ENVISION ROBOTICS

2022/2023

School Partnerships
In-Class, Field Trips, and Lunchtime

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📞 647-502-6319

STEM Science, Technology Engineering, Math
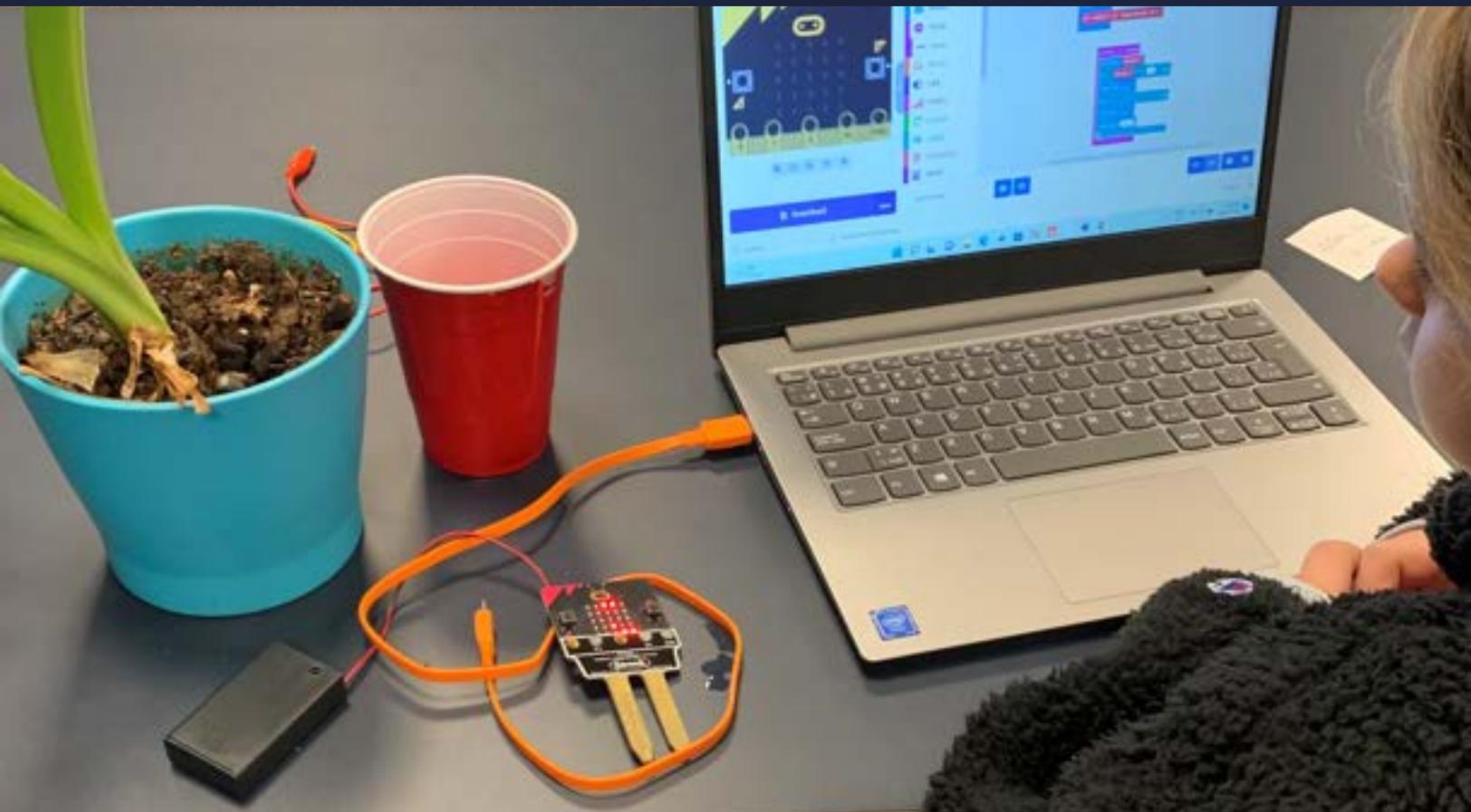
School Partnerships

Envision Robotics

Founded in 2018 - our mission is to "help kids develop 21st century skills to be better prepared for a future full of endless possibilities". Each year we serve thousands of students through programs at our STEM Studio and working closely with community partners such as schools (in-class, lunchtime), Scouts/Girl Guides, and other after-school/camps. We are an approved Special Interest Provider for YCDSB.

