transport to and from other venues, call TransLink on 13 12 30 or visit translink.com.au

Bus: to Cultural Centre Busway Station.

Train: to South Brisbane Station, opposite QPAC on Grey Street.

CityCat/Ferry: to South Bank Ferry Terminal in South Bank Parklands. For bus, train and CityCat/ferry timetable information, call TransLink on 13 12 30 or visit translink.com.au

Please note: Victoria Bridge is permanently closed to general traffic to facilitate both the Brisbane Metro project and CityLink Cycleway trial. For more information on closures visit brisbane.qld.gov.au

Taxi/Ride Share: to the taxi set-down and pick-up area on either the Grey Street side of QPAC or Stanley Place outside the State Library of Queensland.

Car: via Melbourne Street, Victoria Bridge or Grey Street

Parking:

Art Gallery/Museum Carpark and State Library of Queensland Carpark: Enter from Stanley Place

Riverside Carpark, QPAC: Enter from Stanley Street

Brisbane Convention and Exhibition Centre: Enter from Merivale Street or Grey Street

South Bank Parklands Carpark: Enter from Little Stanley Street

Accessibility

World Science Festival Brisbane is dedicated to being as welcoming and inclusive for the widest audience possible. For more information visit worldsciencefestival.com.au/festivalinformation/brisbane/access

COVID-19 Safety

The health and wellbeing of our visitors, staff and volunteers at the festival and Queensland Museum is our priority.

We continue to work closely with the Queensland Government to ensure the most appropriate response to COVID-19, and to follow all health advice from the Australian Government. Keep an eye on our social media accounts to stay up to date with any event news or visit the Queensland Government COVID-19 in Queensland page available at qld.gov.au/health/conditions/health-alerts/coronavirus-covid-19

Make It A Sustainable Day Out


At World Science Festival Brisbane, we are committed to continuous improvement. We have big goals for the future—and we're taking steps each year to make sure we reach our sustainability targets. Head to our website to learn about our plans and what we're doing; for example, did you know we're a plastic free event?

We hope you can join in, and if we all do a little bit more each year, the future will be bright! You can help us reduce the environmental impacts of the event with a bit of pre-planning.

- Leave the car at home.
- Bring a cup or a water refill bottle.
- Use the right bins.
- Learn about the sustainable development goals via the website at worldsciencefestival.com.au

Get Social

 @WSFBrisbane

 @WorldScienceFestivalBrisbane

 @WorldScienceFestivalBrisbane

 @WorldScienceFestivalBrisbane

Share your festival memories using:
#WSFB2023

This program is printed with soy ink on FSC certified stock made from 100% recycled post-consumer waste



WORLD SCIENCE FESTIVAL MAP



Curiosity Brisbane 2023 Artworks

- ① *Burnett River Petroglyph Rubbings* by Dylan Sarra | Whale Mall, Queensland Museum
- ② *Dr Scraps' Corporeal Symphonies* by Laura Hill | Various locations, collect all 10 across South Bank, the Goodwill Bridge and Queen Street Mall
- ③ *Amplify/Defy* by Jennifer Herd | ABC Building, South Bank
- ④ *T.H.E.M.* by Interactive Media Collective and Griffith University | Clem Jones Activation Space, Riverside Green, South Bank
- ⑤ *The Climate Wars* by Simone Eisler | Riverside Green, South Bank
- ⑥ *Cybernetic Intimacy* by Hochschuh & Donovan | Riverside Green, South Bank
- ⑦ *Refraction Parabola* by Ross Manning | Little Stanley Street Lawn, South Bank
- ⑧ *Pivot* by Madeleine Flynn & Tim Humphrey | Little Stanley Street Lawn, South Bank

