

ENVISION
ROBOTICS

**Summer
2023**

Program Guide

Ages 5 - 8 years

 info@envisionrobotics.com

 647-502-6319



Summer Camps 2023

Kids 5 - 8 Yrs



GENERAL INFORMATION

- Camp Hours:** 9:00 AM - 4:00 PM
- Location:** 8220 Bayview Avenue, Unit #10, Markham
- Cost:** \$450 + HST per week (4-Day camps are \$360 + HST)
10% Sibling Discount.

Before (8:00 - 9:00 am) and After-Care (4:00 - 5:00 pm) options are available at \$7/hr per child.

Optional Pizza lunch may be available on Fridays and details will be provided to registered parents.

DAILY SCHEDULE

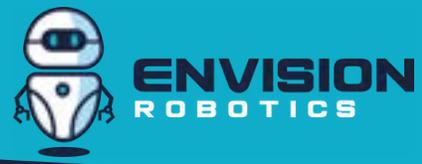
- 9:00 - 9:30 AM** Morning Stations, Drawing Activity, Previous Day Review, Goals and Plan for the Day
- 9:30 - 10:45 AM** STEM Activity Part #1
- 10:45 - 11:00 AM** MORNING BREAK
- 11:00 - 12:00 PM** STEM Activity Part #2
- 12:00 - 12:30 PM** LUNCH - Bayview Lane Park (large park behind plaza)
- 12:30 - 1:30 PM** PLAYGROUND / BASKETBALL COURT / SPLASH PAD
- 1:30 - 2:30 PM** STEM Activity Part #3
- 2:30 - 2:45 PM** AFTERNOON BREAK
- 2:45 - 3:45 PM** STEM Activity Part #4 OR GROUP ACTIVITY
- 3:45 - 4:00 PM** Windown / Wrap Up

Our camps all have themes and are multi-disciplinary. Robot designs are new every year as are other core activities. This ensures campers returning to our camps year-after-year get the best experience.

No prior experience is needed to attend our STEM camps and we welcome first time campers! We provide the necessary support and tools to be successful. Campers may join for 1 week or multiple weeks. Campers must be 5 yrs old at the time of camp.

Summer Camps 2023

Kids 5 - 8 Yrs



Camp FAQs

Pick-Up / Drop-Off

We welcome campers between 8:55 - 9:00 am with afternoon pick-up between 3:45 - 4:00 pm, unless extended care is optioned.

Snacks and Lunch

Campers should bring a morning and afternoon snack, lunch, and refillable water bottle. An optional pizza lunch may be available on Fridays and details will be provided to registered parents.

Will my child build the same robots as last year?

No. We've created NEW robot builds and STEM themed activities for the kids.

Do I need to register multiple weeks?

While we appreciate parents/campers that register for multiple weeks there is no requirement. Each week is a discrete program.

Do we go outside?

Our new location features a nearby park with many amenities including basketball courts, picnic tables, several play areas, and a large splash pad. We have soccer balls and basketballs for the students to use.

Each day we spend up to 90 minutes outdoors at the local park. Lunch is 30 minutes and students get 60 minutes outside playing at the park.

Sibling & Referral Discounts

Sibling discounts are 10% off the second/third at the time of registration. Referral credits (10% of the camp fee) are issued for a successful referral. No limit on the number of referrals. Organize a group of friends to attend and gain credits towards our programs.

DATES & THEMES

Each year we work hard to make our camps the best in the GTA! We do this by providing unique STEM programming that is conducted in a safe, fun, and engaging educational environment. Be sure to check out our parent reviews!

If you joined these camps last year, don't worry - we have all NEW robot designs and STEM activities this year



Ultimate Robotics Camps

Our Ultimate Robotics Camps feature many exciting robot builds throughout the week mixed with other STEM activities to keep kids engaged and learning.

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|------------------------|-----------------------------------|-------------------------------|--------------|
| BattleBot JR: | July 3 - 7, Aug 8 - 11
(4-day) | Dawn of the Dinosaurs: | July 17 - 21 |
| Off Road Rally: | July 31 - Aug 4 | | |



Digital Unleashed Camps

Our Digital Unleashed Camps are themed and offer a wide variety of STEM activities and programs to keep our younger campers engaged, having fun, and building friendships. Activities include 3D design, 3D printing, graphical design, animation, video game design, digital sculpting, claymation, button making, robotics and so much more.

- | | | | |
|-------------------------|---------------------------------------|----------------------|---------------------------|
| Hollywood North: | July 10 - 14, August 28 - September 1 | Game Creator: | July 24 - 28, Aug 21 - 25 |
| Soap Making: | Aug 14 - 18 | | |

BattleBot JR.

Ultimate Robotics

July 3 - 7
Aug 8 - 11 (4-day)

BattleBot JR.

BattleBot JR continues to be one of our most popular camps. Campers will build a variety of BattleBots and engage in some friendly competition in the ring!



Monday: Robotics

Meet Sumo, the arm-swinging BattleBot. This little robot packs quite a punch and the kids love adding different attachments to increase it's battle power.



