



2026 Stem Odyssey

Introducing Our

WORKSHOPS

More Info



Date and Time:

**Sunday, July 19, 2026,
at 11am - 4:30pm**

Location:

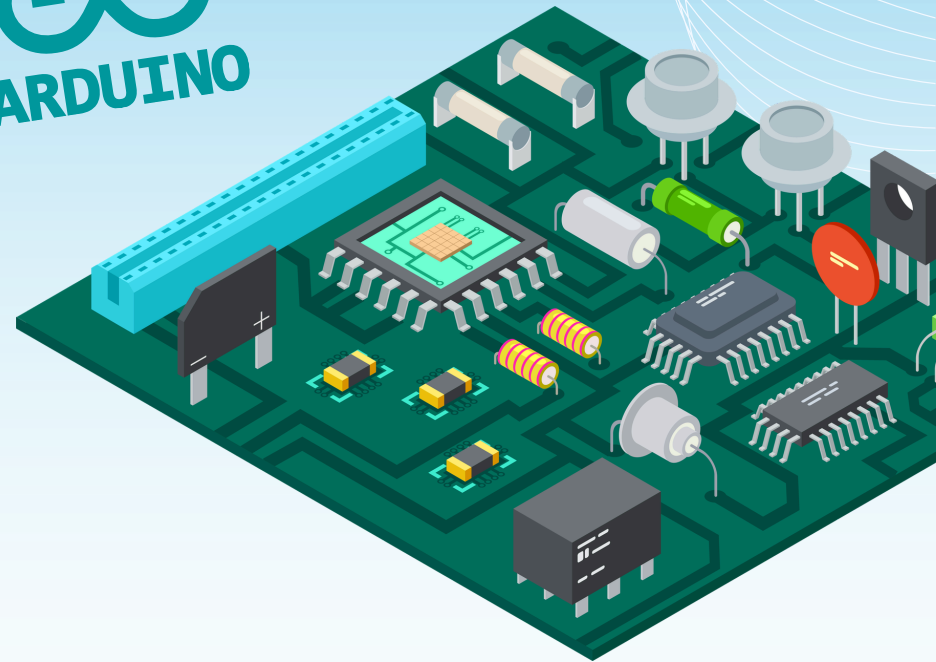
**Robert H. Lee Alumni Centre,
UBC Campus, Vancouver**



2026 Stem Odyssey

ARDUINO ADVENTURES

BASICS OF ARDUINO Workshop



This workshop is an introduction to Arduino microcontrollers! Students will learn hands-on about how to wire a circuit with buttons, LEDs, and Arduinos.

They will also learn about Arduino programming using C++, and create a program that can control the physical circuit. The workshop will explore the many uses of microcontrollers and how students can create their own projects with Arduino.

Please ensure you can bring a laptop with a USB-A port.

More Info



Instructor:
Andy Fan
Alec Qin

Recommend Grades:

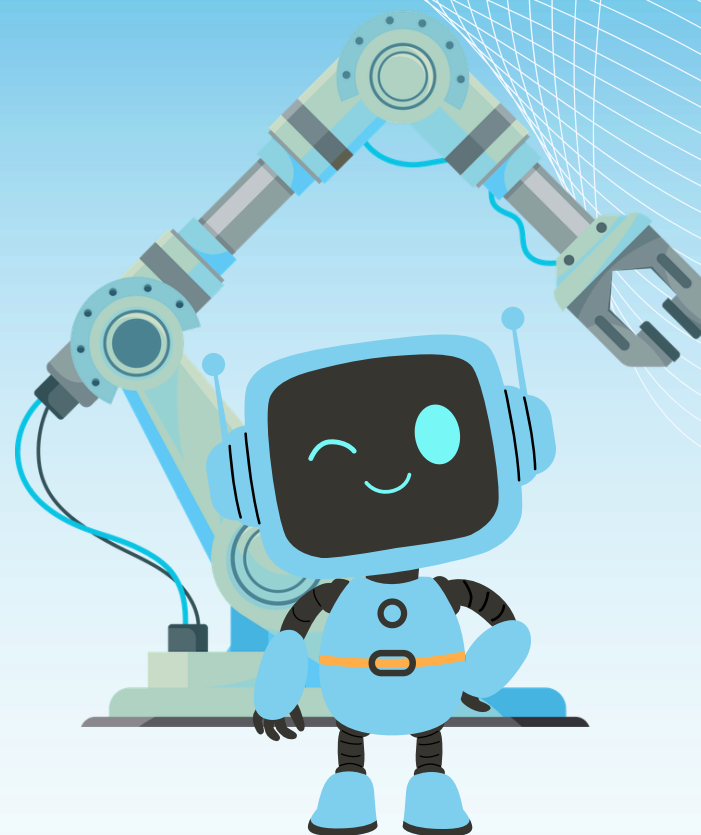
All grades



2026 Stem Odyssey

ROBOTICS & AI EXPLORATION

Workshop



Join us for a fun hands-on robotics workshop using the LanderPi AI robot! Students will explore how robots move, detect obstacles, recognize colors, and interact with the environment using cameras and sensors. Participants will learn beginner coding and robotics concepts through interactive demonstrations and activities. This workshop is designed to inspire curiosity in STEM, engineering, and artificial intelligence while allowing students to directly interact with real robotic systems.

More Info 

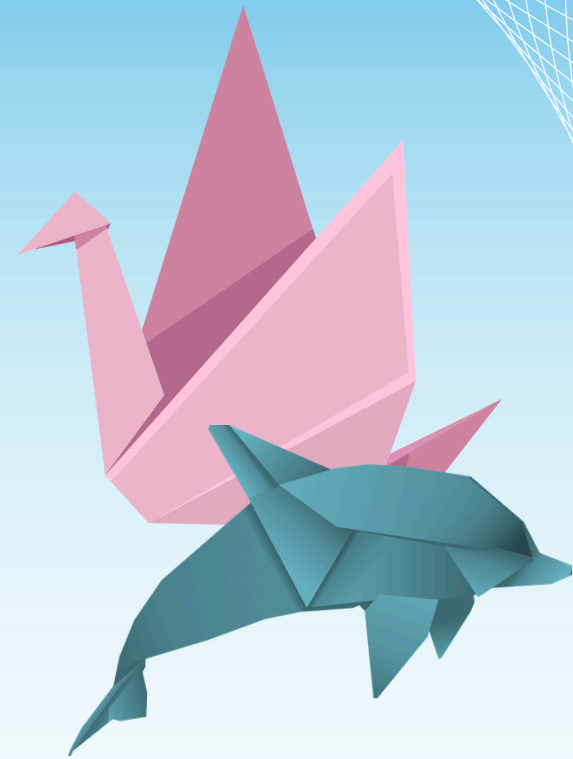
Instructor:
Alex Li
Alan Li

Recommend Grades:
Grades 3+



2026 Stem Odyssey

3D ORIGAMI & COLLECTIVE CREATIVITY Workshop



In this workshop, students will use sheets of paper to fold 3D triangular modules, combining them in infinitely variable ways to construct unique objects and sculptures. This activity goes far beyond simply learning the traditional art of origami; it serves as a collaborative incubator where students inspire each other's creativity. The final pieces produced can range from recognizable animal figures to striking abstract structures.

More Info 

Instructor:
Ally (Yan Li)

Recommend Grades:
Grades 3+



2026 Stem Odyssey

Introducing Our STATIONS

More Info



Date and Time:

Saturday, June 28
11 am - 5 pm

Location:

Robert H. Lee Alumni Centre,
UBC Campus, Vancouver



2026 Stem Odyssey

DC CODING ASSOCIATION

Station



DC Coding Association

Overview of DC Coding Association programs and events.

