

# DIY BATTLE BOTS

Dear Families,

Welcome to The STEAM Project's **DIY Battle Bots** 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:

- Electronics kit (including Arduino Nano, motor shield, DC motors, joysticks, radio controller, capacitor)
- Wooden parts kit (including tank chassis, tracks, controller body)
- 3D printed kit (including tank wheels, axles, transmission)
- Tool kit including: screw driver, Mini USB to USB-A Cable, 9V Battery, wires, various screws & bolts

## Hardware and Software Requirements:

- Any PC or Mac **computer** that can **run Google Meets (with webcam, mic, and USB port)**
  - iPads and Chromebooks are not compatible
- Link to download **Arduino IDE**: [\[Mac\]](#) [\[Windows\]](#)

## 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@theteamproject.ca](mailto:virtual@theteamproject.ca)**
  - For missed classes, resources will be available through Google Classroom.

Sincerely,  
The STEAM Project Family