

# 2023

## STEM Summer Camp Guide

Ages 8-14

(416) 992-3281  
info@mcode.club  
mycodeclub.io

# Camp Details



## CAMP HOURS

Full Day: 9:00 AM - 4:00 PM  
Half Day: 9 AM - 12 PM OR 1 PM - 4PM

## LOCATION

3195 Erindale Station Rd  
Mississauga, ON

**EARLY BIRD COST\*** \$370 (Full Day) OR \$190 (Half Day)

**REGULAR PRICE** \$410 (Full Day) OR \$220 (Half Day)

*\* Early Bird Pricing Available Until April 30th*



# Schedule



<b>8:45 - 9:15 AM</b>	Drop-off & Getting Ready
<b>9:15 - 10:30 AM</b>	Learn, Explore, & Create
<b>10:30 - 10:45 AM</b>	Snack
<b>10:45 - 11:45 AM</b>	Practice Makes Perfect
<b>11:45 - 12:15 PM</b>	Lunch Time
<b>12:15 - 1:00 PM</b>	Indoor/Outdoor Activity
<b>1:00 - 2:15 PM</b>	Learn, Explore, & Create
<b>2:15 - 2:30 PM</b>	Snack
<b>2:30 - 3:45 PM</b>	Practice Makes Perfect
<b>3:45 - 4:00 PM</b>	Clean-up & Pick-up

*\* Schedule subject to change*

# Camp Dates & Themes



## July 4 - 7 | Robo Code warriors

Code, build, and battle robots! Join Robo Code Warriors camp for an action-packed week of coding and robotics fun at My Code Club. Learn to program and customize robots while having fun with like-minded peers.



## July 10 - 14 | Cinematic Adventure

Calling all aspiring filmmakers & photographers! Join Cinematic Adventures week camp for a fun and immersive experience. Participants will learn the art of storytelling through photos & videos and bring their vision to life.



## July 17 - 21 | Print Master

Experience the world of 3D Modeling & Printing with a week of fun and creativity! Participants will learn how to design, model, & print their objects while developing problem-solving & technical skills in a supportive and engaging environment.



## July 24 - 28 | Machine Learning Marvels

Join the Machine Learning Marvels week camp and become a tech genius! Participants will learn how to build and train models, develop problem-solving skills, and discover the potential of Machine Learning to transform the world around them.

*\* Activities & themes are subject to change*



# Camp Dates & themes



## July 31 - Aug 4 | Robo Code warriors

Code, build, and battle robots! Join Robo Code Warriors camp for an action-packed week of coding and robotics fun at My Code Club. Learn to program and customize robots while having fun with like-minded peers.



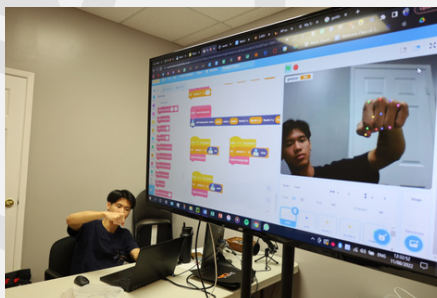
## Aug 8 - 11 | Cinematic Adventure

Calling all aspiring filmmakers & photographers! Join Cinematic Adventures week camp for a fun and immersive experience. Participants will learn the art of storytelling through photos & videos and bring their vision to life.



## Aug 14 - 18 | Print Master

Experience the world of 3D Modeling & Printing with a week of fun and creativity! Participants will learn how to design, model, & print their objects while developing problem-solving & technical skills in a supportive and engaging environment.



## Aug 21 - 25 | Machine Learning Marvels

Join the Machine Learning Marvels week camp and become a tech genius! Participants will learn how to build and train models, develop problem-solving skills, and discover the potential of Machine Learning to transform the world around them.

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# WEEK 1 & 5



## ROBO CODE WARRIORS

1

### Day 1: Robo Rumble Monday

Participants will learn about the basics of robotics, explore different types of robots, and build their first robot for the camp.

2

### Day 2: Coding Challenge Tuesday

Participants will learn how to code their robots, create a unique design and build custom functionality. They will also compete in a coding challenge and refine their robots to take on other challengers.

3

### Day 3: Battle Bot Wednesday

Participants will work in teams to design, build and program their robots for a battle bot competition. They will use their coding and robotics skills to outmaneuver and out-strategize their opponents.

4

### Day 4: Creative Thursday

Participants will use their coding or robotics skills to create a unique robot/ app that showcases their creativity and style. They will also be introduced to different software that will enhance their design skills.

5

### Day 5: Showcase Friday

Participants will showcase their robots, and apps, reflect on their experiences, and share their creations with their families and peers. They will also receive recognition for their achievements in the camp.

