

SFU APPLIED SCIENCES OUTREACH & SCIENCE ALIVE FREE YOUTH PROGRAMS

STEM SPEAKER SERIES



STEM SPEAKER SERIES

The STEM Speaker Series provides high school students with the opportunity to meet and interact with university students, faculty members, and/or working professionals in STEM fields. See topics for February to June 2024 below. You can also check out past and future events [here](#).

From biomedical research to clinical diagnostics

May 25, 2024 | 1:00 pm - 2:00 pm | Online | Grade 8-12

Our guest speaker for May is Phung Ta. Phung is a medical laboratory technician at Kingston Health Sciences Centre, where she conducts a wide variety of clinical diagnostic tests on patient samples. She holds a bachelor's degree in Biochemistry from Trent University and a master's degree in Biomedical Engineering from Queen's University, both of which are funded by prestigious, full-ride scholarships. Join this talk to learn about Phung's journey from biomedical research to clinical diagnostics!

[REGISTER HERE](#)

Mechatronic Systems Engineering

June 8, 2024 | 1:00 pm - 2:00 pm | Grade 8-12

Our guest speaker for June is [Dr. John Shen](#). Dr. John Shen is a professor and the director of the [School of Mechatronic Systems Engineering](#) at Simon Fraser University. He has over 30 years of academic, industrial, and entrepreneurial experience in the field of power electronics, power semiconductor devices, renewable energy systems, fault protection of DC and AC microgrids, and transportation electrification. In this talk, Dr. Shen will provide an introduction to the dynamic field of mechatronic systems engineering and exciting career opportunities within the discipline. Join us to learn more!

[REGISTER HERE](#)

CODING CLUB

May-June 2024 | SFU Sustainable Energy Engineering Building | Grade 4-12

The Coding Club offers a diverse array of in-person workshops tailored for school-age students interested in delving into coding and exploring popular digital tools. From May to June 2024, we present an exciting lineup of workshops covering various topics such as user interface and experience design, programming logic foundations (using Python), web design, mobile app development, and game development. Please review the overview and requirements document for each workshop before registering. Join these workshops to refine your coding skills and unlock your creative potential in the dynamic world of coding and digital innovation!

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SFU APPLIED SCIENCES OUTREACH & SCIENCE ALIVE

PAID YOUTH SUMMER CAMPS



APP DEV SUMMER PROGRAM

July-Aug 2024 | SFU Sustainable Energy Engineering Building | Grade 4-9

The App Dev Summer Program features fun, engaging workshops on mobile app development using Thunkable, which is a drag-and-drop app builder. In this week-long program, Grade 4-9 coders will plan and prototype their app designs, learn basic coding concepts, code a mobile app, and present and demo their projects on the final day! This program has been running since 2020. We started running the program online from 2020-2021 amid the COVID-19 pandemic and transitioned to an in-person format in 2022-2023. This year marks the fifth year of the App Dev Summer Program!

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[APPLY FOR A BURSARY](#)

INVENT THE FUTURE AI SUMMER PROGRAM

Aug 2024 | SFU Sustainable Energy Engineering Building | Grade 7-9

Artificial intelligence (AI) has become an integral part of our daily lives, from digital voice assistants to self-driving cars, and more recently, in the form of advanced chatbots like ChatGPT. Invent the Future is a week-long summer program that aims to empower students with foundational AI and machine learning knowledge, facilitate meaningful discussions on the social implications of AI and address algorithmic bias, and engage students in hands-on coding activities. On the final day of the program, students will present their work to their peers, program instructors, and family members, and celebrate their accomplishments!

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[APPLY FOR A BURSARY](#)

[APPLY TO THE CIFAR INCLUSIVE AI SCHOLARSHIP PROGRAM FOR BLACK & INDIGENOUS YOUTH](#)

SCIENCE ALIVE SUMMER ACADEMY

Summer 2024 | Grade 1-8

Science ALIVE's Summer Academy is back! Calling all aspiring scientists, tinkerers, and creatives to join us to experience a variety of new and exciting summer camps. Are you interested in learning what it takes to develop a game or maybe you're curious about how pickling preserves our foods? This year, our new summer camp topics answer these questions and many more. Explore the world of STEAM with our fun and new activities while also revisiting fan favourites like slime. Simply bring your curiosity to discover the possibilities and thrills that are available in the various branches of science and technology.

[REGISTER HERE](#)



[SUBSCRIBE TO OUR OUTREACH COMMUNITY PROGRAMS NEWSLETTER](#)

Interested in hearing more about Science ALIVE programs throughout the year? Sign-up for our monthly newsletter which lists our current free and paid youth programs in a community near you as well as teacher professional development opportunities and resources.

[APPLY TO WORK AT SCIENCE ALIVE](#)

[APPLY TO VOLUNTEER AT SCIENCE ALIVE](#)

Interested in working or volunteering with Science ALIVE? Check out our application pages for more information.

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