<https://dccoding.ca/>

More Info 

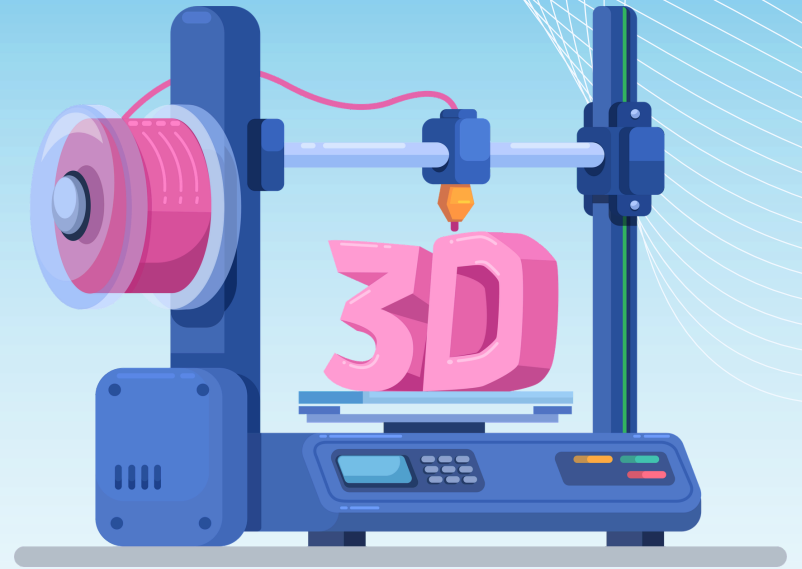
Instructor:
**DC Coding
Association**

Recommend Grades:
All grades



2026 Stem Odyssey

3D PRINTING & CAD DESIGN Station



Join our workshop and discover the world of 3D Printing! In this workshop, students will get to learn the basics of designing and creating 3D objects, and will get to create and keep their own models.

By the end of the workshop, students will have made their own models and gained a basic understanding on how 3D printing works. They will also learn how it is used in real-world fields like engineering.

No prior experience is needed. It is a beginner-friendly station and is a great opportunity to create, explore, gain practical skills about 3D Printing.

More Info 

Instructor:
Joshua Li

Recommend Grades:
All grades



2026 Stem Odyssey

UBC SAILBOT Station



We are a student-led engineering design team with over 80 undergraduate students developing a 3-meter, fully autonomous, self-sustaining solar-powered sailboat capable of collecting oceanic and atmospheric data in the Pacific Ocean. This project, POLARIS, integrates the fields of naval architecture and marine engineering with innovative robotics technology. Currently, we are deep in the testing and validation phase of all of our systems as we prepare for an extended launch into the Pacific this August out of Bamfield Marine Sciences Centre.

More Info 

Instructor:
UBC Sailbot

Recommend Grades:
All grades



2026 Stem Odyssey

UBC AERODESIGN Station



UBC AeroDesign is a student engineering team that designs, builds, and flies radio-controlled fixed-wing aircraft for the SAE Aero Design Collegiate Series.

Each year, they undertake hands-on design, analysis, manufacturing, and flight testing to build aircraft for two competition categories: one in physical performance optimization, and the other integrating custom avionics in a sophisticated autonomous flight system.