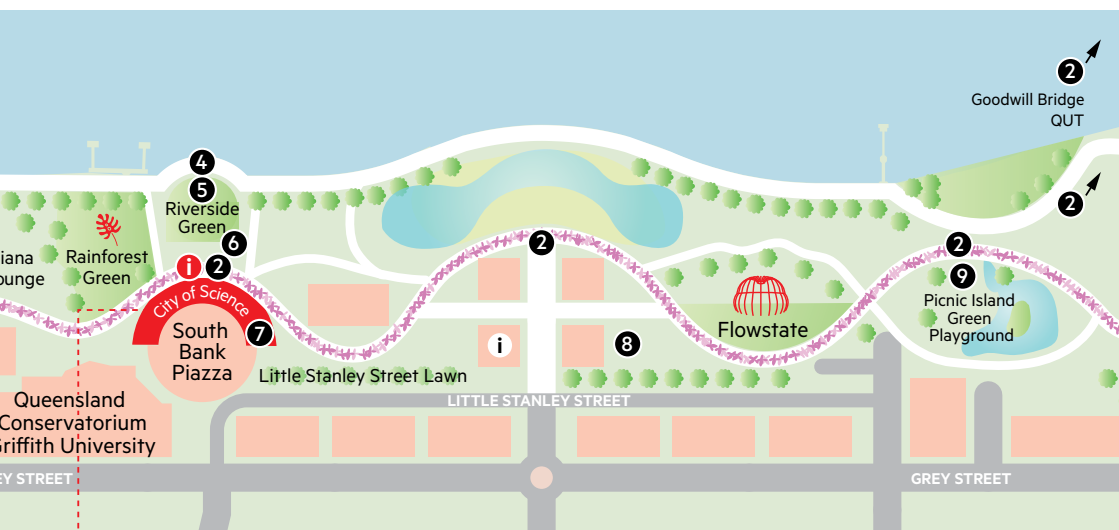
- ⑨ *I SEE*, Martin Edge by Martin Edge & The Culture Crusader | Picnic Island Green, South Bank
- ⑩ *Cat Royale* by Blast Theory | Queen Street Mall (near Wintergarden)
- ⑪ Curiosity School Challenge artworks | Whale Mall, Queensland Museum

World Science Festival Information Tent

South Bank Parklands Visitor Information Centre

Hey Kids!

Look out for family-friendly descriptions of the Curiosity Brisbane artworks on signage spread along the Curiosity Brisbane 2023 trail. There are opportunities for kids to interact with artworks and ponder questions specially crafted for curious young minds.



City of Science: Displays and Demos

8.30am–4pm | Saturday 25 & Sunday 26 March | South Bank Piazza Apron | Free, non-ticketed (drop in anytime!)

City of Science returns to South Bank over the weekend of World Science Festival Brisbane with loads of fun, hands-on activities for the whole family to enjoy. Covering topics such as environmental science, geoscience, biology and technology.

Some of the exciting displays and activities include:

- Fizo the Agile Mobile Robot Dog with University of Southern Queensland
- Professor Tech's Into to Awesome with The CREATE Lab
- Cool Aeronautics: Design and fly a virtual aircraft with Royal Aeronautical Society Australian Division
- QIMR Cells and Sun with QIMR Berghofer
- Bushfoods with Aunty Dale from My Dilly Bag
- SEE your SEA with SOS: Save Our Symbionts by Infinife Designs
- Understanding Earth Science with Geological Society of Australia

- Let's Get it Sorted: Recycling with Department of Environment and Science, Queensland Government
- Butterflies, Bees and Other Insects with Butterfly & Other Invertebrates Club Inc.
- Balance and Gravity: Living in balance with the planet with Big Bang Education
- Soil: Life's foundation with Australian Society of Soil Science Incorporated
- Citizen Science VegeMap with ARC Centre of Excellence for Australian Biodiversity and Heritage (CABAH)
- CoralWatch with The University of Queensland
- Flight Simulator with Griffith University
- World Science Festival Brisbane Art Tent

*Please note, displays and activity providers listed are correct at time of print and may be subject to change.

Science Surprise! Pop-Up Shows

Make sure you visit Rainforest Green on Saturday 25 and Sunday 26 March for some free science-y entertainment to surprise and delight!

Curiosity Brisbane Workshops

QUEENSLAND
MUSEUM
NETWORK

PRESENTS

World
Science
Festival
Brisbane

PROGRAM



CURIOCITY BRISBANE

22 MARCH – 2 APRIL 2023 WORLDSCIENCEFESTIVAL.COM.AU

A collection of abstract geometric shapes, primarily triangles and trapezoids, in shades of red, purple, and orange, scattered across the top half of the page.

