**BY STUDENTS
FOR STUDENTS**

THE GAP
OURS THE FUTURE
STATE HIGH SCHOOL

Gratitude
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LAUNCH CONFERENCE
2023 PROGRAM INFORMATION

Launch 2023

About Launch

Launch is a student-led STEAM program (Science, Technology, Engineering, Arts, and Mathematics) held at The Gap State High School in Brisbane, hosting various activities and events throughout the year. We invite students from other Metropolitan Queensland schools to attend our workshops ranging from robotics to building artistic masterpieces.

Launch *Gratitude* Conference 2023

The Launch Conference celebrates everything STEAM in a jam-packed day full of activities and challenges, encouraging entrepreneurial thinking and problem-solving.

In 2023, Launch plans to go above and beyond anything we've done before with more workshops, more attendees, and more surprises. Like years before students will attend STEAM-related workshops, applying skills to a range of practical, hands-on activities in an open and social environment. Additionally, they also get the opportunity to hear from an industry leader about the utilities of STEAM in the real world before participating in the Launch STEAM Challenge. The Launch STEAM Challenge asks students to design, model, and present a product that will solve an identified real-world problem related to the theme of 2023.

Launch's previous theme was Think Big and Launch. However, the 2023 Conference theme is Gratitude. As residents in Southeast Queensland, we have much to be grateful for. This year we hope to provide students the opportunity to impact the lives of other students by partnering with an organization that unites the global community. We can't give everything away, but you get to change the lives of others and have the opportunity of ideating ways that STEAM can assist and improve communities far beyond Queensland borders. Together we can change the world!

The Details

📍 The Gap State High School, Queensland

📅 1st of September 2023

⌚ 8:30am – 4:30pm (Minor Change May Occur)

👤 Grades 5 -12

🎟 $ 65 per student

What's Included

🍔 Afternoon Tea

🛍 Launch Conference Product bag

🖼 You can keep your work in some workshops

🧑‍🏫 Keynote Presentation

⚒ 3 Workshops of your interest

👥 Real-World Problem-Solving Activity

What people have to say about Launch

"It was a lot of fun; I can't wait till next year!"

"I came for one workshop, but I loved all of them"

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Things you need to know

- Parents are responsible for pick-up and drop-off of students.
- Launch Conference is only available to students in grades 5-12
- Students may bring their own device if they wish, however not required.
- All participants must purchase a ticket, complete the Launch permission form, and media release form.
- Tickets are limited
- All tickets are due by 7th August 2023 at 3:30pm

Workshop Information Key

Display Image

Workshop Name

Workshop Info

Drones
Want to fly a drone? We need your help to program a drone to fly through an obstacle course to deliver a customer's order! Are you up to the challenge?
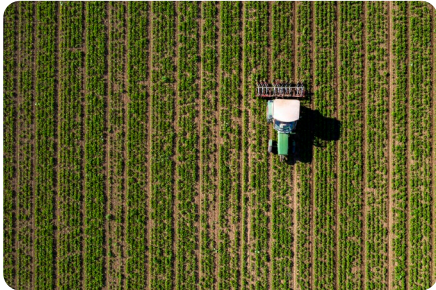
CODING – LOGIC – ROBOTICS

Categories

Difficulty Rating

Workshops – Grades 5 and Above

Agricultural Science
Students will conduct experiments involving foreign debris in soil, pH testing, and its effect on serial crops such as barley.

BIOLOGY – CHEMISTRY – AGRICULTURE

Difficulty
●○○○○

AutoCAD
Students will get to make their very own logo using the CAD design software, AutoCAD. Once there logo is complete, they'll be able to get it laser cut.

CAD DESIGN – ENGINEERING - CREATIVE

Difficulty
●●●●○

Biology
Students will get the opportunity to use microscopes as we look at a number of plants, insects and other organisms.

BIOLOGY – ORGANISMS – ANALYSING

Difficulty
●●○○○

Blender Sunrise
Do you enjoy 3D modelling? Well come along to this workshop and learn how to use Blender so you can make your own sunrise
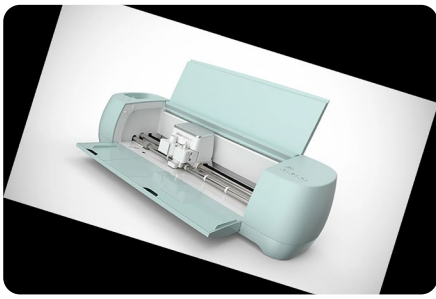
3D MODELLING – TECHNOLOGY - CREATIVE

Difficulty
●●●○○

*Workshops are subject to change. If any changes occur anyone who has already purchased a ticket will be notified and be given the opportunity to change their selection if they wish to. Images displayed are not necessarily related to content covered or activity and are only for illustrative purposes.

