



Workshop Timetable

Sunday 21 August 2022
10am - 2.30pm

	Room 1	Room 2	Room 3	Room 4	Room 5
Session 1 from 10am	Digital Creators (BOP) 10-11.15am (Gr 3-6)	Shark Discovery (Ocean Life) 10-11am (All Ages)	Lego Robotics Challenge (Young Engineers) 10-11.15am (Gr 3-6)	Slime (Big Bang Education) 10-11am (Prep - 2)	Game Development (Splash) 10-11am (Gr 4-6)
Session 2 from 11.30am	City of the Future (BOP) 11.30am-12.45pm (Gr 3-6)	Weird & Wonderful Sea Creatures (Ocean Life) 11.30am-12.30pm (All Ages)	Lego Brick Challenge (Young Engineers) 11.30am - 12.30pm (Pr-2)	Edible Science (Big Bang Education) 11.30am - 12.30pm (Gr 3-6)	Rocket Science (It's Rocket Science) 11.30am-1pm (All Ages)
Session 3 from 1.00pm	Worm Farms (B4C) 1-2pm (All ages)	Game Development (Splash) 1-2pm (Gr 4-6)	Forensic Science (EG) 1-1.45pm (All ages)	Slime (Big Bang Education) 1-2pm (Prep - 2)	

Free activities and displays in the Hall including:

Cross River Rail "Science of Tunnelling" program, including VR Experience | Cool Aeronautics | Live Bee Hive & Honey Tasting Experience | Spaghetti Bridge Challenge | Balmoral High School STEM Team | Bulimba Creek Catchment | Queensland Museum Displays | Maker Space | Marble Run Activity | **Recycled Fashion Display and Parade at 2.10pm**





Digital Creators - 10am to 11.15am

Presented by BOP Industries | Ages: Grade 3 - 6 | Duration: 75 mins | \$25

The future is changing rapidly and the way we live, work, and play is evolving and developing on a daily basis. Participants will get hands-on with a range of new and emerging technologies such as holograms, augmented reality, 3D printing and more. They will use their problem-solving skills to develop a series of out of the box solutions to some real-world challenges.

Shark Discovery - 10am to 11am

Presented by Ocean Life Education | Ages: Prep - Grade 6 | Duration: 60 mins | \$15

In this interactive program students discover amazing facts about these extraordinary ocean animals. Learn why sharks attack humans and how different sharks have different teeth. Have you ever considered how sharks are born? Marine creatures the children can touch and artefacts like shark jaws create excitement, while learning the importance of sharks and safe swimming practices.

Lego Robotics Challenge - 10am to 11.15am

Presented by Young Engineers Brisbane | Ages: Grades 3 - 6 | Duration: 75 mins | \$25

Robo Bricks is an amazing new building and coding robot that introduces children to the exciting world of robotics. Children learn to 'think like engineers' by building motorised robot 'models' using LEGO®, motors and batteries.

Slime - 10am to 11am (Session 1), 1pm to 2pm (Session 2)

Presented by Big Bang Education | Ages: Prep - Grade 2 | Duration: 60 mins | \$20

Are all slimes the same? No way! Come and discover the sticky, slimy and gross world of slime. All participants will have the chance to make and keep their own slimy creations.

City of the Future - 11.30am to 12.45pm

Presented by BOP Industries | Ages: Grade 3 - 6 | Duration: 75 mins | \$25

The City of the Future program will see students working on challenges on how we can use innovations from around the world to design our connected cities of the future. From toothbrushes that can track what teeth you've brushed, fridges that can automatically order you milk as soon as you run out and even robots that can keep pets and children entertained. Topics include: Exploring City Design Around The World, Smart Cities, Sustainable Cities, and Future Of Transport.

Game Development - 10am to 11am (Session 1), 1pm - 2pm (Session 2)

Presented by Splash | Ages: Grade 4 - 6 | Duration: 60 mins | \$20

This workshop introduces budding young designers and developers to the principles of practical game design & development. Learn to create and code your own games using free tools made available in popular games like Roblox. This is a perfect course for first time game developers.



Rocket Science - 11.30am to 1.00pm

Presented by It's Rocket Science | Ages: Prep - Grade 6 | Duration: 90 mins | \$25

Be a rocket scientist and explore the properties and movement of flying objects. Students will make a simple bottle rocket, then use their senses to compare the push and pull forces used to move flying objects to see what flies higher, faster or further. Watch their excitement take off as their rocket is launched 60 metres into the air!

Weird and Wonderful Creatures of the Sea - 11.30am to 1pm

Presented by Ocean Life Education | Ages: Prep - Grade 6 | Duration: 60 mins | \$15

Discover amazing facts about extraordinary sea creatures. This interactive program will intrigue students while teaching the important message of caring for our environment. Get up close and touch live marine creatures and explore artefacts and games. Students will be surprised at the diversity of bizarre looking creatures in the ocean, including crocodile fish, zebra fish, lion fish, elephant fish, pufferfish, giant pencil urchins and daddy seahorse.

Lego Brick Challenge - 11.30am to 12.30pm

Presented by Young Engineers Brisbane | Ages: Prep - Grade 2 | Duration: 60 mins | \$25

The Bricks Challenge program introduces primary school children to the basic principles of STEM. Children learn to 'think like engineers' by building complex motorised machines using LEGO®, motors and batteries.

Edible Science - 11.30am to 12.30pm

Presented by Big Bang Education | Ages: Grade 3 - 6 | Duration: 60 mins | \$20

We dive into the kitchen to see what science lies within the foods we love to eat. Young scientists will make sciencey treats they can eat, and we make some liquid nitrogen ice cream for everyone. Warning: This program is delicious!

Worm Farms - 1.00pm to 2.00pm

Presented by Bulimba Creek Catchment | Ages: Prep - Grade 6 | Duration: 60 mins | \$15

Come and explore worms and create a worm farm! Workshop facilitator Gary will share some fun worm facts. We'll then get hands-on by making a worm farm together. Then each child will make their own worm farm (out of a soft drink bottle) to take home! There will also be other worm-related creative activities to enjoy.

Forensic Science - 1.00pm to 1.45pm

Presented by EG Incursions | Ages: Prep - Grade 6 | Duration: 45 mins | \$25

Someone has broken into the school safe and stolen the cake sale money! Our young investigators must tape off the area in order to protect any evidence. Clues and evidence must be identified, collected, interpreted and analysed. These include fingerprints, impressions, hairs and fibres and 'blood', bones and DNA. Can you solve the mystery?