ACKNOWLEDGEMENT OF COUNTRY

In keeping with the spirit of reconciliation and on behalf of Queensland Museum Network, we acknowledge the First Peoples—the Traditional Owners of the lands where we live and work.

We recognise their continuing connection to land, water and community. We pay respect to Elders—past and present—and acknowledge the important role Aboriginal Peoples and Torres Strait Islanders continue to play within World Science Festival Brisbane and the Queensland Museum community.



CURIOCITY BRISBANE 2023 PROGRAM

Since 2019, *Curiocity Brisbane* has sparked inspiration and innovation, transforming our city into an interactive place to explore, create and play.

Now integrated with World Science Festival Brisbane, *Curiocity Brisbane* engages audiences with a dynamic offering of public art, conversations, tours and workshops that explore the connectedness of art, science and technology.





Set against the backdrop of provocative artistic installations, *Curiocity Brisbane* extends the art-science dialogue with a free program of intriguing events, workshops and tours.

Meet the creative minds from across Australia and as far as Germany and the United Kingdom chosen to create artworks that blend science, innovation and art, challenging audiences to consider some of the most important issues facing our society and planet.

.....
22 March – 2 April 2023
Queensland Museum
South Bank Parklands
Queen Street Mall
.....

CURIOCITY EVENTS



CURIOCITY EVENTS



Curiocity Brisbane Curator Tours

Take a deeper dive into the creative processes and meanings behind the *Curiocity Brisbane* artworks with a guided walking tour led by Curator, Jay Younger. Tours include talks with Curiocity Brisbane artists and a *T.H.E.M.* music performance by students from the Queensland Conservatorium.

Tour 1

4.30pm | Saturday 25 March | Free, ticketed

Selected *Curiocity Brisbane* Artworks in South Bank Parklands and Cultural Precinct.

Starting location: Whale Mall
(Queensland Museum main entrance)

Duration: Approximately 1 hour 15 minutes

Tour 2

5.30pm | Thursday 30 March | Free, ticketed

Selected *Curiocity Brisbane* Artworks in South Bank Parklands.

Starting location: Picnic Island Green Playground,
South Bank Parklands

Duration: Approximately 1 hour 15 minutes

Curious Conversations

Conversation 1: Art, Culture and Indigenous Knowledges

2:30pm–4pm | Saturday 25 March | Level 2 Theatre,
Queensland Museum | Free, ticketed

What are the ideas behind contemporary First Nations artists' relationship to history and culture? Join First Nations *Curiocity Brisbane* artists Jennifer Herd and Dylan Sarra in conversation with Vernon Ah-Kee to illuminate their ideas about Indigenous culture as a living culture and how they bring this idea to light in their artworks.

Conversation 2: Art, AI and Interaction

1pm–2.30pm | Sunday 26 March | Level 2 Theatre,
Queensland Museum | Free, ticketed

Why are artists using AI in their interactive artworks? Join Public Art Curator Jay Younger in conversation with AI artists Adam Donovan and Madeleine Flynn to illuminate the inspiration behind their artistic practices and specifically *Cybernetic Intimacy* and *Pivot*, their respective artworks in *Curiocity Brisbane*.

Conversation 3: Nature and the Artist

2.30pm–4pm | Sunday 2 April | Level 2 Theatre,
Queensland Museum | Free, ticketed

Why is nature such a source of inspiration for artists and why are living artworks a new medium for artists? Join Public Art Curator Jay Younger in conversation with artist Simone Eisler. A conversation that delves into why nature and the garden in particular offers a rich metaphor for artists and hear the story behind *The Climate Wars* Simone's artwork for *Curiocity Brisbane* 2023.

Curiocity Brisbane Performances

Hear T.H.E.M. Come to Life

6pm Saturday 25 March and 7pm Thursday 30 March |
Clem Jones Promenade Activation Space, South Bank
Parklands | Free, non-ticketed

Come and hear *Curiocity's T.H.E.M.* artwork by the Interactive Media Collective come to life in performance. Musicians from the Queensland Conservatorium will play with these hand-cranked sound-making sculptures accompanied with other electronic and acoustic instruments to create a rich sonic experience.

Curiocity Brisbane Workshops

Curiocity Brisbane creators lead a series of hands-on workshops inspired by their *Curiocity Brisbane* artworks.