Tuesday: Ultimate Ninja Challenge

Kids test their Ninja skills as they navigate their robots around an obstacle course using their Dash and Cue robots. Our obstacles are all created in-house using 3D Printing technologies.



Wednesday: Robotics

Steady-Edna. A powerful marching robot that is designed to knock over fierce competitors in her path.



Thursday: Button Making

Campers will use a variety of tools including graphic design, circle cutters, and a button maker to create their own battle logo and "medallion" that they will wear for the final battle. Victory Awaits!



Friday: Robotics

Friday is the "big match" where campers will build and code "Boxer" to challenge their fellow campers in the ring.

Dawn of the Dinosaurs

Ultimate Robotics

July 17 - 21

Dawn of the Dinosaurs

Join us on a journey as we're transported back to the dawn of time - a period when dinosaurs roamed and ruled Earth. Students select from our 7 dino robot designs



Monday: Robotics

Every child has a favorite dinosaur. Kids select one of our many dino-robots to build and code their dinos on our Dawn of the Dinosaurs challenge mats!



Tuesday: Scratch Coding Game Design

Run the Dino's are coming! Kids learn to code in Scratch and create a dino chase game.



Wednesday: Robotics

Every child has a favorite dinosaur. Kids select one of our many dino-robots to build and code their dinos on our Dawn of the Dinosaurs challenge mats!



Thursday: 3D Design & 3D Printing

Campers will learn to transform a 2-Dimensional black-and-white clipart image into a 3-Dimensional dinosaur that will be 3D printed. What a fun way to create your own dino toys!



Friday: Robotics

Every child has a favorite dinosaur. Kids select one of our many dino-robots to build and code their dinos on our Dawn of the Dinosaurs challenge mats!

Off Road Rally

Ultimate Robotics

July 31 - Aug 4

Off Road Rally

Welcome to Off Road Rally where campers will build a variety of off road robots and have fun testing the limits of their robots over a variety of obstacles.



Monday: Robotics

Suspension is a vital part of an off road racer and our stump jumper robot is a great way for campers to learn about suspension and test the limits of this fun robot.



Tuesday: Hat Personalization

Every rally racer needs a hat to keep their heads cool! Campers will use a graphic design program to create their own logo, a digital cutter to personalize their hat. Hat provided.



Wednesday: Robotics

Vroom Vroom! Kids love Monster Trucks! Campers will build our robot Beast and see how high this robot can climb!



Thursday: Augmented Reality / Virtual Reality

Campers will learn about Augmented and Virtual Reality and get immersed in some fun VR games and activities.



Friday: Robotics

Land Rovers have long been considered the leaders in off roading. Campers will love building this very capable robot version.

Hollywood North

Digital Unleashed

July 10 - 14, August
28 - September 12

Hollywood North

Hollywood North explores the world of digital design as campers engage in a wide-variety of learning experiences that range from 2D animation, stop-motion video, video game design, green screens and much more.



Monday: 2D Pixel Art Animation

The screens come alive as kids learn about the fundamentals of animation and create an animated pixel art scene.



Tuesday: Claymation

Story-telling takes center stage as kids plan out and craft a story and craft characters and objects for their Claymation stop-motion video. Once their storyline is complete, students create a film-set and film their stop-motion videos.



Wednesday: Robotics

We have over 130 robot designs to select from and students get to chose the robot they want to build.



Thursday: Green Screen Movie Making

Thursday begins with a brief lesson on the use of green screens in movie making and photography. Campers get creative by designing their Hollywood-themed backgrounds using design software and test their acting skills using green screen technology!



Friday: C02 Laser Engraving

Campers will use a variety of tools including graphic design and a C02 laser to create and engrave their very own logo.

Game Creator

Digital Unleashed

July 24 - 28
Aug 21 - 25

Game Creator

When students build video games they become the writers, artists, designers, and developers of their own interactive stories. If your child is creative and loves video games - this is the camp for them!



Monday: Digital Cutting & Bandana Making

If you're a serious gamer you know how important style is. Campers will personalize their bandana (supplied) using graphic design, digital cutting, and iron-on materials and tools



Tuesday: Bloxels

Campers start the week with Bloxels, an excellent educational platform for creating video games. Campers will work create a hero character, enemies, interactive objects, and game layout.



Wednesday: Scratch

Scratch has over 85 million users worldwide and is beginning to be used by Ontario elementary schools in the classroom. We love using Scratch as a platform to teach coding and what better way than to create a 2-player pong game!



Thursday: Roblox Studio

Another popular platform - Roblox! Over 150 million play Roblox every month. However, only a very small proportion know how to create games with Roblox. This camp will turn your child from a consumer of Roblox to developer using Roblox Studio, the game development platform.



Friday: Mashup

On Friday campers will get the opportunity to revisit each of the platforms covered and continue to build out their games, or start a new one.

Soap Making

Digital Unleashed

Aug 14 - 18

Soap Making

Campers will definitely want to take a bath after this camp! Campers will have the opportunity to create their own coloured and scented soaps which of course they take home to use.



