Dear Families,

Welcome to The STEAM Project's **Create 'N Code: Smart Trains** Virtual Program! We're looking forward to getting started with the program. Below you will find information about preparing for your course:

What's inside your kit:
- 1 wooden station base
- Wooden train track set
    - 12x cardboard track pieces, 8x plywood track pieces
    - 4 unique cardboard track pieces with shape connectors (2 long, 2 short)
- Envelope #1: Train crossing kit
- Envelope #2: Train car kit (2 sheets wood, 2 pcs cardboard, component bag)
- Envelope #3: Train station kit (7 pcs)
- Envelope #4: Train tunnel kit (6 pcs)
- Electronics bag 1
    - Yellow gear motor & LED lights
    - AA batteries, Coin battery & battery holders
- Electronics bag 2
    - Micro:bit & Micro-USB cable, Alligator clip and dupont wires
    - 2x AAA battery & battery holder
- Tool kit with wood glue, popsicle sticks, sandpaper, and double sided tape

Hardware and Software Requirements:
- Any PC or Mac **computer** that can **run Google Meets (with webcam, mic, and USB port)**
    - iPads are not compatible. Chromebooks may experience technical difficulties.
- Link to **software used:** https://makecode.microbit.org/
    - Chrome is the recommended browser for uploading code onto the micro:bit

Safety Information:
- This product contains **small and sharp parts**. Do not swallow or scratch to avoid injury
- Some **parts will rotate or move** when they work. Do not touch them to avoid being bruised or scratched and to avoid damaging internal components
- Use the parts in the kit in accordance with each lesson. If you do not know how to use or wire a part, **ask an instructor** before connecting it to any source of power (e.g. batteries)
- Store the kit and all parts in a **dry place away from direct sunlight**
- Unplug and **turn off all power when not in use**

Questions?
(289) 819-0178
virtual@thesteamproject.ca

Show off what you made!
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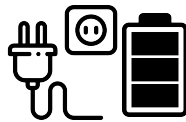steamproject

Class Rules:

--- *Before the first class* ---

• Sign up for the **Google Classroom** at least **one day before the first class**.
• Your Classroom code is available through a PDF titled **"Household Confirmation Letter"**.
The meeting links will be posted in the Classroom.

--- *To prepare for class* ---

Prepare a **clean workspace.** Use newspaper or something similar to **protect surfaces**

Plug in your device or make sure it's **fully charged**

Arrive on time - after 5 minutes, you may not be able to be added as the instructor may be busy

--- *During class* ---

• You can turn off your video if you are not sharing something with others.

Raise your hand to indicate to the instructor that you have a question

Please use the **chat** only for **relevant discussion**

Mute your microphone when you are not speaking to the class or instructor

• For the first class, the instructors will spend time making sure everyone is comfortable and that the equipment is working.

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--- After class ---

• Students can ask questions to their instructor, communicate with other students, receive updates, and links to online resources & bonus projects through the Google Classroom.

• If there is a **planned absence, please notify us by emailing: virtual@thesteamproject.ca**
• For missed classes, resources will be available through Google Classroom.

Sincerely,
The STEAM Project Family

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