Make a Seed-Bomb Horse with Simone Eisler

10am–11:30am and 1pm–2:30pm | Sunday 26 March
9.30am–11am and 12–1:30pm | Sunday 2 April
Riverside Green Pavilion, South Bank Parklands |
Free, non-ticketed (drop in)

Join artist Simone Eisler to create your very own take home mini living horse artwork to plant in your garden! All ages welcome.

Associated *Curiocity* artwork: *The Climate Wars* by
Simone Eisler in the Riverside Green, South Bank Parklands

Make a Circuit “SING”! An Introduction to Handmade Electronic Music with Interactive Media Collective

10.30am–12.30pm and 1.30pm–3.30pm | Saturday 25
March, Sunday 26 March, Saturday 1 April, Sunday 2 April |
Queensland Conservatorium, Griffith University |
\$10, ticketed

Want to find out how you can make fun sounds that you hear in *T.H.E.M.*? This workshop is an introduction to the electronic components used in *T.H.E.M.*, and how they are used together to create all kind of sounds. Suitable for beginners and those with DIY electronics experience, you will create handmade electronic circuits that SING and learn how to play them.

Associated *Curiocity* artwork: *T.H.E.M.* by Interactive
Media Collective in the Clem Jones Activation Space,
South Bank Parklands

I see you, you see me with Martin Edge and The Culture Crusader

1pm–5pm Saturday 25 March | 10am–2pm Sunday 26 March
| 1pm–5pm Saturday 1 April | 10am–2pm Sunday 2 April |
Flowstate, South Bank Parklands | Free, ticketed (drop-ins
also welcome) | Duration: approximately 30 minutes

Artist Martin Edge explores the unique way he sees the world allowing us to see him. Through this children's program, we invite participants to see themselves next to Martin by creating their very own self-portraits to play through Martin's world. Colour in artwork prints and create self-portrait magnet figure shapes in this play-based makerspace workshop. This program is presented by @TheCultureCrusader.

Associated *Curiocity* artwork: *I SEE Martin Edge* by Martin
Edge in the Picnic Island Playground, South Bank Parklands



Burnett River Petroglyph Rubbings

Created by: Dylan Sarra
From: Queensland, Australia

Dylan Sarra's rubbings of the Burnett River Petroglyphs respond to the Queensland Government's removal of culturally significant rock drawings in 1971.

Without consulting the traditional custodians, more than 92 large sandstones sitting in a surface area of 3.348 square kilometres were fractured and removed to make way for a dam wall.

This body of work explores how a creative arts practice can reconnect cultural iconography that has become decontextualised through its removal.

Using the art of frottage (the technique or process of taking a rubbing from an uneven surface), muslin cloth was placed over the original artefacts and natural charcoal was rubbed over the material to expose ancient carvings previously not visible to the eye.

For the first time, this work will incorporate animation to bring the carvings to life. This is done to represent First Nations stories as a continuum of a living and breathing culture.

This immersive installation will be located in the Queensland Museum Whale Mall.



About the Artist

Dylan Sarra is a Gooreng Gooreng/Taribelang artist from the Central Queensland region who currently lives in Brisbane, Australia. With a main focus on exploring identity and place, Sarra uses a range of disciplines such as print, digital works and sculpture to gently persuade an audience into humanising the Indigenous experience.

He is involved in research and development of cultural knowledge and practice, which in turn can be shared with the wider community from where these stories take place. It is Dylan's aim that all people can not only be intrigued by Indigenous culture, but can also start to appreciate the role we all play in acknowledging First Nations peoples.



Dr SCRAPs' Corporeal Symphonies

Created by: SCRAPs
From: Queensland, Australia

Dr SCRAPs' Corporeal Symphonies asks questions about what's cooking on the inside of our bodies.

The intriguing trail of 10 QR code-activated animations, images and stories focuses on the intestinal gases of mythical, prehistoric and everyday animals.

The 'low-tech' DIY 'mashup' aesthetic humorously reminds us that everyone can be captivated by the whimsical yet astounding nature of science.

Each episode is presented by Dr SCRAPs aka electronic music and visual artist Laura Hill who goofily explores corporeal (relating to the body) matters.

