



**ENVISION**  
ROBOTICS

**Summer  
2024**

# Program Guide

## Ages 5 - 8 years

✉ [info@envisionrobotics.com](mailto:info@envisionrobotics.com)

☎ 647-502-6319



# Summer Camps 2024

## Kids 5 - 8 Yrs



### GENERAL INFORMATION

- Camp Hours:** 9:00 AM - 4:00 PM
- Location:** 8220 Bayview Avenue, Unit #10, Markham
- Phone / Email:** 647 - 502 - 6319 / [info@envisionrobotics.com](mailto:info@envisionrobotics.com)
- Cost:** \$450 + HST per week (4-Day camps are \$360 + HST)
- Credits:** 10% Sibling Discount, 10% New Parent Referral

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

### 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 Period #1
- 10:45 - 11:00 AM** MORNING BREAK
- 11:00 - 12:00 PM** STEM Activity Period #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 Period #3
- 2:30 - 2:45 PM** AFTERNOON BREAK
- 2:45 - 3:45 PM** STEM Activity Period #4 OR GROUP ACTIVITY
- 3:45 - 4:00 PM** Windown / Wrap Up / Pick-up

Our camps all have themes and are multi-disciplinary. Robot designs are new every year as are most 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.

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And YES there is a Splash Pad!



### 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. Please ensure nut-free.

#### 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 and unique experience.

#### Do we go outside?

Our 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 Credits

Sibling discounts are 10% off the second/third at the time of registration. Please use the correct referral code listed on the website. When booking three or more campers please request the correct sibling credit codes.

#### Earn Referral Credits

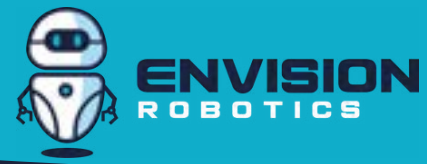
Take advantage of our very generous referral program. Parents that refer another parent that is new to us are rewarded with a 10% Referral Credit.

Referral Credits are calculated based on your friends first program/camp fee with us (i.e., \$450 camp fee = \$45 referral credit). No limit on the number of referrals. Organize a group of friends to attend and gain credits towards our programs.



# Summer Camps 2024

## Kids 5 - 8 Yrs



### 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. Each week features a different theme.

#### Reduced Camp Size

For 2024 we cut the available spots for the 5 - 8 year old group by 40% to make room for our expanded 9+ camps. We're planning for 10 spots per week for younger campers this year.

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

#### **Robotics Camps**

Our robotics camps are packed with fun where campers build and code a different robot 3 out of the 5 days. During the other 2 days campers get hands on with other activities that may include 3D printing, video game design, laser cutting, and more!

<b>BattleBots:</b>	June 24 - 28 July 2 - 5 (4-day) July 29 - Aug 2 Aug 26 - 30	<b>Exploration Mars:</b>	July 8 - 12
		<b>Bermuda Triangle:</b>	July 22 - 26

#### **Budding Genius Camps**

Our Budding Genius camps are designed to introduce students to new technologies and platforms with a nice mix of projects for them to take home. This year we've introduced many new options that use a laser. Robotics is an activity for 1 of the 5 days.

<b>Geppetto's Workshop:</b>	July 15 - 19	<b>Young Aeronautics:</b>	Aug 12 - 16
<b>Game Creator:</b>	Aug 6 - 9 (4-day)	<b>Lights, Camera, Action!:</b>	Aug 19 - 23

**Check the details for each camp to see what activities are included.**

# Summer Camps 2024

## Kids 5 - 8 Yrs



### BattleBot JR:

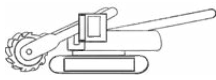
June 24 - 28, July 2 - 5 (4-day), July 29 - Aug 2, Aug 26 - 30



Our BattleBot Camps have always been immensely popular and one of the most requested. For 2024 we have redesigned the BattleBots used so if your child attended last year they will have new robots to build!

- Campers will build and code 3 different BattleBots during the week (M, W, Th) and of course "battle it out" on our BattleBot mats!
- On Tuesdays campers will get hands on with the laser and get to personalize and laser cut a catapult, which they get to keep
- Fridays are for working with Dash/Cue and and Button Making to create their battle logo!
- Campers will also have an opportunity to 3D design and 3D print during one of the afternoons.

