**World Science Festival Brisbane and The Wonder of Why?**

From devastating bushfires and COVID-19 to global civil unrest and mass protests - there is no doubt 2020 was a challenging year and the world has changed from where we were 12 months ago.

World Science Festival Brisbane has had to change also, so some things will be different in 2021 – we have made more of our program available online, we’re avoiding mass gatherings and everyone will have to check in at events. But this is the new normal, and we’ll get there together. No matter what, now is the time to celebrate science!

In many cases what seemed like abstract ideas last year are now our everyday stark reality. What have we learned? How will science lead us out of our current dilemmas? What were the warning signs?

More than ever, we turn to science, technology and human curiosity to help us understand our circumstances and learn how we and nature might adapt to the new reality confronting us.

This year’s festival celebrates the wonder of ‘why’, with a program placing the spotlight on insightful and challenging conversations and an escape to new and entertaining experiences.

Explore the full program at worldsciencefestival.com.au plan your festival experience and join us either in person or online!

**Book Tickets** online at **worldsciencefestival.com.au**

**Bundle 4+ Tickets and Save**Buy a bundle of 4 or more tickets to selected events in one transaction and receive 20% off!

Please note, this discount applies only to selected events. Visit worldsciencefestival.com.au to find out more.

**Join the Conversation**

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**#WSFB2021**

**ABOUT THE FESTIVAL**Hosted by Queensland Museum, World Science Festival Brisbane 2021 will unravel an extraordinary science journey with a new and improved program and the return of many much-loved favourites.

But things are slightly different this year… more of the program will be available online, some conversations will be live-streamed, we’re avoiding mass gatherings and everyone will have to check in at events.

This program is designed to act as your guide. **For more detailed event information visit worldsciencefestival.com.au to plan your festival experience, explore the full program and book tickets where needed.

CITY OF SCIENCE**This year Brisbane will be the City of Science in a city-wide, free four-day science extravaganza!
This action packed program includes hands-on workshops, science storytelling and audio tours to experiments and big bangs – City of Science is for the whole family.

From South Bank to Mt Coot-tha City of Science will span Brisbane far and wide. Join us as the festival steps outside of our usual footprint and takes science to the streets of Brisbane. *Presented with BHP.*

