LiteraC academy

LiteraC provides coding and computer education programs for children, to prepare them for our technology-driven future.

Objectives

The future world is Online. Knowledge and literacy in tech is no longer optional; it is a "must-have"! LiteraC[1] aspires to provide the education and bridge the gap to prepare the upcoming generation for a future our current education systems do not prepare them for; or at least not everyone.

We commit to:

- Design and deliver curriculum to equip youth with skills such as: **critical thinking, problem-solving, sequence thinking, and math**
- Help schools integrate coding and computer literacy skills into their curriculum as advised by the BC School Board
- Serve in locations where coding literacy is lacking the most, including but not limited to remote and low-income communities

Our Story

On our journey as students and later teachers, we saw, and continue to see, a lack of fundamental computer literacy among students, in many regions, including here in Vancouver. Proficiency in computer programming, cyber security, and information technology are becoming essential in today's technology-driven age, and as more people seek to learn these skills, we identified an opportunity. What better time to start learning these skills than at a young age?
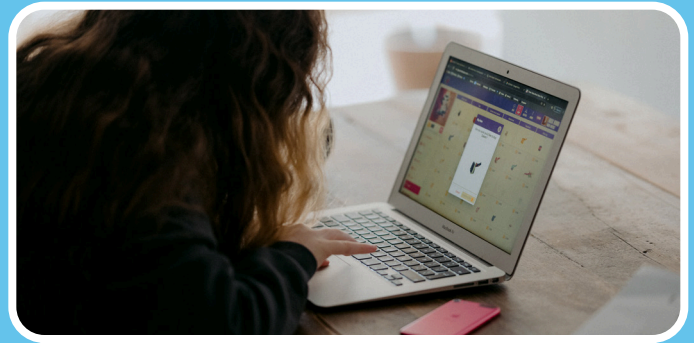
Omar is the co-founder, lead curriculum developer and educator at LiteraC. He has a Master of Applied Science in Transportation Engineering, is a self-taught tech-guru, and an entrepreneur. Omar has taught students of all ages in person and online.

Farah is the co-founder, program coordinator, and educator at LiteraC. In addition to her Master of Applied Science in Hydrotechnical Engineering, she has been teaching multiple subjects, including Arabic, for the past 7 years. Her goal is to ensure LiteraC classes are brought to the communities that need them.

You can't inspire a child to be imaginative with a boring curriculum.

For the past year, Omar has been working on developing creative lessons and activities for the LiteraC courses. To emphasize that anyone can code, our lessons integrate a spectrum of subjects including: story telling, engineering, and math. Along the way, our students learn how to use coding to hone their skills in arts, literature, physical science, all while having fun!

Accessibility & Sustainability

Our accessibility and equity plan is currently built on two pillars: location and price.

LiteraC plans to operate out of public schools, community centers, and public libraries, and online.

Our pricing follows a ladder scheme, with offers ranging from full-prices year-round classes to subsidized and free sessions.

LiteraC relies on revenue from students, grants, and donations to sustain its social mission and make it viable to offer classes in underserved communities for free.

Contact us if you wish to enrol a student, volunteer, and/or contribute financially to our project!

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Introductory Course

Kids play the role of storyteller and narrate their stories in the Scratch environment. The course is an entertaining introduction to programming as a tool. Core concepts taught include sequencing, loops, conditionals, and bugs. Students practice these skills by adding more animations and dialogue to stories to make them exciting.

Intermediate Course

Students create a game from scratch in the Scratch environment. They learn programming techniques as they develop a brick breaker game. Core programming concepts like conditionals and loops will be strengthened as students add features to their game.