# Project Morse Code
# STEM Camp Adventure

# Discover, Create, Innovate! With DIGITRA Projects

## Morse Code Project

STEM stands for Science, Technology, Engineering, and Mathematics. These fields are essential for understanding the world around us and for creating the future! Get ready for an exciting day of discovery and hands-on learning at our single half Day STEM Camp! This immersive experience is designed to spark curiosity and inspire future innovators in science, technology, engineering, and mathematics.

## What to Expect

Join us for a day packed with interactive activities, engaging experiments, and fun challenges! Participants will explore various STEM concepts through a creative project and collaborative problem-solving.
In this activity, students will **design and build a working Morse code device**. They will create a simple schematic, try out basic PCB design and assembly, and add coding to make the device function. Along the way, they'll also learn about **Morse code and the basics of telecommunications**, discovering how messages were once sent across long distances.

## Activities Include:

- **Introduction to 3D design 3D Design** – Learn the basics of 3D modeling and bring your ideas to life.
- **Electricity & Coding** – Discover the fundamentals of electricity, coding, and robotics.
- **Introduction to Electricity:** Dive into the basics of coding and robotics.
- **Engineering Challenges** – Design and build creative structures and machines using provided materials.
- **Morse Code & Telecommunications** – Explore the history of communication and create your own device.
- **Schematic & PCB Design** – Create electronic schematics, design printed circuit boards (PCBs), and practice basic assembly.

**Digitra Technologies, Inc.**
**Unit 245 - 4211 Yonge Street, ON, M2P2A9**

www.digitra.ca
admin@digitra.ca

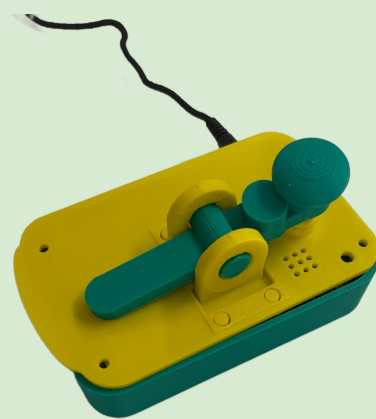| Class Details | Information |
| --- | --- |
| Date | Saturdays Fall 2025 |
| Time | 9:00 AM - 12:30 PM |
| Location | Unit 245 - 4211 Yonge Street, NorthYork, ON, M2P2A9 |
| Age Group | Ages 8-13 |
| Price | $75+HST  per participant |

# Registration

Ready to join the fun? Register today to secure your spot! Space is limited.
To register, please visit our website or contact us at admin@digitra.ca or visit www.digitra.ca

## Why Choose Our STEM Camp?

- **Experienced Instructors:** Our team of passionate educators are dedicated to making learning enjoyable and accessible.
- **Hands-On Learning:** We believe in learning by doing, providing practical experiences that reinforce theoretical concepts.
- **Inspiring Environment:** Our camp fosters creativity, critical thinking, and teamwork in a supportive setting.
- **Future-Ready Skills:** Introduce your child to essential skills that are crucial for success in the 21st century.

## Contact Us

Have questions? We'd love to hear from you!
Email: admin@digitra.ca
Contact us:  www.digitra.ca

Don't miss out on this incredible opportunity to explore the wonders of STEM! We look forward to seeing you there!

**Note:** Further details regarding specific activities and materials will be provided upon registration. Please inform us of any allergies or special needs during registration.

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