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| **VENUE/EVENT: AI HUB EVENTS** **ADDRESS: THE PRECINCT, TC Beirne Building, Fortitude Valley****BOOKINGS: FREE, no bookings required** |
| **Saturday 27 March** |
| Cultural Champions in the Age of AI - AI, Culture and Creativity | 10am - 11.30am and 12.30pm - 2pm | Meet a group of AI cultural champions for two thought-provoking panel discussions on the importance of AI, Culture and Creativity. |
| **Sunday 28 March** |
| Unleash your (Disruptive) Tech Geek! - AI & Robotics  | 9am - 12pm and 2pm - 4pm | During this session, people of all ages will be able to learn about and experiment with AI and Robotics.  |
| Extended Reality (XR)  | 9am - 12pm and 2pm - 4pm | In this session, we will be looking at how Extended Reality (XR) can be used to understand the past or improve the future.  |
| Music & AI   | 12pm - 2pm | Algo-rave: you guessed right… it stands for “algorithm” and “rave”. Come and enjoy a performance of AI-generated music.  |
| **VENUE/EVENT: MT COOT-THA EVENTS****ADDRESS: Brisbane Botanic Gardens, Mt Coot-tha.** **BOOKINGS: FREE, some bookings required** |
| **Wed 24 - Sat 27 March** |
| Culture of Plants | 9am - 5pm | The Queensland Herbarium is the centre for science, research and information on Queensland’s ecosystems and species of plants, fungi, algae and animals.  |
| **Saturday 27 March** |
| Herbarium Tours | 9am, 10am, 11am, 12pm and 1pm | Tour the Queensland Herbarium - home to 880,000 an plant specimen collection. |
| Design a plant | 9am - 2pm | Build your very own herbarium specimen using a range of pressed and dried flowers, leaves and fruits.  |
| Thematic Walks in the Botanic Collection | 11am - 12pm | Enjoy a relaxed and informative guided walk through the Brisbane Botanic Gardens with our volunteer guides. |
| It’s Rocket Science | 10am - 1pm | Explore the wonders of rockets and space flight, launch your own rocket… all from a simple soda bottle! |
| The Art of Science - Exploring the Science behind Botanical Art | 10am - 2pm | Exploring plant dyes or using leaf vein patterns to create filigree leaf art - this display that will appeal to your inner artist and scientist.  |
| Spot the Nest Box | 9am, 10am, 11am and 12pm | Nest boxes are an important to wildlife conservation in any areas where natural nesting hollows are not available. Which species uses them here, and why? |
| The Tudor Chemist - Make your own Plague Repellent | 10am and 12.30pm | The medical knowledge of a Tudor apothecary was a fascinating mix of magical beliefs and fact-based medicinal science. Create your own plague repellent! |
| The ‘art’ of a Field Botanist | 9am, 10.30am and 1pm | Go ‘botanizing’ – press and dry your own plant specimen, write botanical descriptions and sketch your own botanical drawings. |
| Indigenous Plant Science | 9am, 10.30am and 1pm | Take a walk through our Australian Rainforest and learn about some of our most useful Indigenous plants and bush foods.  |
| The Science of Companion Planting | 9am and 11.30am | Do carrots really love tomatoes? Let’s look at our Kitchen Garden to see what’s what – plus take home your very own companion plants.  |
| Smart Space Garden Experience | 10.15am and 1pm | Join STEM Punks Smart Space Garden to connect with space seeds, see real space objects, learn to code and test a soil moisture sensor. |
| Digging for Creepy Critters | 10am, 11.30am and 1pm | Soil and leaf litter invertebrates are vital to soil health and their impact on plant ecology is only just being discovered. How many creepy critters can you catch and identify? |
| Night Adventures | 6pm - 8.30pm | Enjoy a guided night-walk and discover the wonders of the Botanic Gardens after dark!  |
| **Wed 24 - Sun 28 March** |
| Return to Planet Earth at Sir Thomas Brisbane Planetarium | Various times | Prepare for lift-off as we journey through time and space to the outer limits of our known universe - and back to Earth in time for dinner. Adult $25 / Con$20 |
| **VENUE/EVENT: BRISBANE CATCHMENTS NETWORK EVENTS****ADDRESS: Sustainability Centre, 1358 Old Cleveland Rd, Carindale****BOOKINGS: FREE, bookings required** |
| **Saturday 27 March** |
| Sustainability Centre Walking Tour | 9am - 4pm | Join this walking eco-tour and learn from an about bush tucker, wildlife corridors, habitat creation, native bees, sustainable gardens and more! |
| Rat problems, owl solutions  | 11am - 11.50am | HOOT HOOT.. did you know poisoning a rat can have terrible consequences for our native owl population? Learn why. |
| Frog fun workshop | 12pm - 12.45pm | RIBBIT! Join in this interactive workshop where we will explore the pond and discover the world of frogs! |
| Nest Boxes explored | 1.30pm - 2.30pm | What animals use which nest boxes? Why do they differ? How do scientists (and citizens!) monitor them? Learn how to make your own! |
| Bird Walk with Queensland Chief Scientist | 6.30pm - 7.30pm | Join Queensland Chief Scientist Professor Hugh Possingham on a guided tour of the bushland of Bulimba Creek and spot the native birds who call this place home.  |
| **Sunday 28 March** |
| Tree Planting - North: Downfall Creek Catchment - 7th Brigade Park, Chermside | 8am - 11am | Join us as we plant trees to create a fauna habitat, increase ecological sustainability and protect Brisbane’s biodiversity - and offset the festival! |