In-Class Programs

We have worked with public and private schools across the GTA to conduct single sessions as well as full schools over a few weeks. We have an extensive program list that includes coding, robotics, game design, 3D design/3D printing, electronics, and much more. Our programs are also available for school license.
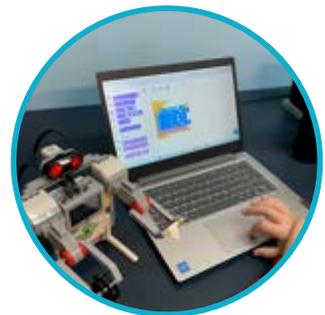
Field Trips to Our STEM Studio

Looking for a more immersive experience? Arrange a field trip to our technology rich STEM Center located near Bayview/HWY-7 in Markham. Our open-concept Center can accommodate class sizes to 35 and features dedicated areas including a Studio for recording and editing videos/podcasts, Design Lab for 3D printing/C02 laser engraving, Krafters Nook for digital cutters, Metaverse Zone for exploring Virtual Reality, and a Lounge for serious coding and game design. Bus parking and easy drop/pick-up.

Lunchtime Programs

Kids love our lunchtime programs. We have two programs available: Applied Robotics where kids build and code a different robot each class. And, our Applied STEM program where kids work on a different platform every 1-2 classes. This includes coding, video game design, 3D design, robotics, digital sculpting, microcontrollers and so much more!   Programs are available for Grade 1 to 8.

We are an approved Special Interest Provider with the YCDSB.

8220 Bayview Avenue, Unit #10, Markham, ON
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School Partnerships

Many Programs Options

LEGO Robotics

We have over 200 different robot designs with platforms that include LEGO WeDo 2.0 and Mindstorms EV3. Students build and code their robot using block-based programming to control motors and sensors. This is a practical way to learn the fundamentals of artificial intelligence.

Ultimate Ninja Robotics with Dash/Cue

We've gamified the learning experience with our Dash/Cue robots by creating customized 3D printed attachments and obstacles. Students complete various Ninja challenges using a combination of manual control and coding. It's fun, engaging, and a great way to lean coding and problem solving.

Coding

The introduction of coding into school curriculum is a major step forward in preparing kids for the future. We have many different coding programs that include Scratch, Makecode, Python, VEX, Mobile App Design, and Microbit.

Video Game Design

When students build games they become the writers, artists, designers, and developers of their own interactive stories. We use several platforms including Bloxels, Roblox Studio, and Flowlab.

Animation

We love animation because it allows students to communicate ideas and emotions through the use of characters, frames, backgrounds and more! We use several different platforms for animation depending on age and previous experience.

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Programs Continued ....

Microcontrollers
Microcontrollers are a small computer on a single integrated chip. We have many lessons that range from creating a soil moisture sensor, step-counter, to even a night light.

3D Design
Introduce kids to the wonderful world of 3D Design. In addition to it's linkage to art and creative design, 3D design is a great way to get kids building problem-solving, spatial, and critical thinking skills. 3D design is often coupled with 3D printing - ask us how.
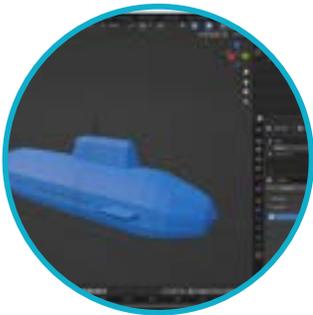

Advanced Digital Design
Blender is an industry leading design platform for creating animated films, visual effects, art, 3D-printed models, motion graphics, interactive 3D applications, and virtual reality.   Our program enables students to explore the power of Blender.