More Info 

Instructor:
UBC AeroDesign

Recommend Grades:
All grades



2026 Stem Odyssey

BMO

Station



BMO 40th & Cambie Team

More Info 

Instructor:
BMO

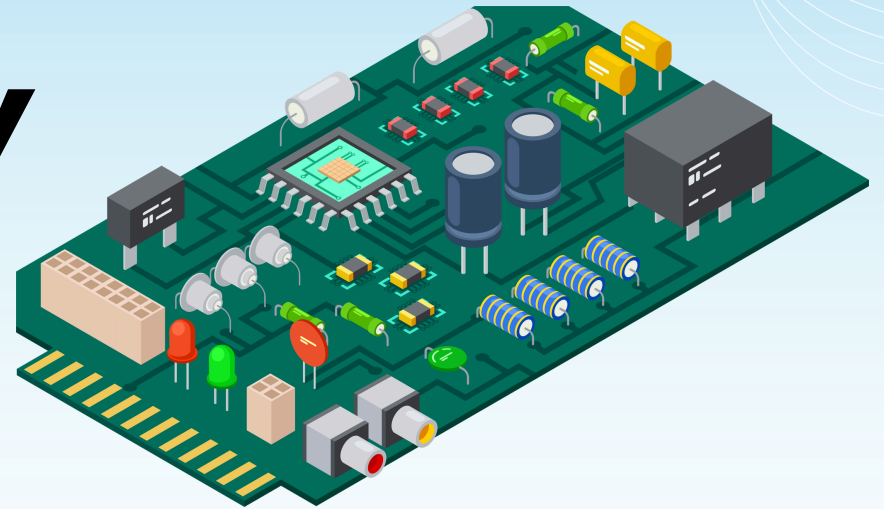
Recommend Grades:
All grades



2026 Stem Odyssey



EIM TECHNOLOGY Station



EIM Technology will provide an interactive hands-on STEM station where students can explore electronics, engineering, and prototyping through engaging activities.

Participants will have opportunities to experiment with simple breadboard circuits, explore microcontroller-based projects, and interact with 3D-printed mechanical models. Their goal is to inspire curiosity and help students experience how ideas can be transformed into real engineering projects.

More Info 

Instructor:
Eim Technology

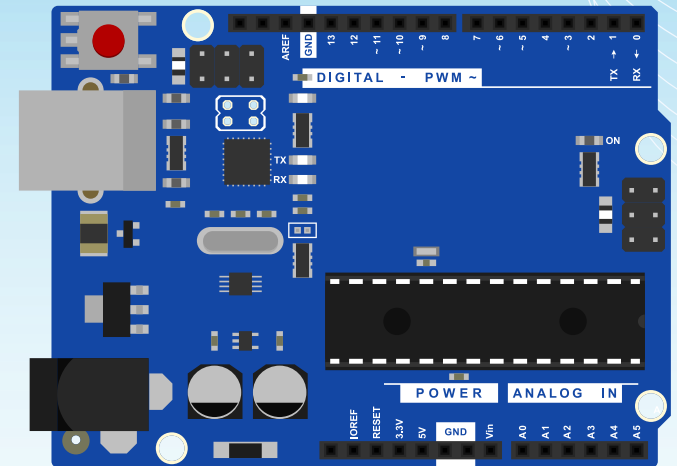
Recommend Grades:
All grades



2026 Stem Odyssey

EDUCATIONAL STATION

Station



An interactive Arduino station where participants explore basic programming and electronics by writing or modifying code to control an LED. Participants will make the LED blink, adjust its blinking speed, and use a button to turn it on and off while learning how hardware and software work together.

More Info 

Instructor:
Anna

Recommend Grades:
All grades



2026 Stem Odyssey

GOEASY WATER BIKE Station



GOEASY
WATER BIKES

GoEasy on the Water experience downtown views from the water
Pedal your way through False Creek on a stable, easy-to-ride water bike.

No lessons, no stress; just city views, ocean air, and a low-key adventure that works
for any age and any pace.

More Info 

Instructor:
GoEasy
Water Bikes

Recommend Grades:
All grades



2026 Stem Odyssey

LIL DRAGONS VANCOUVER Station



Visit the Lil Dragons Vancouver booth to discover the exciting sport of dragon boat racing!

Meet our coaches and athletes, watch live paddling demonstrations, try the dragon boat ergometer, practice paddling techniques, explore authentic equipment, view race highlights, and learn how to get involved. Fun giveaways and photo opportunities will also be available throughout the day.