| Tree Planting - South: Minnippi Parklands - 139, Stanton Rd, Tingalpa | 8am - 11am |   |
| **VENUE/EVENT: CITY OF THE FUTURE WORKSHOPS****ADDRESS: The Edge, State Library of Queensland****BOOKINGS: Bookings required $10 per ticket** |
| **Saturday 27 March** |
| Autonomous Vehicles in our Cities | 11am - 12.30pm | How are autonomous vehicles going to change the way we live in a future city? Explore and develop a plan for a city in 100 years' time. |
| Sustainability in our Cities  | 1pm - 2.30pm | Develop ideas and concepts to increase green spaces, renewable energies, vertical gardens and indoor farms in our future cities. |
| Future Foods | 3pm - 4.30pm | Explore the challenges of production, distribution and consumption of food. From emerging technologies in agriculture to food security, test tube steaks, 3D printed desserts. |
| **Sunday 28 March** |
| City Design - The Big 3 R's | 9am - 10.30am | Work with a range of materials to innovate, create and build new spaces for Brisbane residents with a focus on sustainability. |
| Connected Cities | 11am - 12.30am | Challenge the modern ideal of always being connected and use this ideology to create new and exciting ways to connect. |
| Future of Work | 1pm - 2.30pm | This fun workshop will link current jobs to future jobs and use job descriptions and resumes to explore future pathways. |
| Future of our Spaces | 3pm - 4.30pm | Use your artistic skills to draw, create and visualise how their everyday space might look like in the future |
| **EVENT: LIBRATORIUM****ADDRESS: Various locationsBOOKINGS: FREE, bookings required** |
| **Wednesday 24 March** | Dr Karl’s Surfing Safari 12pm – 1pm | Join in from the comfort of your own home and get your questions ready for Dr Karl! Online only - view via facebook.com/BrisbaneLibraries |
| **Thursday 25 March** | Space Exploration3.3pm, 4.30pm and 5.30pm | Our expert Rocket Engineer will answer all of your questions, and then you can launch your own bottle rocket. |
| **Friday 26 March** | Spiders Fun3.30pm and 4.30pm | Dr Robert Raven, Queensland Museum Arachnologist (spider expert!) will be on hand to tell you all about his hairy 8-legged friends.  |
| **Saturday 27 March** | The Crazy World of Dinosaurs10.30am, 11.30am and 12.30pm | Dig for fossils and learn about prehistoric creatures with Queensland Museum Palaeontologist Dr Scott Hocknull.  |
| **Sunday 28 March** | Tech Girls Are Superheroes10am, 11am and 12pm | Learn about building bridges, drones, chatbots or online scams from our Tech Girl Superheroes.  |
| **EVENT: LUNCHTIME LABS****ADDRESS: QUEEN STREET MALL UPPER STAGE, Brisbane CityBOOKINGS: FREE, no bookings required** |
| **Wednesday 24 March** | Explosive Science!12pm – 1pm | Come along and put a little bing, bang, boom into your lunchtime with a spectacular science show for all the family.  |
| **Thursday 25 March** | The Science of Happiness12pm – 1pm | What puts a smile on your dial? We’ll unravel all this in a fun-filled lunchtime that is sure to leave you smiling. |
| **Friday 26 March** | Science Lunch with Dr Karl12.15pm – 1pm | Dr Karl Australia’s most loved scientist will be on hand to answer your burning questions about life and… anything really. |
| **Saturday 27 March** | Pop Up Museum12pm – 1pm | Is that a Nautilus shell? Why don’t spiders get stuck in their own webs? Find out with Queensland Museum experts. |
| **Sunday 28 March** | Gross Science12pm – 1pm | Join the team from Lab Kids as they put on a science show that is dedicated to all things icky. It’s gonna be gross! |
| **VENUE/EVENT: THE NUCLEUS FAMILY EVENTS****ADDRESS: River Plaza, Queensland Cultural CentreBOOKINGS: FREE, no bookings required** |
| **Saturday 27 March** |
| Sport and Science | 10am - 10.45am | Learn about angles, forces, equation and plenty of other things you didn’t even know was part of your favourite sport! |
| The Big Bang Show | 11am - 11.45am | Explore forces, air pressure, states of matter and more - guaranteed to engage and inspire students of all ages. |
| Young People Power | 12pm - 12.45pm | Join 20-year-old business leader Scott Millar as he explores the power of Gen Z and the world they are growing up in. |
| Paper Scissors--- Rock! | 1pm - 1.45pm | Linsey Pollak makes music by live-looping self-invented instruments - like a rubber glove bagpipe! |
| Big Bangaboom | 2pm - 2.45pm | Hands will be set of fire, explosions will rock the building and water coolers will become subversive volcanoes. |
| Earth Hour concert | 8.30pm - 9.30pm | Celebrate Earth Hour with four choirs. Join in and switch off (Upper Eastern Tce, outside museum entrance). |
| **Sunday 28 March** |
| Red Rocket 3 | 10am - 10.45am | A high-energy 3-piece rock band who help kids explore their world. Get ready to blast off! |
| Space and the flying Emu with Dr Nij | 11am – 11.45am | Meet Dr Niraj Lal, the scientist, author and occasional TV star who created Henry the Flying Emu. |
| Juggle Science! | 12pm - 12.45pm | Learn about juggling patterns, shapes, angles and how to predict where your juggling ball will land. |
| UQ Demo Troupe | 1pm - 1.45pm | Ever thought about channelling a million volts of lightning or putting your hand in liquid nitrogen? |
| **VENUE/EVENT: SUBSTATION 33 EVENTS****ADDRESS: 31 Mary St, KingstonBOOKINGS: FREE, bookings required** |