### Features



Robotics & Coding



3D Printing



Laser Cutting



Graphic Design



Individual Competition

Lifter

Scorpion



New BattleBot Designs for 2024



BattleBot Mats



# Summer Camps 2024

## Kids 5 - 8 Yrs



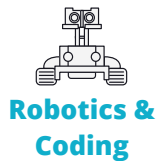
### 📅 Exploration Mars July 8 - 12



Does your child dream of visiting another planet? Perhaps Mars? Join us at this fun camp designed for the kids learning about space, time travel, and of course visiting Mars!

- Campers will build and code 3 different Mars-themed robots during the week (M, W, Th) and engage in fun play on our Mars Mats!
- On Tuesday campers will work the laser to engrave, cut and assemble a variety of fun Mars-themed wood figures
- On Friday, campers will laser cut a Martian-marionette which they keep, and, in the afternoon will
- Campers will also have an opportunity to 3D design and 3D print during one of the afternoons.

#### Features



#### Mars Mats (each 4' x 8')

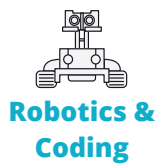


### **Bermuda Triangle: Underwater Rescue** **July 8 - 12**

The mystery of the Bermuda Triangle has captivated generations. Join fellow campers build a variety of sea-worthy robots as they race to save a downed plane.

- Campers will build and code 3 different sea-worth robots during the week (M, W, Th) and engage in fun play on our Bermuda Triangle mat!
- On Tuesday campers will work the laser to engrave, cut and assemble laser cut submarine, diver figure, and Shark marionette!
- On Friday, campers will code in Scratch to create a Shark capture game
- Campers will also have an opportunity to 3D design and 3D print during one of the afternoons.

#### Features



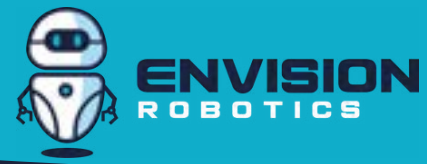
#### Burmuda Triangle Mats (each 4' x 8')





# Summer Camps 2024

## Kids 5 - 8 Yrs



### Geppetto's Workshop JR

July 15 - 19



Think what Geppetto could have made if he just had a laser! This camp features lots of laser cut projects that they take home!

- Campers will laser cut three different marionettes during the week including a Lego Mini-Figure, caterpillar, and a 3-D Dinosaur
- To add to the fun campers will make coloured and scented soap, and, laser cut a soap box to put it in!
- To add to the fun campers will make coloured and scented soap, and, laser cut a soap box to put it in!
- Campers will also get an opportunity to build and code a robot one of the days during the week

#### Features



Laser Cutting



Soap Making



Graphic Design



Robotics & Coding



3D Printing





# Summer Camps 2024

## Kids 5 - 8 Yrs



### Young Aeronautics

August 12 - 16

This camp is designed for campers that have a love for everything aeronautics and enjoy getting hands-on making projects!



- Over the course of several days campers will create a large glider
  - ➔ They will laser cut their glider that is 1.5' long with a 2' wingspan!
  - ➔ They will work with silicone to create a rubber nose
  - ➔ Once the silicone has set they will design and decorate their glider wings using a digital cutter, and assemble
  - ➔ Throughout the week campers will have several opportunities to go to the park and fly their gliders
- Campers will create a parachutist and test at the park
  - ➔ They will 3D design and 3D print a parachutist and attach to a parachute
  - ➔ Campers will head to the park and have some fun trying to land in the hula hoops
- Green screen comes out on Friday and campers get to perform with different scenes

#### Features



Laser Cutting



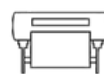
Glider



3D Printing



Silicone



Digital Cutter



Green Screen



Robotics & Coding



# Summer Camps 2024

## Kids 5 - 8 Yrs



### Game Creator

Aug 6 - 9 (4-day)

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



- Campers will design several video game through the week using platforms like Roblox Studio, Bloxels, Scratch and more!
- This week also features several laser cut games that campers will get to personalize and take home - Rock Paper Scissors and Tic Tax Toe!