*\* Activities & themes are subject to change*

## WEEK 2 & 6



# CINEMATIC ADVENTURE



1

### Day 1: Storyboarding Monday

Participants will learn the basics of visual storytelling and create a storyboard for their short film or photography project.

2

### Day 2: Camera and Lighting Techniques Tuesday

Participants will learn about the different camera and lighting techniques and how to use them to capture the perfect shot.

3

### Day 3: Acting and Directing Wednesday

Participants will learn the art of acting and directing and how to guide actors to bring their stories to life.

4

### Day 4: Post-Production Thursday

Participants will learn about the editing process and how to use editing software to add special effects, sound, and music to their project.

5

### Day 5: Film Festival Friday

Participants will showcase their final projects and celebrate their achievements with a film festival, where they can screen their films and photos for their families and peers.

*\* Activities & themes are subject to change*

# WEEK 3 & 7

## PRINT MASTERS



1

### Day 1: Design Challenge Monday

Kids will dive into the world of 3D modelling, learning how to create their own designs and tackling exciting design challenges.

2

### Day 2: Printing Power Tuesday

Kids will learn about the power of 3D printing and how it's revolutionizing industries by creating their own 3D printed objects.

3

### Day 3: Sculpting Superstars Wednesday

Kids will become sculpting superstars, learning how to create 3D models of real-life objects and characters.

4

### Day 4: Engineering Experts Thursday

Kids will explore the engineering side of 3D printing, creating designs that are both functional and aesthetically pleasing.

5

### Day 5: Grand Finale Friday

Kids will showcase their designs and creations to an audience of peers and parents, becoming the 3D Modelling & Printing pros of tomorrow.

*\* Activities & themes are subject to change*

## WEEK 4 & 8



# MACHINE LEARNING MARVELS

1

### Day 1: Mighty Machines Monday

Kids will learn how machines learn and how they can make machines even smarter through real-world examples and interactive games.

2

### Day 2: Data Detective Tuesday

Kids will become data detectives, collecting, exploring, and analyzing data to uncover hidden patterns and develop their own models.

3

### Day 3: Algorithm Adventure Wednesday

Kids will go on an algorithm adventure, learning about different types of algorithms and creating their own to tackle exciting challenges.

4

### Day 4: Hands-on Heroes Thursday

Kids will become hands-on heroes, putting their skills to the test by developing and refining their machine-learning models in a fun and collaborative environment.

5

### Day 5: Grand Finale Friday

Kids will showcase their newfound skills and present their final projects to an audience of peers and parents, becoming the Machine Learning Marvels of tomorrow.

*\* Activities & themes are subject to change*



# CAMP FAQs



## What is STEM Summer Camp?

STEM Summer Camp is a fun and educational program designed to introduce children to the world of Science, Technology, Engineering, and Mathematics (STEM) through a variety of engaging and interactive activities.



## Who is eligible to attend STEM Summer Camp?

Our camp is open to children aged 7 to 13 who are interested or would like to explore STEM subjects.



## What activities will be included in the camp?

The camp will include a variety of STEM-related activities, such as coding, robotics, 3D printing, electronics, and more. In addition, we will also have time for breaks, outdoor playing, snacks, & lunchtime. We aim to provide a well-rounded program that balances learning with fun & physical activity.



## What are the benefits of attending STEM Camp?

STEM Camp offers children a unique opportunity to explore STEM subjects in a fun and supportive environment. Children will develop their critical thinking, problem-solving, and teamwork skills by participating in hands-on activities and interacting with experts in the field.

*\* Activities & themes are subject to change*

# CAMP FAQs



## What are the pickup and drop-off times for Camp?

Typically the camp will run from 9:00 am to 4:00 pm, Monday through Friday. The drop-off time will be between 8:50 and 9:10 am, and the pick-up time will be between 3:50 and 4:10 pm. Parents/guardians will be required to sign their children in and out each day.



## What should my child bring to the camp?

Your child should bring a laptop, mouse, charger, as well as lunch and snacks. We will provide all necessary equipment and materials for the STEM activities, but please make sure your child brings their own laptop and charger to ensure they can participate fully.



## What if my child doesn't have a laptop?

If your child doesn't have a laptop, please contact My Code Club at [info@mcode.club](mailto:info@mcode.club) to see what other options we have available. We strive to make our programs accessible to all families and may be able to provide a loaner laptop or other accommodations.



## What is the benefit of bringing my own laptop?

Bringing their own laptop to STEM Camp can help your child feel more comfortable and confident during activities, as they'll be using a familiar device. They can continue practicing STEM skills outside of camp, save their work to the laptop, and showcase progress to family and friends.