| **Sat 27 and Sun 28 March** |
| E-Waste Recycling | 10am and 12pm | Learn 3D printer building, manufacturing of power-wells, make rechargeable torches or create your own vertical garden from e-waste.  |
| **VENUE/EVENT: WEST VILLAGE EVENTS****ADDRESS: Boundary Street, West EndBOOKINGS: FREE, bookings required** |
| **Saturday 27 March** |
| Beyond Beeswax: candle making | 10am - 11am | Learn how to make candles from beeswax, expand your interest in the world of bees, beeswax and all things environmental.  |
| The Wonderful World of Worms | 11.30 - 12.30pm | Learn how to partner with worms to convert your food scraps into compost can help save the world. |
| Rocket Stoves | 1pm - 2pm | Rocket stoves can solve some of the world's problems - they use less energy, are cheap to make, save trees and can cook a tasty meal!  |
| Waste Free Living | 2.30pm - 3.30pm | Practical hints on how to start your sustainability journey. |
| **Sunday 28 March** |
| West Village: sustainability tour | 10am - 11am | Join in on this back of house tour of facilities including the rooftop garden, the greywater treatment plant and Metro Arts. |
| How to create a living laboratory in your backyard | 11.30am - 12.30pm | This workshop will equip you with skills to help you design a living laboratory in your backyard that you can eat! |
| Building with bamboos | 1pm - 2pm | Test drive your creative skills by making a bamboo structure. |
| Sustainable food wraps with natural beeswax | 2.30pm - 3.30pm | Reduce your use of plastic in the home - join us and learn how to make your own beeswax food wraps. |
| **VENUE/EVENT: QUEENSLAND MUSEUM EVENTS****ADDRESS: Corner of Grey and Melbourne Streets, South Brisbane****BOOKINGS: FREE and ticketed events** |
| **Wednesday 24 March – Sunday 28 March** |
| Conservation in Action | 9.30am - 4pm | Conservation is a field of applied science based on chemistry and materials science - predicting, preventing and slowing the natural deterioration of objects and specimens. FREE. |
| **Wednesday 24 and Thursday 25 March** |
| Delve Into Frog’s Hollow, Brisbane’s First Red-Light District | 10am - 2.30pm | Join Queensland Museum archaeologists as they identify hundreds of artefacts recently excavated from Albert St, the site of Brisbane’s first red-light district. FREE. |
| **Wednesday 24 – Sunday 28 March** |
| Place Invaders | 9.30am - 4pm | Use your mobile phone to stop invasive plants and animals from taking over and learn about them as you go. FREE. |
| Creative Climate Changers Exhibition | 9.30am - 4pm | This exhibition is an insightful and optimistic reflection on the impacts the current climate crisis is having on our society, told through the intimate storytelling of three unique artists. FREE. |
| CoralWatch | 9.30am - 4pm | You can help protect the Great Barrier Reef! CoralWatch integrates coral health monitoring with education and outreach to create reef awareness. FREE. |
| Sea Monsters: Prehistoric Ocean Predators | 9.30am - 4pm | While dinosaurs may have ruled the land, giant marine reptiles hunted the depths of the sea. Discover the secrets of these monsters of the deep! Adult $15.50 / Con $13.50 / Family $46. |
| GroundTruthVR | 9.30am - 4pm | Take the pilot seat of a satellite orbiting high above Queensland’s infinite vistas before touching down to Earth, into the immersive beauty of our land and waters. FREE. |
| **Friday 26 March** |
| Night at the Museum | 5.30pm - 8.30pm | Join Dr Karl Kruszelnicki at Night at the Museum. Recommended for families with children aged 4-12. Adult $35 / Child $15 / Family $80  |
| **Saturday 27 March** |
| Ancient Sea Monsters with Espen Knutsen | 11am - 12pm | Join Queensland Museum palaeontologist Dr Espen Knutsen on a journey of discovering these monsters of the deep. Adult $18 / Con $15 |
| Trapdoor Spiders with Michael Rix | 1.30pm - 2.30pm | Join renowned arachnologist, Dr Mike Rix, as he provides a rare insight into the diverse characteristics and life cycles of the amazing creatures hiding behind the door. Adult $18 / Con $15 |
| After Dark | 5.30pm - 8.30pm | From live music, sea monsters origami and roaming the museum at night. This adult only After Dark event is not to be missed! $35 per ticket |
| **Sunday 28 March** |
| Queensland's Extreme Environments with Gary Cranitch | 11am - 12pm | Join Queensland Museum’s internationally renowned photographer Gary Cranitch, to explore Queensland’s vast coastline to the inland borders. Adult $18 / Con $15 |
| Scientific Illustration with Geoff Thompson | 1.30pm - 2.30pm | Join Queensland Museum’s award-winning, scientific illustrator and deep-focus photographer Geoff Thompson as he explores the ways scientists have captured their images and work through the ages. Adult $18 / Con $15 |
| **THE HATCHERYWednesday 24 March – Sunday 28 marchFREE – bookings required. Limited capacity**Catch a rare glimpse of turtles hatching in their incubation chambers and the first moments of their ocean lives as they meet a seawater environment in specially designed tanks!The festivals annual turtle hatching is an important conservation initiative that allows intimate access to Australia’s precious loggerhead turtles.After the festival, the newborn turtles will be transported to the Sunshine Coast and released 20 km offshore. The Hatchery will be live streamed with support from AARNET. |

