

## Position: Instructor, Diversifying STEAM for Power Girls program

### Employment terms

- Duration: January 4th - July 22, 2025
- Hours of work consist of **all** the following:
  - Training (including some self-directed responsibilities):
    - January 4th, 2025 from 10:00 am - 3:00 pm
    - January 11th, 2025 from 10:00 am - 3:00 pm
    - March 8th, 2025 from 1:00 pm - 5:00 pm
    - June 14th, 2025 from 10:00 am - 3:00 pm
    - June 21st, 2025 from 10:00 am - 3:00 pm
  - Teaching:
    - Saturday Program (excluding weekends with statutory holidays)
      - Program Start and End time: 10:00 am - 12:00 pm
      - Staff Start and End time: 9:30 am - 12:30 pm
        - Cohort 3: January 18th - March 8th, 2025
        - Cohort 4: April 5th - May 31st, 2025
    - Camp Program (Monday - Friday for 2 weeks)
      - Program Start and End time: 9:00 am - 2:30 pm
      - Staff Start and End time: 8:30 am - 3:00 pm
        - March Break Camp: March 17th - 28th, 2025
        - Summer Camp: June 30th - July 11th, 2025
- Salary: \$18/hr - \$22/hr + 4% in lieu of vacation time
- Part-time/Full-time: 5 hours/week for Saturday session and 35 hours/week for camp sessions
- Reports to: Coordinator, Outreach Programs
- Work Location: SFU Surrey Engineering Building (SRYE) (10285 University Dr, Surrey, BC V3T 0N1)
- Potential to substitute at:
  - Forsyth Road Elementary School (10730 139 St, Surrey, BC V3T 4L9) - Mondays
  - K.B. Woodward Elementary School (13130 106 Ave, Surrey, BC V3T 2C3) - Fridays
  - James Ardiel Elementary School (13751 112 Ave, Surrey, BC V3R 2G4) - Fridays
- Vacancy: 2 positions & 1 substitute position

### About the Position

Diversifying STEAM, funded by NSERC PromoScience, is a program with a problem-based learning approach to STEAM (Science, Technology, Engineering, Art & Design, Mathematics) education. It aims to empower traditionally under-represented groups in science and engineering. Instructors will plan and deliver high-quality STEAM weekend workshops and seasonal break camps to female/non-binary participants by creating a safe and exciting learning space. Responsibilities include, but are not limited to:

- Preparing for lesson plans for the weekend workshops and the seasonal break camps using the program curriculum provided;
- Preparing a daily schedule of activities and necessary program materials for classes each day;
- Creating an engaging and inclusive learning environment for all students and maximizing their program experience;
- Facilitating curriculum and delivering programs with community partners at their program locations;
- Working collaboratively with co-instructors, community partners, and supervisors to deliver an effective program;

- Distributing program assessment tools and collecting data;
- Working and acting in accordance with the organization's code of conduct to accurately reflect the values of SFU;
- Ensuring all tasks are completed accurately in a timely manner by the deadline set by the supervisor.

### About the Curriculum

The program curriculum is designed to be interactive, inclusive and caters to various learning styles. The program will allow participants to explore STEAM concepts first-hand and develop an understanding of the interconnected nature of STEAM. The participants will use the Engineering Design Process (EDP) to create innovative solutions to everyday problems while developing effective communication skills and directly applying their learning. The first part of the program will include delivering weekly 2 hour sessions. The second part of the program includes delivering a 2 week seasonal camp (Monday to Friday from 8:30am - 3:00pm).

### What we are looking for

- Bachelor or current undergraduate students in science, engineering, education, or environment, or an equivalent combination of education, training and experience.
- Minimum 1 year of experience working with a large group of children and youth in an education or recreation setting.
- Strong classroom and behaviour management skills.
- Excellent facilitation skills.
- Possess current Standard First Aid and CPR-C certification or willing to obtain one before the start date.
- Successful candidates will be required to provide a Criminal Record Check prior to the start date.
- Excellent communication skills.
- Excellent team player.

### To apply

Please submit your application [here](#) by **November 8th, 2024**. Interviews will take place starting from November 4th and will be conducted on a rolling basis, therefore applying ASAP is suggested (because when the positions are filled, interviews will conclude).

### Background

SFU Applied Sciences Outreach (with Science ALIVE) respectfully acknowledges the xʷməθkʷəy̓əm (Musqueam), Skwxwú7mesh Úxwumixw (Squamish), səliłwətał (Tsleil-Waututh), q̓íćəy̓ (Katzie), kwikwəłəm (Kwkwetlem), Qayqayt, Kwantlen, Semiahmoo and Tsawwassen peoples on whose unceded traditional territories our three campuses reside.

SFU Faculty of Applied Sciences Outreach (with Science ALIVE) strives to engage youth in hands-on STEAM (Science, Technology, Engineering, Art & Design, Mathematics) programs to build measurable skills and improve self-confidence.

Aligned with the SFU Faculty of Applied Sciences' mandate, we aim to dispel stereotypes in the field of science and engineering and work towards achieving diversity and inclusion. We work to empower those traditionally under-represented groups in STEAM by developing barrier-free programs for girls, youth who experience barriers, and Indigenous communities.

SFU is an equity employer and strongly encourages applications from all qualified individuals including women, Indigenous

Peoples, visible minorities, people of all sexual orientations and gender identities, persons with disabilities, and others who may contribute to the further diversification of the university.

We are committed to ensuring that the application and interview process is accessible to all applicants. If you require any assistance or accommodations, please contact [fascoord@sfu.ca](mailto:fascoord@sfu.ca).