



Are you looking for an opportunity to join a team where your contribution makes a positive impact on the lives and learning of future leaders in Science, Technology, Engineering and Math? STEM Innovation Academy is looking for exceptional professionals to join our team.

### **About Us**

STEM Innovation Academy is a public charter school in Calgary that opened in September 2021. Our junior high school currently serves over 470 students in grades 7-9. In September 2022, our high school campus opened a NW location located in the University Innovation Quarter with 115 Grade 10's; we have since grown and project 700 students in 2024-25 with a full-grown capacity of 1000 students. With a mission to inspire the next generation to be knowledgeable creators, innovators, and responsible leaders, we believe every student can be successful in STEM and should have the opportunity to learn about cutting-edge science and technology topics.

### **Position Information**

#### **High School Computer Science (CTS) Teacher**

(Taught in our designated Computer Science space – The Boolean Lab)

### **Education and Experience**

- Valid Alberta Teaching Certificate
- Bachelor of Education Degree or equivalent recognized by Alberta Education

### **Demonstrated Skills and Competencies**

- Collaboratively work with CTS team members and learning leader to support Grade 10-12 student learning in our robust STEM options program.
- Ability to learn and develop as a professional – willingness to learn.
- High level of organization and efficient project management; flexibility and adaptability in managing multiple class projects.
- Student centered approach and a willingness to personalize learning to the needs of the student. Provide formative and summative assessment to students on identified learning outcomes throughout the term.
- Foster positive relationships with students to create an atmosphere of trust and encouragement in the classroom.
- Commit to ongoing curriculum enhancements and development.

STEM Innovation Academy has options that fall within three strands: Design and Engineering, Computational Thinking and New Media. Computer Science falls within our Computational Thinking strand, necessary knowledge and skills include:

- Computer science topics may include digital information, the internet, app design, variables, conditionals, functions, lists, loops, traversals, algorithms, parameters, return, libraries, data, cybersecurity, and global awareness.
- Artificial Intelligence and Machine Learning.
- Computational thinking concepts: abstraction, decomposition, pattern recognition, testing and debugging.
- Physical computing with Adafuit circuit playground, DJI Tello drones, Arduino and Raspberry Pi. (or willingness to learn).
- Competency in multiple programming languages.
- Design and implement a rigorous computer science curriculum that aligns with Alberta CTS standards.
- Integrate innovative teaching technologies and real-world applications into the Curriculum.

Please visit our [website](#) for more information about each of our Computer Science courses:

*Programming your Physical and Digital World 15, 25, 35*

### Application Package Requirements

- Cover Letter
- Resume/Curriculum Vitae
- Names and contact information of three references, two of which must be current or very recent supervisors.

### To Apply:

1. Create online portfolio with Apply to Education [HERE](#) .
2. Submit application for desired job in online portal.
3. Posting open until suitable candidates for Fall 2024 found.
4. Shortlisting and initial interviews scheduled for Spring 2024.

***While we appreciate all applications received, only people selected for an interview will be contacted.***