**CONVERSATIONS AND TALKS**In 2021, experts will come together to and explore the contribution science makes to our very existence as they examine and celebrate what we know, what we don’t and those working to find out more. This year our conversations and talks will cover everything from the global pandemic and mining the moon to future cities. From Hunting the Cosmic Dawn to the Science of Beer, there is something for everyone! Plus, this year many of our conversations will be available to live stream, and some will be pre-recorded for you to watch online.

The following conversations will take place at QPAC, and the will be live streamed. So you can attend in person, or watch from the comfort of your own home.

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| Until the End of Time | Wednesday 24 March | 7.30pm | Adult $35Concession $30Live Stream $10 | Premiering at World Science Festival Brisbane, world renowned physicist Brian Greene has created a cinematic journey from the big bang to the end of time. ABC Science Editor, Jonathan Webb will be your host as Brian Green appears live on screen and from New York State following the premier of his film Until the End of Time. |
| Cities 2060 | Thursday 25 March | 6pm | Adult $35Concession $30 Live Stream $10 | Why is it so important to plan for 2060 now?Specialists in built environment, urban design, architecture, town planning and tech come together to imagine the cities of our future. How we live, work, commute and travel. How we manage energy, waste and water. And how today’s science, technology and planning can contribute to a better way of life and shape the cities of the future. Presented with Griffith University |
| Running the Planet Without Costing the Earth | Friday 26 March | 6pm | Adult $35Concession $30 Live Stream $10 | Why is it so hard to switch to clean energy?A (solar) panel of energy experts explore the path to a sustainable energy future and reveal some of the ground-breaking solutions that just might save our planet. Presented with QUT |
| The Pulse of the Pandemic | Saturday 27 March | 11am | Adult $35Concession $30Live Stream $10 | Why didn’t we listen to the warning signs?On the first anniversary of social distancing and large-scale lock downs in Australia, we review a devastating year, assess the state of play in 2021, and draw out the lessons of the past in order to pandemic-proof our future. Presented with The University of Queensland |
| Why Trust a Scientist? | Saturday 27 March | 6.30pm | Adult $35Concession $30Live Stream $10 | In a world where misinformation and mistrust thrive, fake news can go viral and conspiracy theories are more popular than ever – science is under attack. Opinions trump facts and truth is no longer absolute. Why should we trust scientists? Or perhaps more tellingly, what does it mean if we can’t? |
| Science vs Politics | Sunday 28 March | 11am | Adult $35Concession $30Live Stream $10 | Scientific rigour doesn’t always survive in a political system based on popularity and self- preservation. And we don't have to look far to find examples of policy making that elevates economic or electoral essentials over environmental or health imperatives. Two ex-politicians reveal the behind-the-scenes machinations that occur when government is faced with scientific evidence that informs policy and action.  |
| Hunting the Cosmic Dawn | Sunday 28 March | 3pm | Adult $35Concession $30Live Stream $10 | Why is SKA set to rock the universe?Join a constellation of astrophysicists and their celestially inclined counterparts as they shine new light into the cosmos to determine what the first stars looked like, the nature of dark energy and the future of the universe. Presented with The University of Queensland. |

