

Virtual Go ENG Girl 2021

Hello Educators,

The Venture Academy team is reaching out to share a FREE VIRTUAL STEM learning opportunity for female-identifying students in Grades 7-10. On Saturday, October 23, 2021 at 10:00 a.m. EDT Venture Academy from McMaster University's Faculty of Engineering will be hosting a Virtual Go ENG Girl event. New this year - all registered participants will be mailed an Event Kit which includes all the required materials to complete the project. This Kit features a piece of technology that encourages further STEM exploration and lifelong learning!

Go ENG Girl is an exciting free virtual event hosted this year on Zoom for female identifying students in Grades 7 to 10. The Event is designed to ensure that no previous knowledge of coding is required, and the fundamentals will be taught to ensure that all levels of coders will be supported through the workshop.

Participants will get the chance to develop their coding skills with a fun hands-on project. This project will help expose participants to the fields of engineering and computer science. Students will explore how they can use technology to create solutions to everyday problems that are designed for all of society! Students will learn about smart systems, light absorption as well as the applications of clean energy. This project will connect to the UN Sustainable Development Goal #7, Affordable and Clean Energy, by highlighting solar panel use for energy generation. Students will then code in C++ to create a smart energy device which connects to their hardware.

Please note: Chromebooks are not supported for completion of this project, and it is recommended that all students use a laptop/computer rather than a tablet as USB connection is required.

Each student that will be attending must register on-line prior to the event as space is limited.

More information about the program visit our website:

<https://youthprograms.eng.mcmaster.ca/programs/list/virtual-go-eng-girl-0>

The on-line registration link: <https://www.eng.mcmaster.ca/forms/virtual-go-eng-girl-fall-2021>

However, in order for this day to be a success, we need your assistance. We ask that you provide the enclosed information to students in your school who you feel may benefit from and enjoy this experience. Please invite them to participate in what will surely be an interesting and educational event. We ask that students register independently, first come first serve. Space is limited so please register early.

If you have any questions please do not hesitate to reach out to venture@mcmaster.ca.

The Venture Academy Team

