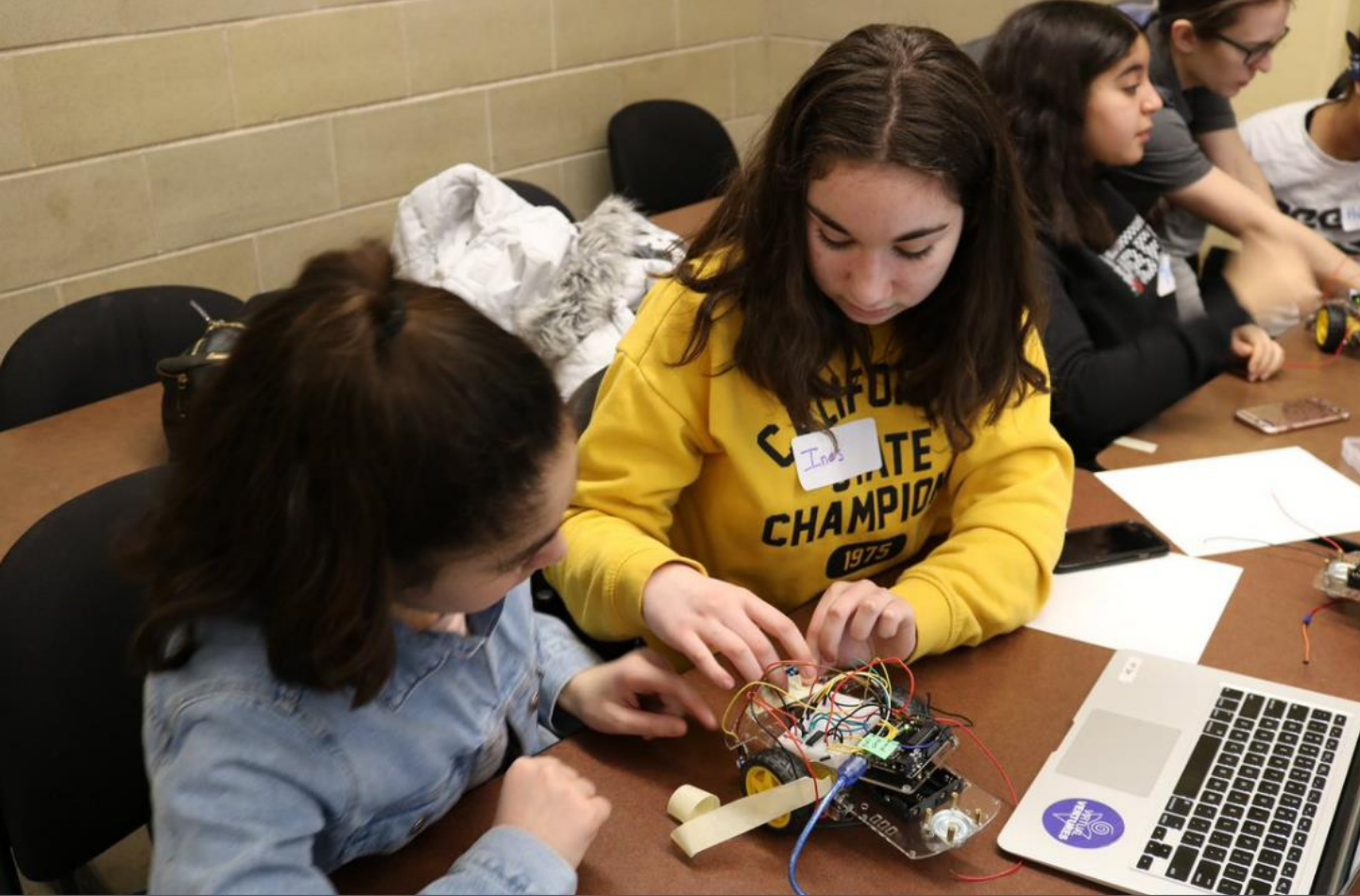




Ontario Network of Women in Engineering 2020





From in person to online, we inspired
thousands of girls!