**PRE-RECORDED CONVERSATIONS**This year we are doing things a little different with our conversations, and we’re excited. World Science Festival Brisbane has been working with Griffith Film Schools LiveLab to pre-record some of our most interesting conversations. This means you don’t have to leave the comfort of your own home, you don’t need to buy a ticket and you can watch on the go if that suits!

The following conversations will be available to watch FREE via worldsciencefestival.com.au from Wednesday 24 March. Watch one or binge them all and remember share with your friends!

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| Rising Tides, Searing Heat: Indigenous Australians and the Climate Crisis | Why is the wider community not listening to Indigenous peoples when it comes to climate change?Climate change will affect our lives in so many ways, but for many Aboriginal and Torres Strait Islanders the threat is already a devastating reality. |
| How to Change the World | Why are young people our greatest hope?Brilliant young minds and global-influencers share their visions of a brighter future and how we can all play our part in changing the world. |
| Hypothetical: The Moon is Mine | Why can’t I own a piece of the moon?Award-winning science writer and presenter, Bernie Hobbs guides a cast of politicians, scientists and business leaders through a hypothetical minefield of possibilities, ethical and scientific dilemmas, and challenges attached to the commercialisation of space |
| Mild Altering Medicines  | Why is tripping trending in medicine again?From psilocybin to MDMA (or mushies to molly), take a trip into the world of hallucinogens as scientific researchers reveal insights from trials around the world including Australia’s first psilocybin clinical trial. The results are astounding! |
| Disrupting Bushfires | Why do we need robots to fight the fires?And yet, we find ourselves at the mercy of unprecedented bush and wildfires which continue to devastate land, lives and livelihoods in Australia and around the globe. The situation is set to escalate with the changing climate. How can we combine the knowledge and skills of traditional owners with cutting-edge technologies to protect our sunburnt country? |

**THE NUCLEUS**On the banks of the Brisbane River a short walk from the Queensland Museum - The Nucleus will be the centre of festivities! A lounge room meets laboratory with diverse and fun programming from conversations and trivia to comedy. The Nucleus is the festival’s designated hang out spot and will be relaxed, informative and … super sciencey.

Bring the kids during the day or enjoy an afternoon drink as the sun sets, we got you covered. The following events are programmed for The Nucleus, all events are free and no bookings are required.