### Features



Game Design



Laser Cutting



Graphic Design



3D Printing



# Summer Camps 2024

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### 📅 Lights, Camera, Action!:

**Aug 19 - 23**

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



- Story-telling takes center stage as campers plan out and craft a story, create character and objects from clay, and film a stop-motion video
- The screens come alive as campers learn about the fundamentals of animation and create an animated pixel art scene.
- Campers will build and code a robot from our many robot designs
- Campers will get to choose a puppet design, laser engrave, assemble, and participate in a puppet show
- Green screen comes out on Friday and campers get to perform with different movie scenes

### Features



**Claymation Stop Motion**



**Pixel Art Animation**



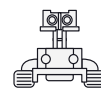
**Green Screen**



**Laser Cutting**



**Puppet Show**



**Robotics & Coding**

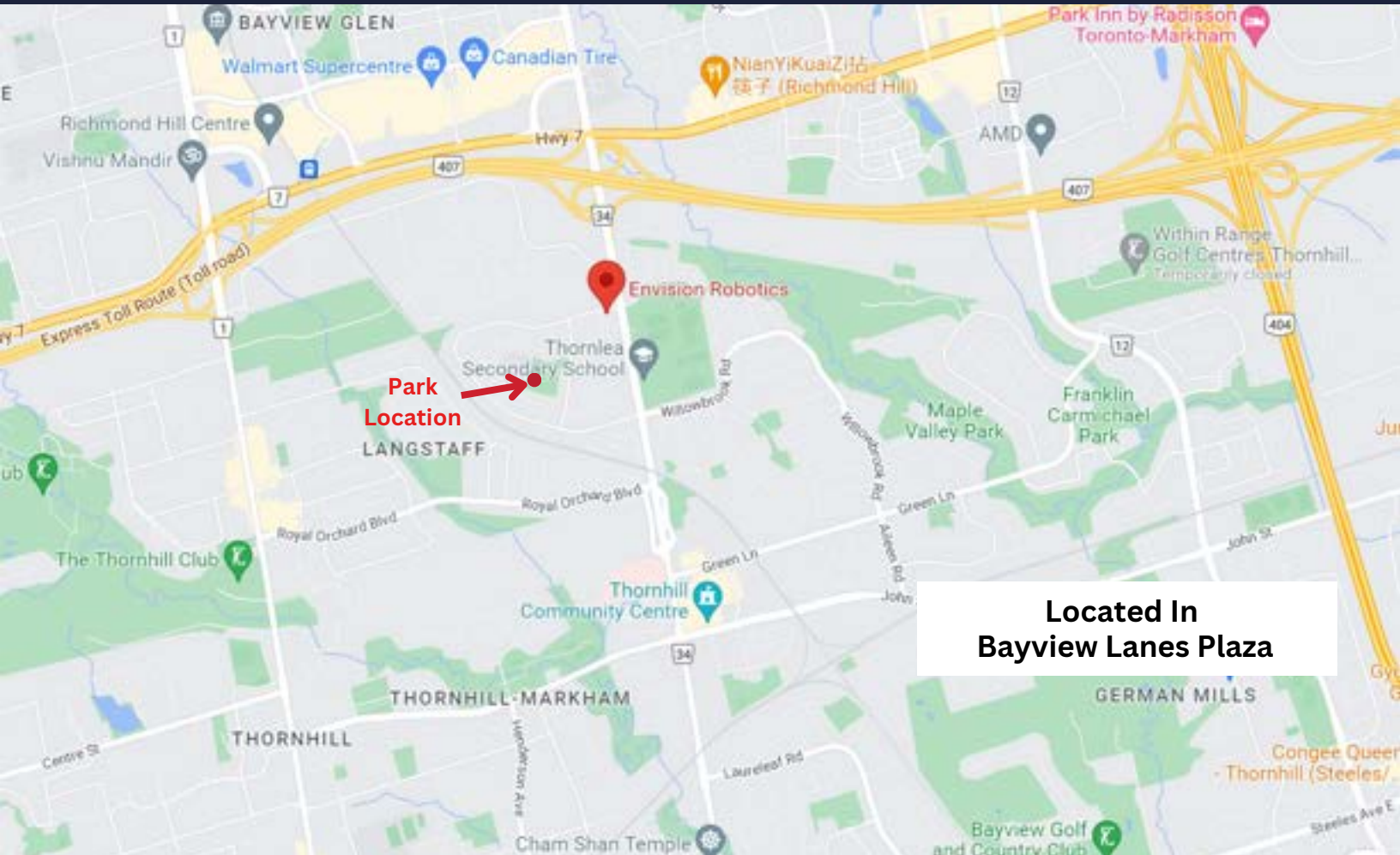


**3D Printing**





# Our Location



**Located In  
Bayview Lanes Plaza**



## Our STEM Studio

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

### Follow Us!

