



Science & Technology

Only
39%

of undergrads in math and physical sciences are women.

source: *Globe and Mail*

Girls are almost **3X** more likely to consider careers in science, math and engineering if they participate in science fairs and summer camps, particularly in the early grades, according to a new Canadian report.

A study by researchers at Mount Saint Vincent University in Halifax also suggests that **good grades** and teacher influence matter less than exposure to these outside-the-classroom activities.

Learn To Do By Doing
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Science and technology impact everyday lives in so many ways. This includes youth in both rural and urban communities. As agriculture evolves and farming practices become more sustainable, we have STEM (science, technology, engineering and math) to thank for these innovations.

4-H believes that learning about the fascinating world of science and technology will expand young people's understanding of agriculture and open up doors for them to pursue STEM-related opportunities. Through our science and technology programming, youth can dive into hands-on, inquiry-based projects and activities that spark curiosity by:

- Engaging in the science and technology world
- Exploring ideas and career opportunities related to STEM
- Explaining how systems work and how agriculture is benefiting from STEM innovations
- Expanding their minds through experiential, inquiry-based learning.

Less than **50%** of Canadian high school students are graduating with courses in Science, Technology, Engineering and Math (STEM).
source: *OECD*

75% of new jobs between 2009 and 2018 will be in high-skill occupations.
source: *HRSDC*