Electronic Music
Creating music is a creative process. Kids learn to plan and organize their ideas, explore their imagination, and create a symphony of sounds they can call their own. We use a variety of electronic music synthesizers .
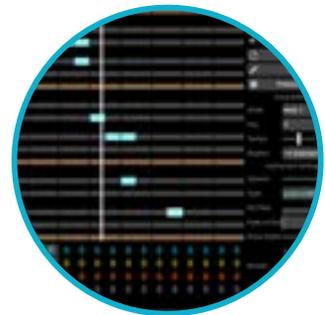
3D Printing
Very few technologies have transformed prototyping and product design as much as 3D printing. Introduce students to this exciting technology which has recently become affordable for schools. At our Studio we have twelve 3D printers including several that print in 2-colour and one that is large format. Our lessons are also available for license.

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School Partnerships

Programs Continued ....

Drones

Drones are another fun way to learn to code. Our codable drones are small enough to be used in a large classroom or preferably a gym. Students code their drones to complete a variety of challenges and maneuvers. Coding is block-based.

AR / VR

Augmented and Virtual Reality have the ability to change how we socialize, work, play and interact with the world. The power of these technologies is in their infancy. Students learn the basics of AR/VR in a fun and engaging way.

CO2 Laser

Our STEM Studio features a 40 watt laser cutter/engraver. Students learn the fundamentals of using a laser to create intricate designs on a variety of mediums.

Digital Cutter

Our Krafters Nook is equipped with 2 digital cutting machines that are capable of cutting and embossing various materials. Kids build graphic design skills and become junior makers!

RoboMaster EP Core

The RoboMaster is widely consideted to be the most advanced educational robot on the market. It features FPV, a robotic arm, AI capabilities, an open SDK, and is fully codable with block-based programming and Python.

Mission Driven

**Disruptive technologies are changing every facet of our lives at an accelerating pace.**

The path for lifelong success will be more demanding, less defined and even less linear.

Educators play a pivotal role in shaping our kids today for a bright future full of endless possibilities.

