



STEAM SUMMER CAMP



IN-PERSON 5 DAY WORKSHOPS

REGISTER NOW

STEAM
Works Studio

10am-1pm
Ages: 5-10

WEEK 1: JULY 18th-22nd

SCRATCH CODING (ARCADE) + NANOBOT ROBOTICS (DINOS)



Learn to code with SCRATCH by MIT! Use colorful drag-and-drop coding blocks to create fun animations & classic arcade games. Also, have fun with our Nanobot Robotics LEGO™ based kits appropriate for hands-on building & programming projects.

2pm-5pm
Ages: 10-15

PYTHON CODING AND ARTS + EV3 ROBOTICS (MARS)

In Python & Arts, campers will use Turtle graphics & Tkinter to make fun graphics, music, games, & animations while learning Python language basics. In EV3 Robotics- Mars Mission, students will learn to build & program a Mars rover! Campers will learn sensor control, programming, testing, & engineering design!



10am-1pm
Ages: 5-10

WEEK 2: JULY 25th-29th

MINECRAFT MISSIONS (BLOCK CODING) + CARTOONING

Minecraft Missions is a great way to get young children to be creative while using drag & drop block coding! In a game-based learning environment, students learn conditionals, variables, functions, coordinates, loops, & more! In Cartooning, campers will learn many drawing techniques to give their cartoon drawing skills a massive leg up!



2pm-5pm
Ages: 10-15

WEB DESIGN + 3D PRINTING-CAD (SKETCHUP)

Create & customize the look & feel of your own websites using CSS, JS, & HTML5, while also learning techniques to make engaging blogs & mobile friendly web pages. After, campers will learn to use SketchUp to create simple 3D Printed CAD projects. Make houses, buildings, toy planes, & much more!



SketchUp

10am-1pm
Ages: 5-10

WEEK 3: AUGUST 1st-5th

SCRATCH MINECRAFT + NANOBOT ROBOTICS (SPACE)



Create your own games & animations + learn to code using SCRATCH's easy "drag & drop programming" with MINECRAFT as the theme for the week. Also, have fun in our robotics course with a SPACE theme! Have a blast using block coding, motors, gears, pulleys, & motion sensors to create fun space themed Nanobot robots!

2pm-5pm
Ages: 10-15

PYTHON CODING + EV3 ROBOTICS

Python coding is a powerful, expressive programming language that's easy to learn & fun to use. Campers will build cool graphics & games! Plus, have fun in our EV3 LEGO Robotics workshop. Build robots & use programming blocks + sensors for motor & flow control! Solve challenging robotic problems, such as, traversing mazes, avoiding obstacles, following a path & more!



10am-1pm
Ages: 5-10

WEEK 4: AUGUST 8th-12th

CARTOONING + MINECRAFT (BLOCK CODING)



Campers will learn to enhance their drawing skills & unleash their creativity! Learn new techniques while doing something you love! If you can dream it, you can draw it! Also, have fun in Minecraft Block Coding & become creative-logical thinkers while using drag & drop block coding!

2pm-5pm
Ages: 10-15

3D PRINTING-CAD (SKETCHUP) + WEB DESIGN

Participants will learn to use SketchUp to create simple & fun CAD projects. Express your imagination into plastic 3D reality! Also, using HTML5, JavaScript, & CSS; campers will make their own websites & deploy it! Add videos & pictures + learn how to make typical website widgets.



STEAM WORKS STUDIO CANADA IN
PARTNERSHIP WITH MINDSHARE WORKSPACE



LOCATION: Erin Mills Town Centre- MindShare Workspace
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