Ants, T-rexes, sloths and dolphins are playfully examined for their various intestinal gas-producing capabilities. Some of the kooky questions that surface are based on fiction, some on fact!

Collect all
10 episodes and
receive a digital
bonus surprise.



About the Artist

Laura Hill aka SCRAPs is an electronic music producer and visual artist. Her discography spans over a decade since her debut LP in 2011 on grit institution Bedroom Suck records.

Hill's synthesis of raw rhythms, sequencer intuition and echo-soaked storytelling has honed and decayed, heatwaving between low-lidded new wave, woozy acid ballads and alienated karaoke. Her sound draws links between golden decades of synth pop and club music while remaining firmly set in the contemporary Australian underground.

Although music has been at the forefront of her career, Hill's recent accompaniment of DIY collage-style film clips has embellished her music, adding a new dimension.





Amplify/Defy

Created by: Jennifer Herd
From: Queensland, Australia

Artist Jennifer Herd's large-scale work *Amplify/Defy* will emerge over two levels of the ABC building façade as a beacon of truth-telling in the urban landscape of South Bank.

Jennifer explores the colouration properties of camouflage and combines them with references to the rainforest shields of her ancestors. Her bold visual language amplifies the voice of her people and defies the ongoing silencing of Aboriginal perspectives in Australia's history.

The expansive image and its overlaying elements suggest defence and disguise—as a form of cultural identity—that has become a mode of survival.

The work asks broader society to lift its gaze, look past the camouflage and join the journey of truth-telling to create a deeper sense of place for all Australians.



About the Artist

Jennifer Herd is a renowned conceptual artist and one of the founding members of Queensland's Aboriginal artist collective ProppaNow. Her creative practice spans many mediums and has included installation, painting, sculpture, photography and digital design.

Born in Brisbane, with family ties to the Mbarbarrum people of Far North Queensland, Jennifer's art speaks of her experiences as an Aboriginal person and shares the untold histories of her people in Australia.



T.H.E.M.

Created by: Interactive Media Collective of Griffith University
From: Queensland, Australia

A group of human-powered electronic sound sculptures explores the output of electronic sound through the transference of energy beginning with human kinetic action.

Six different sound- and light-making mechanisms referred to as *T.H.E.M.* (The Handmade Electric Machines) comprise an ensemble of electronic instruments that can be played together or separately.

Creative collaborators from Griffith University's Interactive Media Lab team include musicians, designers and artists. They are committed to sustainable concerns by maximising the creative expression from limited materials and using small amounts of energy. Their intention is for the audience to appreciate their direct participation with generating renewable electricity and having fun being part of an ensemble of electronic instruments.

Students from the Queensland Conservatorium will play the sound devices during a curator's tour. Workshops will accompany this artwork.



About the Artists

The project is designed by Daniel Della-Bosca, Andrew R Brown, John Ferguson and Timothy Tate. The creators are members of the Interactive Media Lab based at Griffith University, South Bank campus, inclusive of staff and doctoral candidates from the Queensland College of Art and the Queensland Conservatorium. The team includes a range of complementary skills across music, media art, product design and interaction design. Each team member is an active and individual media artist with a history of collaboration in various combinations.





The Climate Wars

Created by: Simone Eisler
From: Queensland, Australia

Resonating with the myths of the Trojan Horse and the biblical ark, *The Climate Wars* sculpture delivers a powerful message about nurturing the future of plants and seed banks within a changing political and climatic world.

In stark contrast to the city skyline, Queensland sculptor Simone Eisler's seven-metre-tall living artwork will form the centrepiece of *Curiocity Brisbane* on Southbank's popular Riverside Green.

As the city forms a fortress against nature, the 'ark' must infiltrate the urban environments through subterfuge to disseminate native plant seeds that in turn provide food for native animals, insects and birds, support ecosystems and habitats and cross pollination, and enable the native flora and fauna cycles to continue.

Made from 10 different species and 2000 plants, including several natives that mimic horsehair, mane and tail, *The Climate Wars* installation is supplemented by additional educational workshops.



About the Artist

Simone Eisler is a well-known sculptor who explores the concepts of transformation and evolution in the natural world and the role of climate change and species adaption.