Monday: Soap Making - Project #1

Campers will get hands on making soap using a combination of soap bases, colours, scents, and decorative embellishments.



Tuesday: Button Making

Campers will use a variety of tools including graphic design, circle cutters, and a button maker to create their own button designs!



Wednesday: Soap Making - Project #2

Campers will get hands on making soap using a combination of soap bases, colours, scents, and decorative embellishments.



Thursday: Roblox Studio

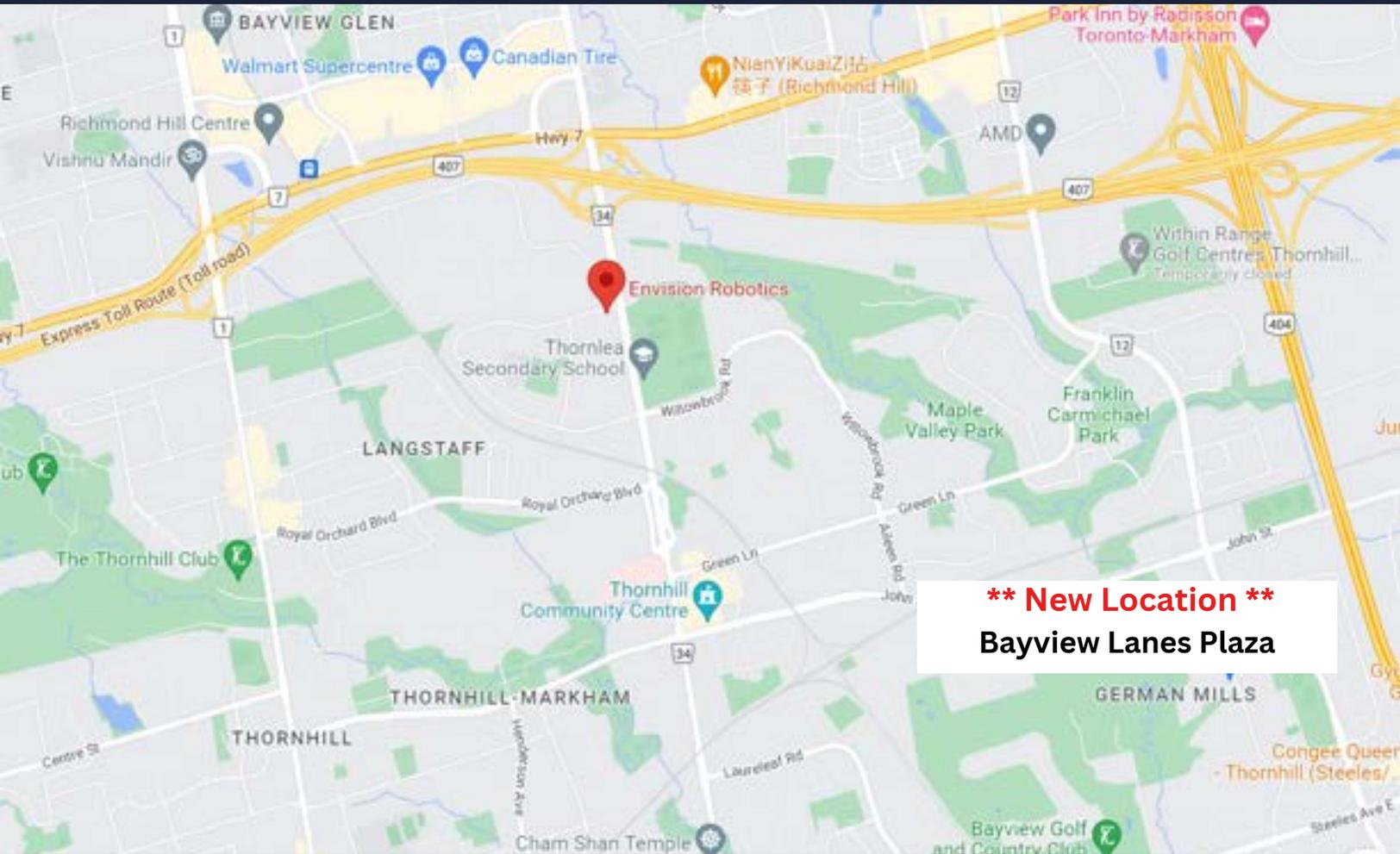
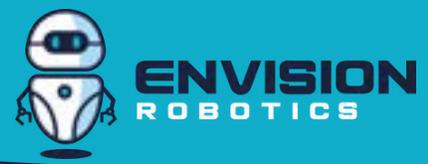
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Friday: Soap Making - Project #3

Campers will get hands on making soap using a combination of soap bases, colours, scents, and decorative embellishments.

Our Location



Our STEM Studio

8220 Bayview Avenue, Unit #10
(Bayview / HWY 7 area)
Markham, L3T 2S2
647-502-6319
info@envisionrobotics.com

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