More Info 

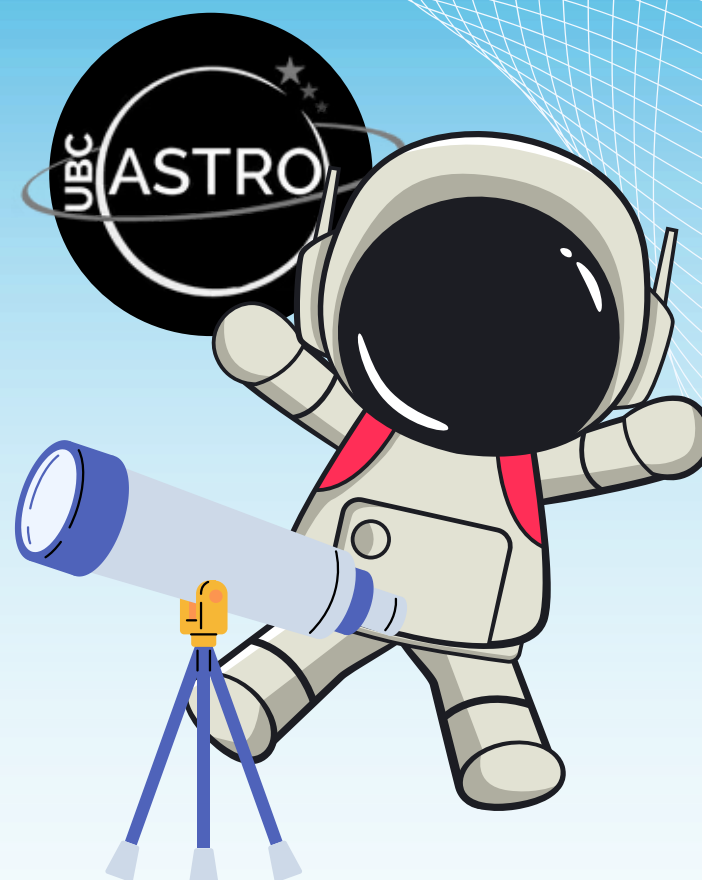
Instructor:
**Lil Dragons
Vancouver**

Recommend Grades:
All grades



2026 Stem Odyssey

UBC ASTRONOMY Station



Explore the Universe with the UBC Astronomy Club!

Learn about galaxies, planets, and the mysteries beyond Earth through fun space-themed activities, exciting demonstrations, and a chance to get hands-on with our telescope!

More Info 

Instructor:
UBC Astronomy

Recommend Grades:
All grades



2026 Stem Odyssey

Introducing Our

COMPETITIONS

More Info 

Date and Time:

**Sunday, July 19, 2026,
at 11am - 4:30pm**

Location:

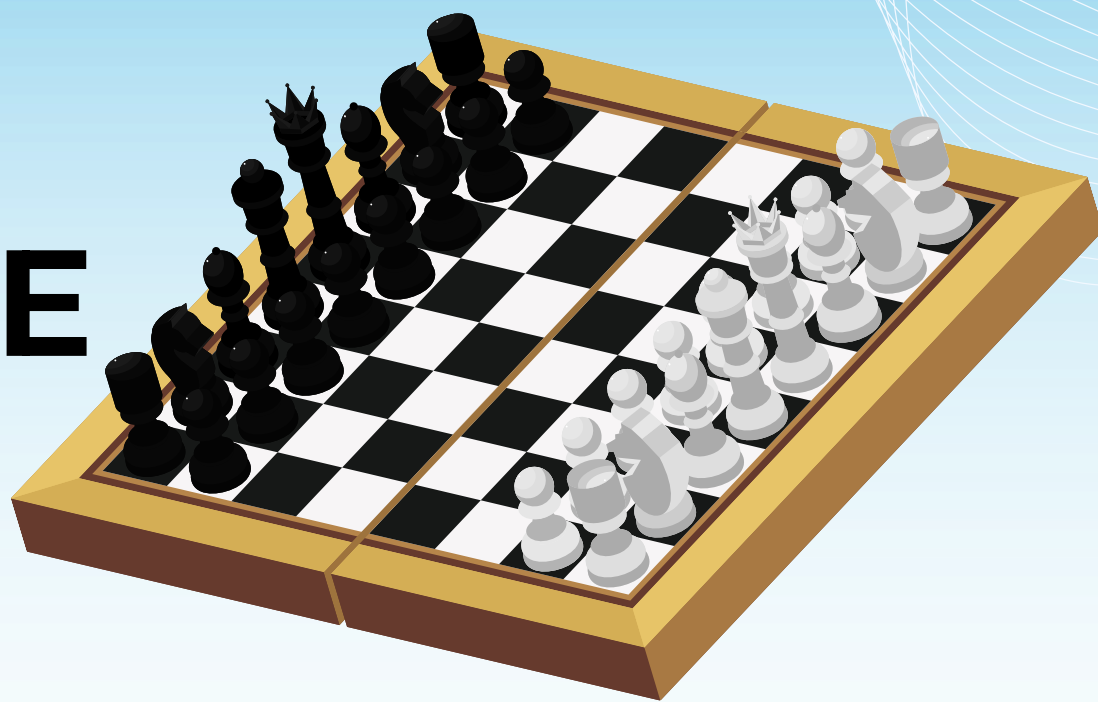
**Robert H. Lee Alumni Centre,
UBC Campus, Vancouver**