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Cricut Sticker Making

Express your creativity with the Cricut workshop. Come make stickers using the circut machine

CREATIVE – ART – SEWING

Difficulty
●●●○○○

Chemistry

Mix things together in the chemistry workshop to create something new. Take home your own product and learn the basics of chemistry

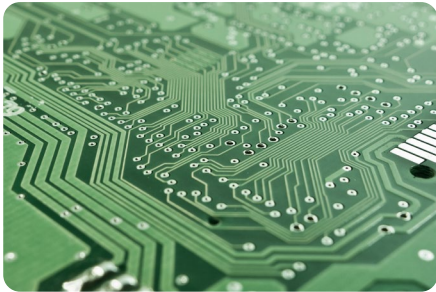**CHEMISTRY – SCIENCE – CREATING**

Difficulty
●●○○○○

Drones

Want to fly a drone? We need your help to program a drone to fly through an obstacle course to deliver a customer's order! Are you up to the challenge?

CODING – LOGIC – ROBOTICS
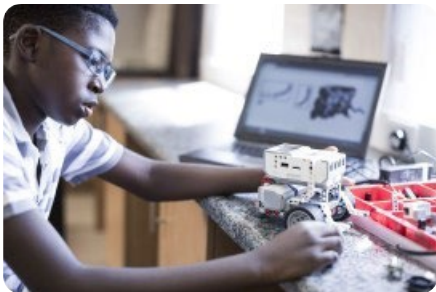
Difficulty
●●○○○○

Electric Circuit

Learn the complete basics of electronics as you get to build your very own little project. No coding, just pure electrical hardware!

ELECTRONICS – BUILDING – LOGIC

Difficulty
●●●●●

LEGO EV3 Mindstorms

Unleash the power of LEGO! As a team, students will be able to build a custom EV3 robot to navigate a nuclear warzone, full of radiation. Better be quick, people are counting on you!

ROBOTICS – CODING - LOGIC

Difficulty
●○○○○○

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Music Composition

Students will get the opportunity to compose their very own piece of music using Muse Score, a digital composition platform.

CREATIVE – MUSIC - TECHNOLOGY

Difficulty
●●○○○

Pasta Tower

Interested in designing architecture? In this workshop, students will be required to design a tower out of pasta, with the goal of being the most stable

ENGINEERING – CREATIVE – PASTA

Difficulty
●●○○○

Sam Labs

Interested in coding and making? Use Sam Labs to build your own contraptions using simple logic code.

CODING – LOGIC – MAKING

Difficulty
●○○○○

Solar Challenge

Renewable energy is the way to the future and so is this workshop. Come build your very own solar-powered contraption!

ENERGY – ELECTRONICS – MAKING

Difficulty
●●○○○

Australian Water Colours Leaves

Students will get to make their own painting using the water colours. Using a variety of techniques, they will create an illustration of Australian leaves.
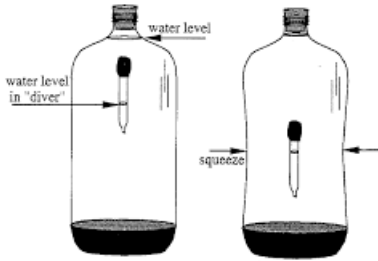
ART – CREATIVITY – NATURE

Difficulty
●●●○○

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Dancing Mag-O-Devil

Step back in time to the 17th century and make your own Dancing Mag-O-Devil in a bottle with our fun and educational workshop!

ENGINEERING – SCIENCE – MATHS

Difficulty
●●●●○

Workshops – Grades 7 and Above

Drones

Want to take your drone skills to the next level? Use your drone abilities to navigate to the standard people!

CODING – LOGIC – ROBOTICS

Difficulty
●●●●○

Jewellery Making

Use the Jewellery making kits to customize, design and make your very own jewellery that you can keep for yourself or give a friend or family member.

ART – CRAFT - CREATIVE

Difficulty
●●●●○

Little Bits

Similar to Sam Labs but slightly more challenging. Use code and your building skills to make your own awesome creation!
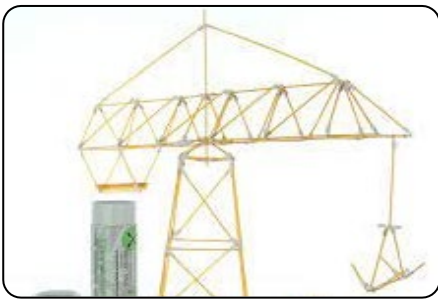
CODING – MAKING – LOGIC

Difficulty
●●○○○

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PASTA CRANE

Pasta tower building to the max! Use your engineering skills to build the best crane for the job!

ENGINEERING – PASTA - CREATIVE
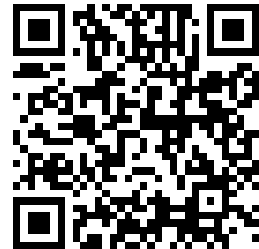
Difficulty
●●●○○

RC Drift Cars

Love to race? Enjoy 70 minutes of drift cars. Understand the basics of how to drift cars work and get to take the cars out for a spin. Literally!

CARS – DRIFT – ELECTONICS

Difficulty
●●●○○

REGISTER NOW

OR
CONTACT US ABOUT OUR OTHER PRGORAMS

LAUNCH+

LAUNCH PAD

COMMUNITY CLUBS

Have a question?
launch@thegapshs.eq.edu.au

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