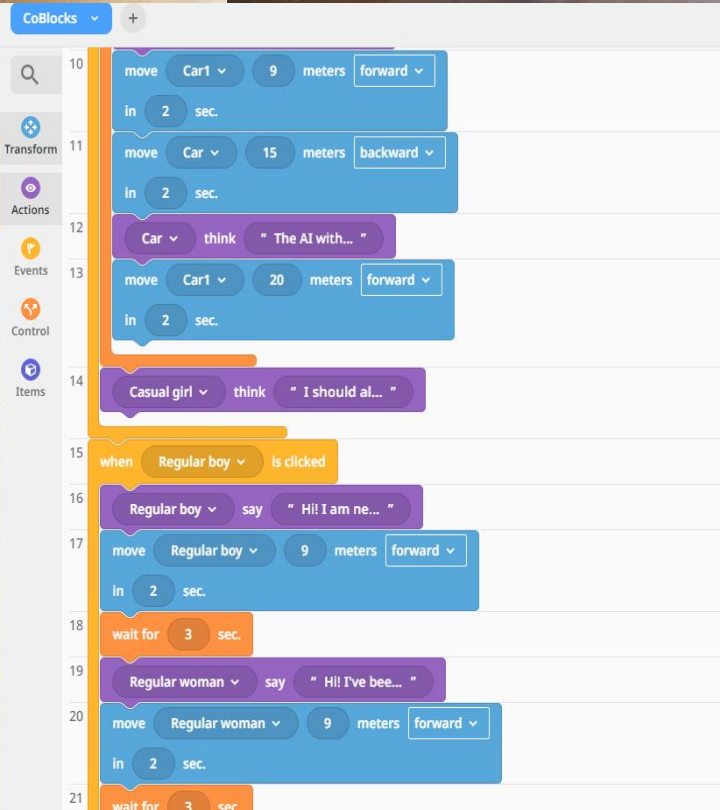
This has been an unprecedented year across the world, and like everyone, the Ontario Network of Women in Engineering (ONWiE) has had to re-examine how we do what we do. We knew we had to continue to offer high quality outreach programs that celebrate diverse approaches to engineering. We were so thrilled that, with the support of GM Canada, we could work with two fantastic summer students to develop virtual workshops. We are incredibly proud that we have reached nearly four times as many girls this year!

A handwritten signature in black ink, appearing to read 'Kim Jones'.

Kim Jones
Associate Professor, Chemical
Engineering, McMaster University
Chair, ONWiE

A handwritten signature in black ink, appearing to read 'Banafsheh Rafeh'.

Bani Rafeh
Coordinator, ONWiE



GENERAL MOTORS

CANADA

With generous support of GM Canada as an ONWiE Innovator Sponsor, two McMaster Engineering students were hired during summer 2020 to develop virtual workshops, exemplifying values that GM shares: sustainability, energy-efficiency and climate-positive design.

Three Go ENG Girl projects:

- Hydraulic Arm: learning about Mechatronic Engineering
- Sweet Earthquake Shake: learning about Civil Engineering
- Space Water Recovery System: learning about Mechanical Engineering

Two Go CODE Girl projects:

- Alexa Skills: learning about Coding
- Envisioning a Better World in VR: learning about Software Engineering

All workshop materials, Train the Trainer and Student presentations are available for ONWiE members and can be downloaded from the ONWiE website.



1700 girls across
Canada attended virtual
workshops at 20 ONWiE
member schools



Go ENG Girl/GENiales, les filles offers girls in grades 7-10 the opportunity to be exposed to engineering fields through a series of fun hands-on and interactive activities and exhibits. Meira Morphet and Joanne Lee (above) designed virtual workshops.



"I liked that it was run by women so the girls could see that women are competent, capable coders already working in the field and hopefully see coding as an option that is attainable and interesting."- Go CODE Girl Parent

Open to girls in grades 7-10, Go CODE Girl/Allez codez les filles programs are designed to expose girls to career possibilities available in the rapidly-growing fields of technology, computing and software engineering.

**1150 girls across
Canada attended in
person, pre-pandemic
at 17 ONWiE member
schools**

ENGAGING GIRL GUIDES



ENGINEERING



Venture Academy
(Grades K-12)





Virtual workshops during the
pandemic allowed us to reach an
unprecedented

15,826

girls across Canada from 7 ONWiE
member schools

Badge Day gives Girl Guides the opportunity to visit an accredited engineering university or college campus and participate in interactive activities to earn their engineering and science badges. In 2020, Venture Academy at McMaster Engineering reached over **15,000** Girl Guides across Canada and offered virtual workshops for Sparks, Brownies, Girl Guides, and Pathfinders.

Innovator Partner Spotlight



*We're passionate about:
Increasing the presence,
achievement and
participation for
underrepresented minorities in
STEM fields.*

GM Canada cares about:

- Advancing education in Science, Technology, Engineering and Mathematics subjects
- Increasing the number of students with employable labour skills for careers in STEM



Innovator Partner Spotlight

At TD, diversity and inclusion is a top priority.

TD Bank Group

Diverse perspectives allow us to be more innovative, flexible, and sustainable, which is why we're committed to recruiting, developing, and mentoring individuals with a range of experience, backgrounds, and abilities. They simply make us better.

While women already play a leading role in developing our industry-leading customer experiences, we know there's always more to do. Our work with ONWiE is helping us realize our vision of recruiting, developing, training, and mentoring more women in STEM to help us build the future of banking.



Behind the Scenes

ONWiE events are supported by a dedicated team of leaders at each campus location. Teams are comprised of engineering students, faculty, staff, and alumni who manage all aspects of the program. THANK YOU!

Provincial Partners



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ONWiE gratefully acknowledges the support of our sponsors.

EDO

Engineering Deans of Ontario

Many thanks
to our main supporter.



ENGINEERING

McMaster Engineering
is our generous host.

Innovators

GENERAL MOTORS
CANADA

GM Canada supported our Go ENG
Girl and Go CODE Girl.



TD made our
programs possible.

Motivators



See It Be It STEM It mailed out 2020 calendars and swag items
to ONWiE members for Go ENG Girl participants.

Follow us on Social Media!



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