We launched our STEM Studio in early 2018 with the Mission to "help kids develop 21st century skills to be better prepared for a future full of endless possibilities". A future where there are no limits on what they can achieve.
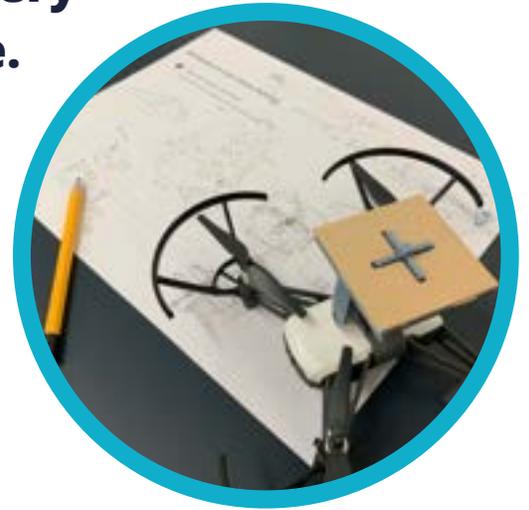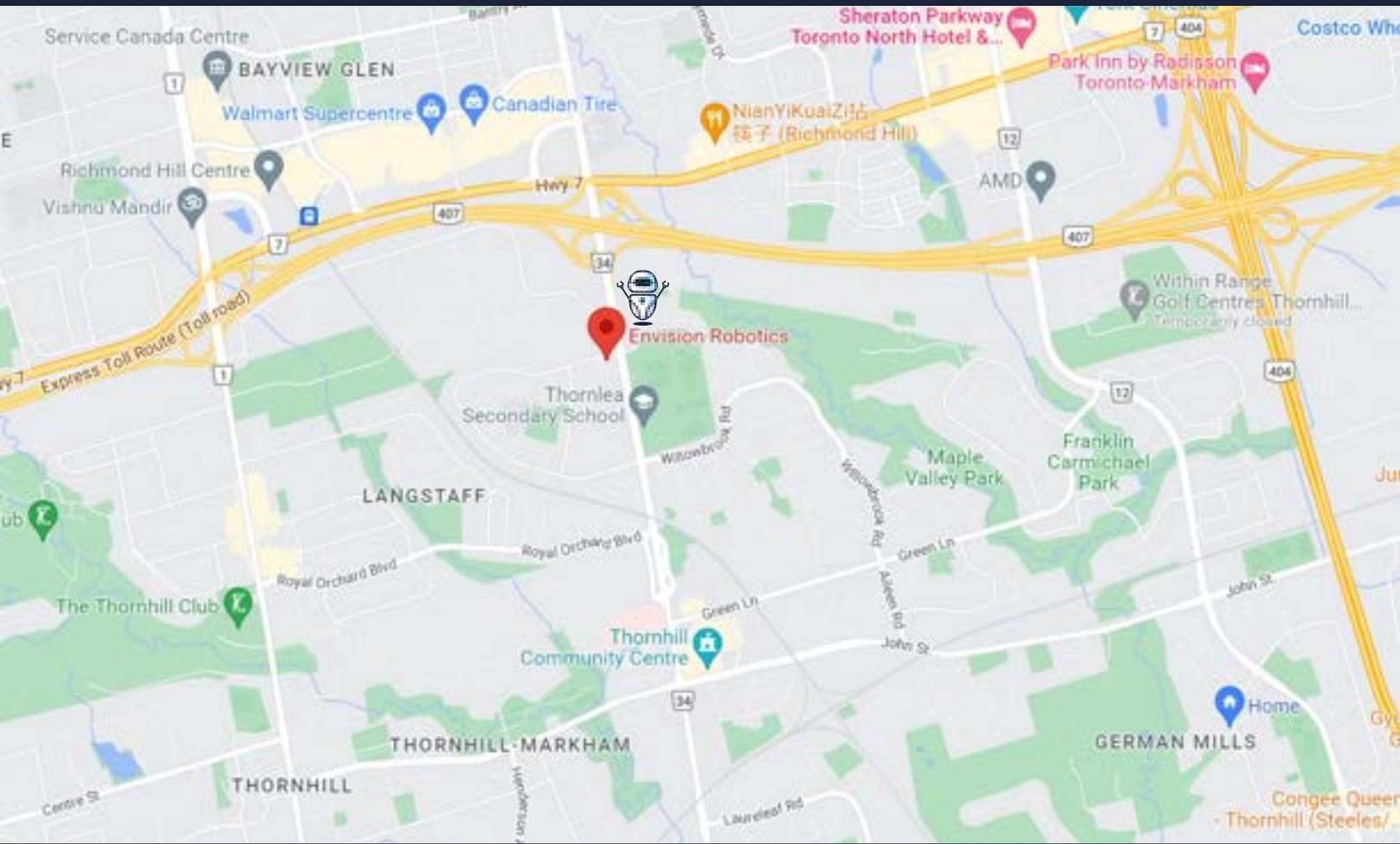
Since then, thousands of students have participated in our programs at our STEM Studio and through partners that include schools, not-for-profit youth organizations and businesses.
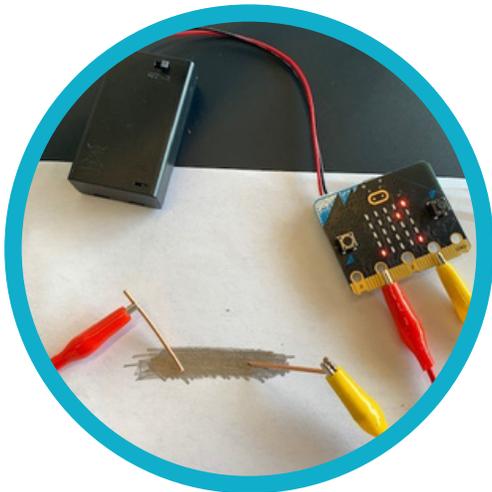
We're looking to partner with forward-driving educational institutions. Our programs can be licensed and delivered by us in-person across the GTA.

Contact us to find out more.

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Our STEM Studio

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Follow Us!

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