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| **Thursday 25 March** |
| DJ Black Amex  | 5pm | DJ Black Amex plays a groove-driven mix of disco, funk, house and rare remixes and edits. An avid vinyl collector and freewheeling selector. Never playing the same set twice, DJ Black Amex always looks to bring the crowd on a journey of vibe and groove! |
| Sustainability in Art & Design | 6pm | Art and Design are responsible for a creative and an environmental footprint. Whether creating large scale outdoor festivals, considering set materials or exploring energy generation and consumption - the environmental impact of our creative endeavours must influence our practice. Meet creative minds bringing sustainability to Art and Design. |
| Dangerous Song | 6.45pm | Dangerous Song is a response to the current 6th Extinction Crisis, combining human voice with the sounds of endangered and extinct animals. Through music and the sound of real animal calls Linsey Pollak speaks directly to the heart in a way that words cannot, while Lizzie O'Keefe weaves her voice in and out of this musical landscape.  |
| Curious Conversations Hosted by Benjamin Law  | 7pm | Explore the hyper connected underworld of mycelium through the eyes and lenses of artists and naturalists. Discussion facilitated by Benjamin Law. Presented with Curiocity Brisbane. |
| Creative Collisions  | 8.15pm | What happens at the intersection of Science and Art? Is the creative mind so different from that of a scientist or researcher? In these short, sharp sessions we’ll learn about the melding of minds to create some truly inspiring outcomes. Join us to explore these unlikely alliances and their creations. |
| **Friday 26 March** |
| Paulina | 4.30pm | The foundations to 16-year-old Paulina’s artistry are found in her parents’ CD collection, artists such as The Beatles and Crowded House. Stunning her parents by performing at an early age she has been singing and playing the guitar ever since.  |
| Beauty & the Beats | 5.30pm | Beauty & The Beats is a Brisbane-based acoustic R&B group creating an explosion of pop-inspired, R&B acoustic music mixed with rap. Enjoy intricate playing of the guitar, grounded by the bass of the Beatbox as sweet melodies float to your ears, this is one unique musical recipe you’ll want to hear! |
| A Lighter Side of Science  | 7pm  | A science variety night like no other - with trivia, comedy and bizzarro science stuff, you’re up for an unforgettable evening of mind-boggling, jaw-aching, simulated science-silliness! Drop in anytime to enjoy liquid libations, play quick rounds of smart phone trivia and learn about the stranger side of science and listen to some cool tunes. |
| **Saturday 27 March** |
| Sport and Science | 10am  | Whether we’re watching it, reading about it, or playing it, sport is one of Australian’s biggest pastimes. Did you know that maths and science are behind all of your sport activities? Learn about angles, forces, equations in sport! |
| The Big Bang Show | 11am  | The Big Bang Science Show brings to life the science that surrounds us every day. Explore phenomena such as forces, air pressure, states of matter and more - guaranteed to engage and inspire students of all ages. |
| Young People Power | 12pm  | Generation Z have grown up in a world unlike that of any other generation. Born after 1995 and surrounded by tech and social media - this generation see the world in a different way. Join Gen Z business leader Scott Millar as he explores the power of this group! |
| Paper Scissors--- Rock! | 1pm  | Linsey Pollak makes music by live-looping self-invented instruments such as a paper clarinet, a drinking straw oboe, a Cylisax and a rubber glove bagpipe. Creating layers of music and demystifying the process of instrument design and music itself. |
| Big Bangaboom | 2pm  | In this Science show all rules are broken. Hands will be set of fire, explosions will rock the building, water coolers will become subversive volcanoes and mega soap explosions will cleanse any preconceptions of what science can be! |
| Graham Moes | 3.30pm  | Singer-songwriter and producer Graham Moes has a uniquely rhythmic and soulful looping sound, combining flavours of roots music, modern electronica and gritty blues guitar. Thoughtful song-writing in a dynamic, heartfelt and energetic live performance.  |
| Science (in) Fiction | 5pm  | Worldwide, public attitudes toward science are shifting as scientific information is inundated by and confused with opinions, speculations, and falsehoods. This panel will explore the role of fiction in communicating scientific facts—as a means of contextualising ideas, applying them to everyday lives, and reaching more-diverse audiences.  |
| Ockham’s Razor with ABC Science | 6.30pm | ABC Science returns to Brisbane for a special recording of Ockham’s Razor – a weekly podcast and program on ABC Radio National. A soapbox for all things scientific: stories, insights, arguments or tributes – expect a jam-packed afternoon of short talks that will intrigue, excite and inspire!  |
| DJ Black Amex  | 9pm | DJ Black Amex plays a groove-driven mix of disco, funk, house and rare remixes and edits. An avid vinyl collector and freewheeling selector. Never playing the same set twice, DJ Black Amex always looks to bring the crowd on a journey of vibe and groove! |
| **Sunday 28 March** |
| Red Rocket 3 | 10am  | Red Rocket 3 is a three-piece live rock band for kids, a high-energy show which helps kids explore their world through music, games and a whole lot of fun. Get ready to blast off! |
| Space and the flying Emu with Dr Nij | 11am  | Meet Dr Niraj Lal, the scientist, author and occasional TV star who created Henry the Flying Emu. Explore the physics of gravitational orbit (via a flightless bird of course!).  |
| Juggle Science! | 12pm  | Although technically not scientists, did you know jugglers work with science every day? Join STEAM Circus to learn about juggling patterns, shapes, angles and how to predict where your juggling ball will land. |
| UQ Demo Troupe | 1pm  | Ever thought about channelling a million volts of lightning? Putting your hand in liquid nitrogen at 200 degrees below zero? Or maybe taking a nap on a bed of nails?! Join UQ Demo Troupe... if you dare.. |
| Science of Beer  | 2pm  | Beer isn't just tasty, it's also one of humanity's first great science experiments! Join BeerMatt and Dr Joel as they talk about what makes beer taste like beer, the secrets of brewing, whether there's a right way to drink a beer, why bubbles go down in a glass of Guinness - and more! |

