

# DIY BATTLE BOTS

Dear Families,

Welcome to The STEAM Project's **DIY Battle Bots** Virtual Camp! 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, learn how to use it before connecting it to any source of power.
- Store the kit and all parts in a dry place away from direct sunlight
- Unplug and turn off all power when not in use

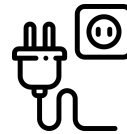
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## Class Rules

### 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** for the projects
- Use a **newspaper** or something similar to keep the surface clean
- **Plug in** your device or make sure it's **fully charged** to avoid disconnections

### During your class...



- **Arrive on time** - after 5 minutes, you may not be able to be added as the instructor may be busy
- For the first class, the instructors will spend time making sure everyone is comfortable and that the equipment is working
- Mute your microphone when you are not speaking to the class or instructor
- You can turn off your video if you are not sharing something with others
  - Please use the chat only for relevant discussion
- Raise your hand to indicate to the instructor that you have a question

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

Sincerely,  
The STEAM Project Family