

# Holland Bloorview *FIRST*<sup>®</sup> Robotics



## What is it all about?

A group program that will open new opportunities for kids to participate in a ground-breaking robotic experience. This program provides an opportunity to develop and refine decision-making and socialization skills, all while making friends. Participants will work hands on with robotic LEGO<sup>®</sup> in interactive building activities.



## Who is it for?

Young people with a disability who are aged 6-14 and are interested in science, technology, engineering and/or math (STEM). Participants must be interested and able to safely and successfully participate in a structured 2-hour large group program. Participants must have already identified a way of accessing a computer and/or their speech generating device. No experience required.

## Description of the program

	<i>Girls in STEM</i>	<i>Level 1</i>	<i>Level 2</i>
<b>Junior Program Ages 6-10 years</b>	The program is a safe space for young girls who have disabilities to explore and ignite enthusiasm in science, technology, engineering and math (STEM) and build confidence in their ability to achieve success in STEM-based subjects. All of our Robotics programs foster problem-solving and critical thinking skills.	This program is designed to engage and motivate children's interest in learning science- and engineering-related subjects. This is done through the use of motorized LEGO models and simple programming. WeDo 2.0 supports a hands-on, "minds on" learning solution that gives students the confidence to ask questions and the tools to find the answers and to solve real-life problems. Students learn by asking questions and solving problems.	This program focuses on the technologies that children face today. Every lesson children make a new robot with certain functionality. It starts with a problem that kids should solve using new knowledge, skills, teamwork and creativity. Embedded in this course are coding and more complex robots.
<b>Fall 2018</b>	<b>Tuesday</b> Oct 9,16,23,30, Nov 6,13	<b>Wednesday</b> Oct 10, 17, 24 Nov 7, 14, 21	
<b>Registration Opens: July 15th,2018</b>		<b>Application Deadline: August 17th, 2018</b>	
<b>Winter 2019</b>	<b>Tuesday</b> Jan 22,29 Feb 5,12,19,26	<b>Wednesday</b> Jan23,30, Feb6,13, 20,27	
<b>Registration Opens: October 15th,2018</b>		<b>Application Deadline: November 30th, 2018</b>	
<b>Spring 2019</b>	<b>Tuesdays</b> Apr 30, May 7,14,21,28 June 4	<b>Wednesdays</b> May 1,8,15,22,29, June 5	
<b>Registration Opens: February 18th,2019</b>		<b>Application Deadline: March 22nd,2019</b>	
<b>Time</b>	5:30 - 7:30 pm	5:30 - 7:30 pm	
<b>Cost</b>	<b>\$60 (\$10 per session)</b>	<b>\$60 (\$10 per session)</b>	

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	Level 1	Level 2
<b>Intermediate Program Ages 9-14 years</b>	This program is a challenging and enriching program that offers children extensive and comprehensive understanding of the mechanical, design, build and programming aspects with respect to the EV3 Mindstorms in real world challenges. The knowledge and understanding is geared to link directly to potential careers and feats of engineering. Our mission is to give each participant exposure to the field of engineering and show them the fun of problem solving and critical thinking using an engineering mindset.	Students in this program will learn how to build a high performing LEGO robot by understanding the concepts and criteria that need to be established. Students will also learn the underlying principles of what makes a LEGO structure strong. To apply these skills, weekly challenges will be presented to the students where they will have to program and build attachments for their robot to complete a task. This class tests the students problem solving abilities and their LEGO building proficiency.
<b>Fall 2018</b>	<b>Sunday</b> Oct 14, 21, 28 Nov 4, 18, 25	
<b>Registration Opens: July 15th, 2018</b>		<b>Application Deadline: August 17th, 2018</b>
<b>Winter 2019</b>	<b>Sunday</b> Jan 20, 27, Feb 3, 10, 24 Mar 3	
<b>Registration Opens: October 15th, 2018</b>		<b>Application Deadline: November 30th, 2018</b>
<b>Spring 2019</b>	<b>Sunday</b> May 5, 12, 26, June 2, 9, 16	
<b>Registration Opens: February 18th, 2019</b>		<b>Application Deadline: March 22nd, 2019</b>

## Registration information & Applications:

<http://hollandbloorview.ca/programsandservices/therapeuticrecreationandlifeskills/robotics>

Applications can be faxed to : (416) 425-9177

Applications can be emailed to: Lynn Rampertab at [lrampertab@hollandbloorview.ca](mailto:lrampertab@hollandbloorview.ca)

***Please note: 1:1 support is not provided. If a participant requires dedicated 1:1 support, the family will be asked to provide it. Please contact us if you are unsure whether your child needs additional support.***

***\*Spaces are limited\****