Simone has completed numerous public art commissions, both temporary and permanent, and has had an extensive gallery exhibiting record in Australia and overseas. She works in a range of materials such as metal, including bronze, steel and aluminium; plaster and resins; animal materials such as bones, fish scales and oyster shells; plants; and a broad collection of recycled and found materials.



Cybernetic Intimacy

Created by: Hochschuh & Donovan
From: Germany

A swarm of 15 mobile semi-autonomous robots create an emotionally charged atmosphere through their own kind of body language and behaviours.

Simultaneously, the orchestra of creatures compose a real-time soundtrack engaging the perceptual engine of the listener in an unusual way. A 'keeper' will interact with the public informing them of the swarm's narratives and behaviours.

Cybernetic Intimacy explores interspecies communication between humans and this mechatronic lifeform. In the dark, the lights of the creatures evoke the audience's imagination about their intentions and inner states. The artwork provokes thought about what we expect from robots and Artificial Intelligence. Do we want a swarm of robots to treat us with empathy or to regard us as an optimisation target?

In 2022, German-based Hochschuh & Donovan exhibited the forerunner to *Cybernetic Intimacy* at ZKM Germany, the world's leading museum of electronic art.

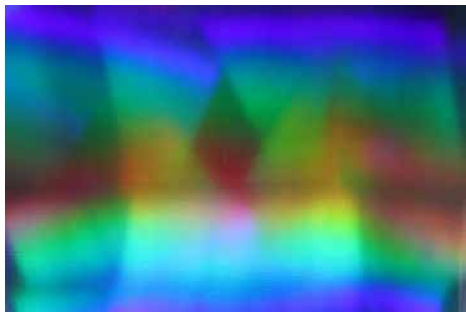


About the Artists

Katrin Hochschuh and Adam Donovan are a collaborative artistic duo working at the intersection of art, science and technology. Their experimental artistic research is focused on developing robotics as immersive, empathetic, inclusive artworks, investigating different robotic platforms and behaviours that emerge from technological possibilities and interaction.

Their participatory robotic sculptures question the role of the human, perception and social implications of technology. Incorporating phenomena like non-linear acoustics into their work, they explore the intangible aspects of physics, amplify their effects, and use them to create new mediums and experiences. Both Katrin and Adam have profound knowledge in programming respectively electronics and hardware design, enabling their unbound creativity in developing their creatures.

The duo perform and exhibit internationally and are part of the European Media Arts Platform. Their artwork is collected by ZKM Karlsruhe. Their works and machines invoke an otherness or timelessness that is only present in the here and now.



Refraction Parabola

Created by: Ross Manning
From: Queensland, Australia

A new large-scale artwork by artist Ross Manning showcases the intense beauty of the visible spectrum as seen in butterfly wings, bird feathers, spider webs and opals.

Refraction Parabola takes form as a large parabolic curve coated in a special wrap with fine slits that filter out frequencies of light. The colours change and morph depending on your viewing angle. The large scale allows participants to be immersed in a field of pure abstracted colour.

The artist hopes the artwork draws the audience's attention to celebrate the beauty of the fundamentals of light, colour and vision.



About the Artist

Kinetic artist Ross Manning explores light, physics, sound and the elements. Repurposing disused and outdated technologies, Ross combines existing components to create dynamic sculptures and atmospheric installations.

By bringing different elements into conversation with materials such as fluorescent tubing, fans, string and unassuming objects, he explores our ongoing relationship with technology and the tool we increasingly rely on in contemporary life. In repurposing and reinventing machines, Ross aims to demystify technology's position and experiment with its material capabilities.





Pivot

Created by Artists Madeleine Flynn and Tim Humphrey
 From: Victoria, Australia
 in collaboration with
 Design Consultant Sue Fenton
 Software Consultant Mick Byrne
 Audio Consultant Jim Atkins
 Technical Manager Bosco Shaw

A field of talking and singing seesaws questions the possibilities, hilarities, failures and provocations of interactions between humans, machines and Artificial Intelligence.

Pivot is an array of semi-intelligent seesaws activated by audience riders. Each seesaw listens and responds to its rider through an internet connected speech recognition interface. Their voices are amplified, allowing audio conversations to be heard within 20 metres. The seesaws also speak 20 different languages and have many voices that carry across the field, creating a chorus of unreliable poetic narration for our times.

