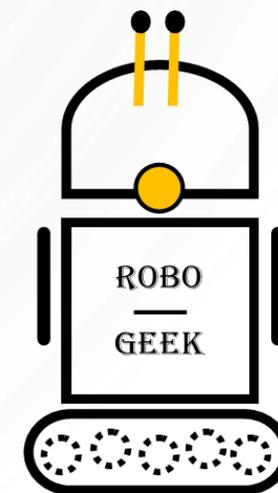


# ROBO-GEEK INC.

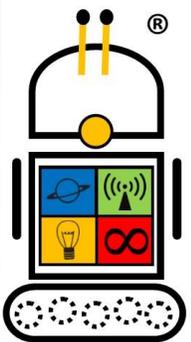
STEM MARCH BREAK CAMP 2020



# ROBO-GEEK INC.

- **Robo-Geek** is a technology company founded by engineers to promote **STEM**, with the aim to foster students' confidence and "**I Can do it**" attitude.
- Our staff consists of **passionate engineers** who have carefully designed all the courses to ensure the best learning experience for each student.
- Our courses are designed for students in grade 2 through 12 to introduce them to the fundamentals of **Coding, Electronics and Robotics**.
- Each course includes hands-on work with computers, electronic boards, robots and unique labs that encourage self-learning and experimentation.
- Our advanced courses submerge the students in exciting subjects of **Game Programming, Java, Android Studio, Arduino with C, C# with Visual Studio, ROS (Robotic Operating System) and Robotics**. Students are encouraged to experiment and **unleash their imagination**.

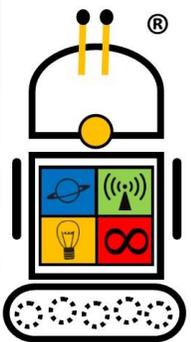
[www.robo-geek.ca](http://www.robo-geek.ca) | 1.800.414.4109



# ROBO-GEEK INC.

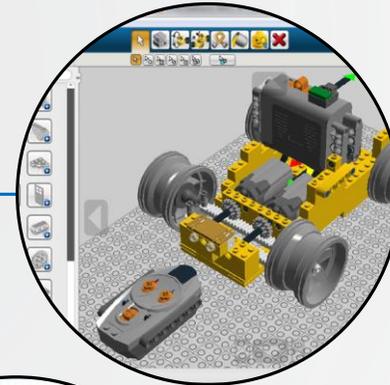
- **Hands-on Experience.** Our students learn by doing, Robo-Geek's sessions consists of fifteen minutes of lecture and 30 minutes of lab. Each Robo-Geek lab has been tested and designed to optimize topics comprehension.
- **Continuous Innovation.** Our courses are at the leading edge of technology. We pride ourselves in the development and continuous innovation of our unique labs.
- **Promotion of STEM.** Our labs and exercises focus on expanding the student's learning experience in science, technology, engineering and mathematics.
- **Swarm Robotics.** A new approach to the coordination of multi-robot systems, working together by selecting their communication patterns.

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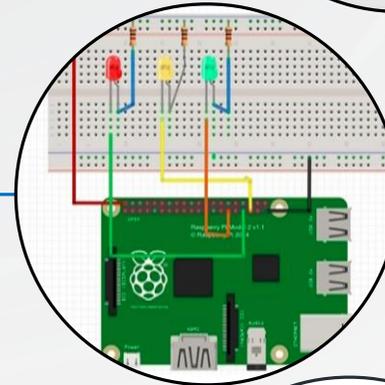


**ROBO-GEEK INC.**

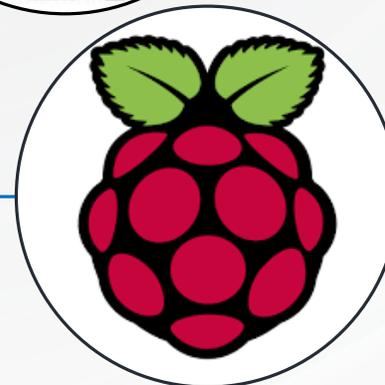
IMAGINE  
THINK  
CREATE



Robotics &  
AI



Electronics &  
Mechatronics



Coding  
& Apps



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# ROBO-GEEK STEM MARCH BREAK CAMP 2020

During the **Robotics** days, students will learn to assemble led circuits on breadboards using Arduino and C. **Coding** days will introduce them to Python, moreover, they will learn to code their own games with Pygame



**Day 1:**  
Coding  
Python



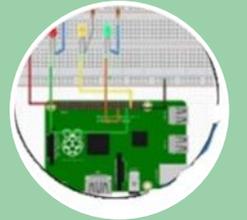
**Day 2:**  
Coding  
Pygame



**Day 3:**  
Pygame-  
Games



**Day 4:**  
Robotics  
Computer Vision



**Day 5:**  
Robotics  
C Arduino

CODING & ROBOTICS CAMP @ \$199



**555 Industrial Drive, Office 206  
Milton, ON**



**MEV (Milton Education Village)**

March 16-20 2020



9am - 4pm



Students 7 - 15 years old

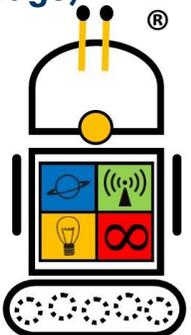


[info@robo-geek.ca](mailto:info@robo-geek.ca)



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**Day 1:**  
**Coding**  
Python



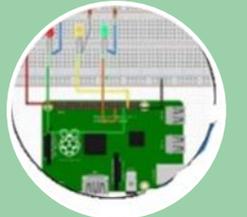
**Day 2:**  
**Coding**  
Pygame



**Day 3:**  
**Pygame-**  
**Games**



**Day 4:**  
**Robotics**  
Computer Vision



**Day 5:**  
**Robotics**  
C Arduino

← CODING & ROBOTICS CAMP @ \$199 →



 **12 Fisherman Drive, Unit 5  
Brampton, ON**

 **March 16-20 2020**

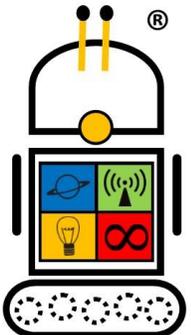
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 **[brampton@robo-geek.ca](mailto:brampton@robo-geek.ca)**

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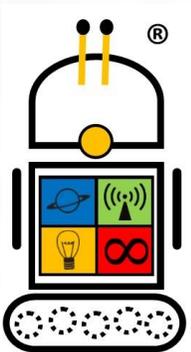


# CODING

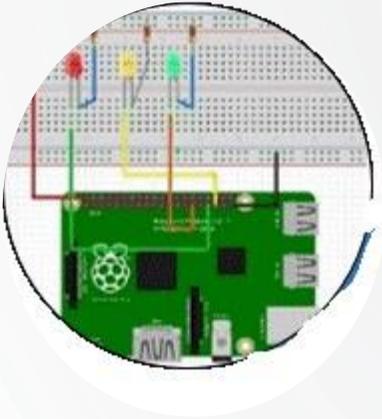


Students will learn Python; where they will be able to write code and with Pygame they students will create their own games. They will also learn Computer Vision with CV to learn about autonomous cars.

**Goal: Learn how to write code in Python**



# ROBOTICS-ELECTRONICS- ARDUINO



Students will learn **C** with **Arduino boards**; **C** is a high-level programming language that allows programmers concepts in fewer lines of code. Students will build circuits on their breadboards using Leds, resistors, switches and sensors. Moreover, they will write sketches ( code in C) to control the Leds.

**Goal: Learn how to build controls for robots using Arduino.**