2026 Stem Odyssey

CHESS CHALLENGE

Competition



Friendly chess competition for all ages! The format will be such as a regular tournament, blitz games (3+2 second increment). This event is designed to foster interest in chess as well as expose participants to a game of strategy. Expectations are to be respectful and kind to other participants.

More Info



Instructor:
Aaron Li

Recommend Grades:
All grades



2026 Stem Odyssey

MATH

Competition



Ready to spark your child's inner problem solver? Welcome to our challenging, competition-style math contest designed for Grades 2-10. Mathematics is the backbone of STEM, and this event provides students with a powerful platform to sharpen the real-world critical-thinking skills they'll use for life.

Event Highlights

The Goal: To stretch minds, boost confidence, and prove that tackling complex puzzles is incredibly fun! We encourage the development of analytical skills, fresh confidence, and a passion for mathematical discovery.

More Info 

Instructors:
Calla Qin

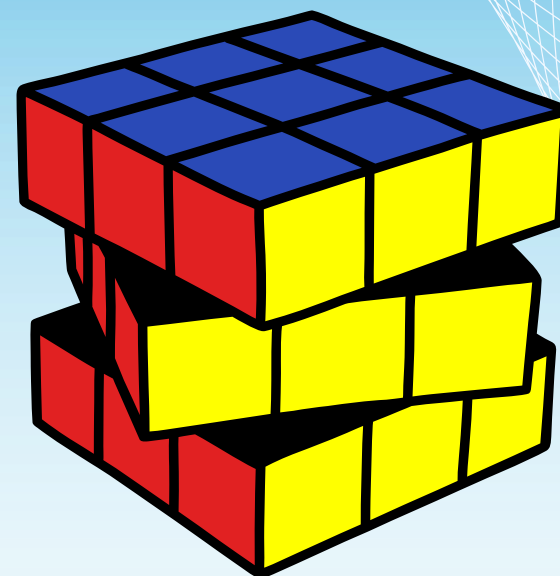
Recommend Grades:
**Grouped by Grades
2-4, 5-7, and 8-10.**



2026 Stem Odyssey

RUBIK'S CUBE

Competition



Whether you are a beginner or very good at rubiks cubes, our Rubiks cube station will help you extend your problem-solving skills as you learn the basics and more on how to solve a rubiks cube. I hope you enjoy your time here as you discover another way to be creative

More Info 

Instructors:
Oswald Ma

Recommend Grades:
All grades



2026 Stem Odyssey

Thank You

**GUESTS AND
SPONSORS**

More Info



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UBC Campus, Vancouver**



2026 Stem Odyssey

GUESTS & SPONSORS



Robert H. Lee
Alumni Centre



Supported by the
Province of British Columbia



Musical Performances by:
Patrick Li & Tatyana Kravsun's students