Pivot invites audiences to join a conversation of ideas and passions that may well be different to their own. It is a rare opportunity to engage with the world of different ideas through the peaceful means of dialogue. *Pivot* offers itself as a beacon for empathy.

Pivot was commissioned by the keynote program of Melbourne Fringe and has been presented at Darwin Festival (NT), MONA FOMA (Tasmania), Substation (Newport, Brighton Festival UK), Sonica Festival (Glasgow), ANTI Festival (Finland) and Setouchi Triennale (Japan).



About the Artists

Long-term artistic collaborators Madeleine Flynn and Tim Humphrey create unexpected situations for listening. Their work is driven by curiosity and questioning about listening in human and non-human ecologies. It seeks to evolve and engage with new processes and audiences through public and participative interventions.

Madeleine and Tim work with emerging technologies, cultural groups, sites, experts across practice and ensemble-made processes. Their current creative obsessions include acoustics of the dark, existential risk, and ecological and cultural impacts of practice.

In 2017, their practice was awarded the prestigious Australia Council Award for Emerging and Experimental Artforms, making them one of only four artists to have received this honour.

Other awards include several Green Room Awards for Excellence in Hybrid Arts, two Australian National AMC-APRA Awards for Excellence in Experimental Music and the Melbourne International Festival Award. Their work is presented locally, nationally and internationally.



I SEE Martin Edge

Created by: Art by Martin Edge,
Presented by The Culture Crusader
From: Queensland, Australia

"My artworks are like a 'memory jog' of each adventure, but I also like to use my own imagination and creativity to paint the scene how I see or remember it."

Martin Edge

Queensland artist and proud ambassador for Autism Queensland Martin Edge captures and reflects his perspective of the world through recreating memorable moments and recollections, filtered through his imagination.

Martin's art-making process of reconnecting collages of memory-fragments enables us to see what Martin sees—the wonderment of our world from the mundane to the whimsical.

Through this installation, viewers experience a number of Martin's artworks upscaled into playscapes set within South Bank's Picnic Island Green. This includes Martin's latest artwork *Martin's Painting Day* that explores the artist's most sacred and private place—his studio.

For the first time ever, Martin's artwork will come to life through activating this new artwork via Augmented Reality, allowing viewers to delve deeper into Martin's world.



About the Artist

This project is a collaboration between national art treasure Martin Edge and award-winning arts manager, Pia Robinson, Founder of The Culture Crusader. Martin and Pia are BIG dreamers and doers who want to make a difference in the world around them. Martin and Pia's friendship began in 2008. Since then they have weaved in and out of each other's lives, incidentally, influencing each other's careers, growing a little bit older and a lot wiser. Through this mutual friendship, a deep sense of trust, respect and admiration has grown between them over the years.

Martin started painting in 2007. Since then he has made his mark in Australian Art by exploring his special interests through his artwork and adventure making. Some of these special interests are painting, travel, the ocean, a day out, collecting art and antiques, modes of transport (especially CityCats), buildings and cityscapes.

Martin's artwork is held in state and national institutions. He is represented by Anthea Polson Art and Robin Gibson Gallery and is an ambassador for Autism Queensland.

Images courtesy of the artist, Anthea Polson Art and Robin Gibson Gallery.



Cat Royale

Created by: Blast Theory
From: Brighton, UK

Hang out with three cats as they live in Utopia and are treated like royalty. Watch in real-time as the cats explore their world. And decide for yourself what they think of Artificial Intelligence.

Cat Royale is a new artwork by UK-based Blast Theory that explores how Artificial Intelligence will affect us all.

In this world premiere of *Cat Royale*, three cats live in a visually stunning utopian environment, which will be streamed to *Curiocity Brisbane* from the UK. As the cats go about their day, eating, playing and exploring, a dedicated Artificial Intelligence system watches them, learns what they like best, and controls a robot arm that offers a massage, throws a ball or dangles a feather to increase the happiness of the cats.

Cat Royale asks: How intelligent are these systems? Can a computer make us happier? And should it even try?



About the Artists

Internationally renowned Blast Theory have collaborated continuously with the Mixed Reality Lab at the University of Nottingham on research projects and won various awards including the Golden Nica for Interactive Art at Prix Ars Electronica. Blast Theory were the 2018 World Health Organisation's Artists in Residence.





