



Technical Instructors Needed for Roots 2 STEM

Title: Technology Instructor
Status: Several part-time positions available

Working with Roots 2 STEM means you will be part of one of the most unique STEM facilities in Canada. You will be working in our laboratory teaching young students about Science, Technology, Engineering and Math (STEM). You will thrive and provide excellence in teaching with hands-on projects.

Technical Instructor Job Description:

Instruct, supervise volunteers and actively participate in all aspects of technical courses, including:

- Plan course and provide course curriculum.
- Supervise young students during snacks/meals periods and drop off/ pick up periods.
- Organize and lead a variety of small and large group activities for each class.
- Take responsibility for the health, safety, well-being and happiness of young students, including medical needs.
- Create a positive rapport and guide students in participating successfully in all aspects of course activities.
- Assist in maintaining accurate program records including daily attendance; and
- Know, enforce, and model all safety guidelines and Code of Conduct associated with the campus and the lab.
- Prepare for and actively participate in pre-course training and meetings.
- Help write and implement a schedule for course group.
- Meet/communicate regularly with facility facilitator regarding concerns, updates and challenges.
- Prepare for course and participate in clean-up and set-up/organization at the end of each class.
- Communicate with parents about student's experiences.

Areas of Interest:

- CAD Design and Manufacturing (Software, CNC Machines)
- Electronics (Software, Circuit Design, Board Design, Soldering)
- Robotics (Electronics, Mechanical, Programming, Telecommunications)
- Programming/Raspberry Pi (Programming, Electronics)

Roots 2 STEM

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Required knowledge and skills:

- Post-secondary education with passion and curiosity about how things work, and willingness to learn.
- Fully understand area of expertise.
- High energy, self-starter.
- Desire to work with children and youth.
- Excellent people skills and friendly responsible service-oriented attitude.
- Strong communication and teamwork abilities
- Able to solve problems effectively.
- Fluency in English.
- Ability to stand for extended period times, mobility to bend, twist, lift arms above head and travel distances (between lab and outside open spaces), lift up to 25 lbs.

Other Required Qualifications:

- Criminal Record and Vulnerable Sector Verification checks
- At least 18 years of age
- Canadian citizen, permanent resident and legally entitled to work and study in Canada

Send your resume to careers@roots2stem.ca.