**Events at River Plaza, Queensland Cultural Centre**

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| **Terra Firma**“Discover the earthly wonders beneath your feet”Explore Terra Firma to learn more about the wonderful world of Earth Sciences. From Core to Crust learn about Mineralogy, Volcanology and Palaeontology. Shift Tectonic Plates, Simulate Rock formation and find some fascinating facts about Fossils.Come and feel the earth move under your feet at Terra Firma - watch it the floor is lava! *Presented with BHP*Wednesday 24 March – Friday 26 March, 10am–2pmSaturday 27 March – Sunday 28 March, 9am–4pm |

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| **Listen and Learn Together, play for under 5’s**Come along to a hands-on adventure, where children and babies can explore the wonder of the world around us.Investigate different spaces, problem solve through designing marble runs and experiment with early robotics. *Presented with C&K*Wednesday 24 March – Friday 26 March, 10am–2pmSaturday 27 March – Sunday 28 March, 9am–4pm |

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| **Art Trail**Explore a collection of inspiring and thought provoking installations and activations by local artists, designers and students. The Cultural Precinct will be home to a series of large scale outdoor public artworks at the very intersection of science and art. A giant Ibis made of rubbish, a recycled timber Koala and an interpretation of Professor Ed Hawkin’s ‘warming stripes’. |

**FILMS**‘All in the Mind’ spotlights films that consider our desire to understand how our mind works. Presented in partnership with the Australian Cinémathèque, GOMA, these films unpack our curiosity towards psychological and neurological conditions, our desire to tinker with our brains through psychedelic and medical interventions, and how these explorations nudge at broader fears of medical treatment for mental ill health.

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| **Films at QAGOMA****Stanley PlaceAdult $12/Con $10** |
| **Friday 26 March** |
| Dosed 2019 | 6pm | A chapter in the ongoing discussion on the use of psychoactive substances to treat mental ill-health. A a powerful and honest portrait of active drug addiction and the lengths someone will go to be free of dependence. |
| Fear and Loathing in Las Vegas  | 8.30pm | Terry Gilliam’s adaptation of Hunter S. Thompson’s novel unfolds as a delirious road trip. What begins as a journalistic assignment turns into an experimentation with the mind expanding capabilities of psychoactive drugs. |
| **Saturday 27 March** |
| Oliver Sacks: His Own Life | 1pm  | A celebrated neurologist and one of the world’s most beloved science writers, Oliver Sacks, is given the spotlight as his life and work is explored in this new documentary by Ric Burns. |
| Hunting for Hedonia | 3.30pm  | Hunting for Hedonia examines the recent revival of the controversial and extraordinary medical technique Deep Brain Stimulation. Might medicine have the power to change a person’s personality and emotions? |
| **Sunday 28 March** |
| The Babadook | 1pm  | Amelia struggles to discipline her ‘out of control’ son Samuel - but when she begins to see a sinister presence she realises the thing Samuel has been warning her about may be real. |
| Systemsprenger (System Crasher) | 3pm  | Inspired by the writer-directors own angry tendencies in childhood, System Crasher examines the environmental and emotional influences that can shape violent and dangerous behaviour.  |

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| **The Residents***..Recent sightings of prehistoric reptiles swimming in the Brisbane River have stirred excitement among curious locals. Passers-by claimed the creatures were up to 12 metres long with massive heads, short necks, powerful jaws and large teeth…*Working with Queensland Museum palaeontology staff Craig Walsh has created an artwork which comes to life after dark, as creatures swim, dive and surface along the water. Best view is from the Goodwill Bridge! 8am – 8pm FREE. *Presented with Curiocity Brisbane* |