Naturally inquisitive and playful, students are our creative future. The School Challenge brings a youthful lens to *Curiosity Brisbane*, presenting audiences with four artworks from selected Queensland schools, developed in collaboration with celebrated local artists.



The Elements

MacGregor State High School and Emma Gardner

The students at MacGregor State High School have created an artwork that reflects their concern for the state of the natural environment. They have imagined a dystopian future in which life on earth has fundamentally changed.

Using the alchemic process of cyanotype and technology, they have depicted our connection to the natural elements: earth, air, fire, and water, as a record for future generations. Their work is a poetic response to the challenges facing our planet, and it serves as a reminder of the importance of preserving and protecting the natural world for future generations.



About the Artist

Emma Gardner is an interdisciplinary artist based in Meanjin/Brisbane, Australia. Gardner reworks salvaged, silk and organic textiles, and experiments with the laborious and process-driven techniques of cyanotype, tracemonotype and embroidery. Emma is interested in the ethical, class-based and gendered ramifications of the naked body and uses drawing to explore these in her work.





World Tree Melody

Calliope State School and Guy Cooper

The year is 2080, only a few living trees remain on Earth. Despite the endless scientific data and warnings, the climate catastrophe accelerated and Earth's delicate ecosystems collapsed. The generations that followed were forced to develop life support systems for the remaining trees to create the photosynthesis needed to maintain the planet's inhabitability.

The World Tree Melody is an organic, bionic, symbiotic energy exchange machine. It requires the interaction and love of human visitors to survive by converting the carbon dioxide it has with the humans and the technology that surrounds it. Visitors' motion, interaction and love of the tree helps generate an ever-evolving melody that both the tree and the people need to thrive and continue providing for a healthy earth.



About the Artist

An artist of many formats, but primarily a musician, composer, music producer and sculptor, Guy Cooper combines vibrations and sculptural form into art with an emotional and organic focus. A university lecturer of 21 years and the manager and music producer of Serotonin Productions and Human Records, he works with artists in a range of mediums including music, film, sculpture, photography and acoustic design.

With an honours degree in Music, a Physics degree in Astrobiology and a Masters of Creative Industries, Cooper combines his love for art and science with flair and technical skill to create large-scale interactive creative works that connect with audiences of all ages.



The Science of Colour

Bellbird Park State Secondary College and
Therese Flynn-Clarke

The Science of Colour uses an experimental and serendipitous alchemy of plants, minerals and metals subjected to heat and pressure to explore how chemistry and material properties create colour. Lengths of silk and cotton have been naturally dyed using plants such as berries and vegetables and other materials collected locally by the artist and students. This fabric is connected to woven plant fibre circles symbolising wholeness, us, our lives, and the cyclic movement of life.

The plants used are indigenous to Australia aiming to acknowledge the Traditional Owners of our wide and varied land. The installation is more than the *Science of Colour*; its diversity of texture, pattern and colour seeks to reflect our community – a window into who we are.



About the Artist

An experienced visual artist and educator, Flynn-Clarke's art practice exemplifies a passion for sculptural work and mixed media that takes conceptual and material inspiration from nature. Her work also utilises discarded materials with a focus on reuse and repurposing. She is an awarded artist who has exhibited widely both locally and interstate and been involved in numerous community and festival art projects.



Watertoy – Sounds of play

Kimberley Park State School and Make + Meld

In today's tech focused landscape, this interactive artwork intends to bring participants together to participate in a playful, physical experience as an antidote to screens and headsets.

Watertoy is an interactive STEM-focused game which promotes collaborative play. Derived from the initial concept of a collaborative play table conjured up in the minds of three young designers from Kimberley Park State School in Logan, this waterless water toy encourages children to physically play together. *Watertoy* uses the low-tech STEM principles of Archimedes screws and gears to transport balls around the game.



About the Artists

Helen Banks and Emily Higgins, founders of Brisbane based business Make & Meld, are design educators who are passionate about giving young people opportunities to experience the design process through hands-on learning across discipline areas. Their projects, which are delivered Brisbane-wide through schools, kindergartens, libraries and beyond, revolve predominantly around the concept of play and making toys using rudimentary tools and techniques.



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