

CREATE 'N' CODE

MISSION MARS I: HABITAT

Dear Families,

Welcome to The STEAM Project's **Create 'N' Code: Mars Mission I** 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 Electronics bag (Micro:bit included)
- Breakout board inside black box
- 5 separate plastic bags containing:
 - 1. Rocket launchpad parts
 - 2. Roof struts and base assembly pieces
 - 3. Hatch parts
 - 4. Solar panel parts
 - 5. Tunnel parts
- Mars Habitat Base
- Model rocket cardboard parts.
- Tool kit with wood glue, popsicle sticks, sandpaper, 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**

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Class Rules:

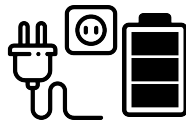
--- Before the first class ---

- 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