

Innovation - Science, Technology, Engineering, Math (I-STEM)

I-STEM is a new program coming to Aldershot High School for students from Halton and beyond.

This session provides an overview of the new I-STEM regional program located at Aldershot High School.

Students in the 4-year I-STEM program will:

- engage in interdisciplinary, experiential, competency-based, and inquiry-based learning focused on innovation through collaboration to solve social, economic or environmental local and global issues,
- experience STEM learning opportunities with community and post secondary partners, and
- take 13 courses in their high school career, leading to a STEM Certificate.



Each year of the program is further highlighted in this session. A year by year overview is shared below:

Grade 9 - Students explore and develop innovation skills related to engineering design and design thinking, as they build their Engineer's Toolkit. These design processes will enable students to further develop mindsets that include creativity, critical thinking, strategy, and project management.

Grade 10 - Students explore and develop entrepreneurial thinking skills, as they build their Entrepreneur's Toolkit. Knowledge and many of the skills necessary to be an entrepreneur are developed through science, technology, engineering and math (STEM).

Grade 11/12 - Students explore, develop and implement solutions to social, economic, or environmental global issues culminating in a public exhibition of work.

Applications for 2019-2020 (grade 9 entry) are available at www.hdsb.ca (search "I-STEM"). Frequently Asked Questions are located at this webpage as well. Follow us on Twitter [@ISTEM_HDSB](https://twitter.com/ISTEM_HDSB).

An I-STEM Information Evening will be held at Aldershot High School on November 13, 2018 at 7:00 pm.



**We won't ask what you want to be... We will ask...
"What problem do you want to solve?"**

Are you ready for future trends in the workforce?

- Technological Change and Disruption
- Accelerating Globalization
- Shifting Demographics