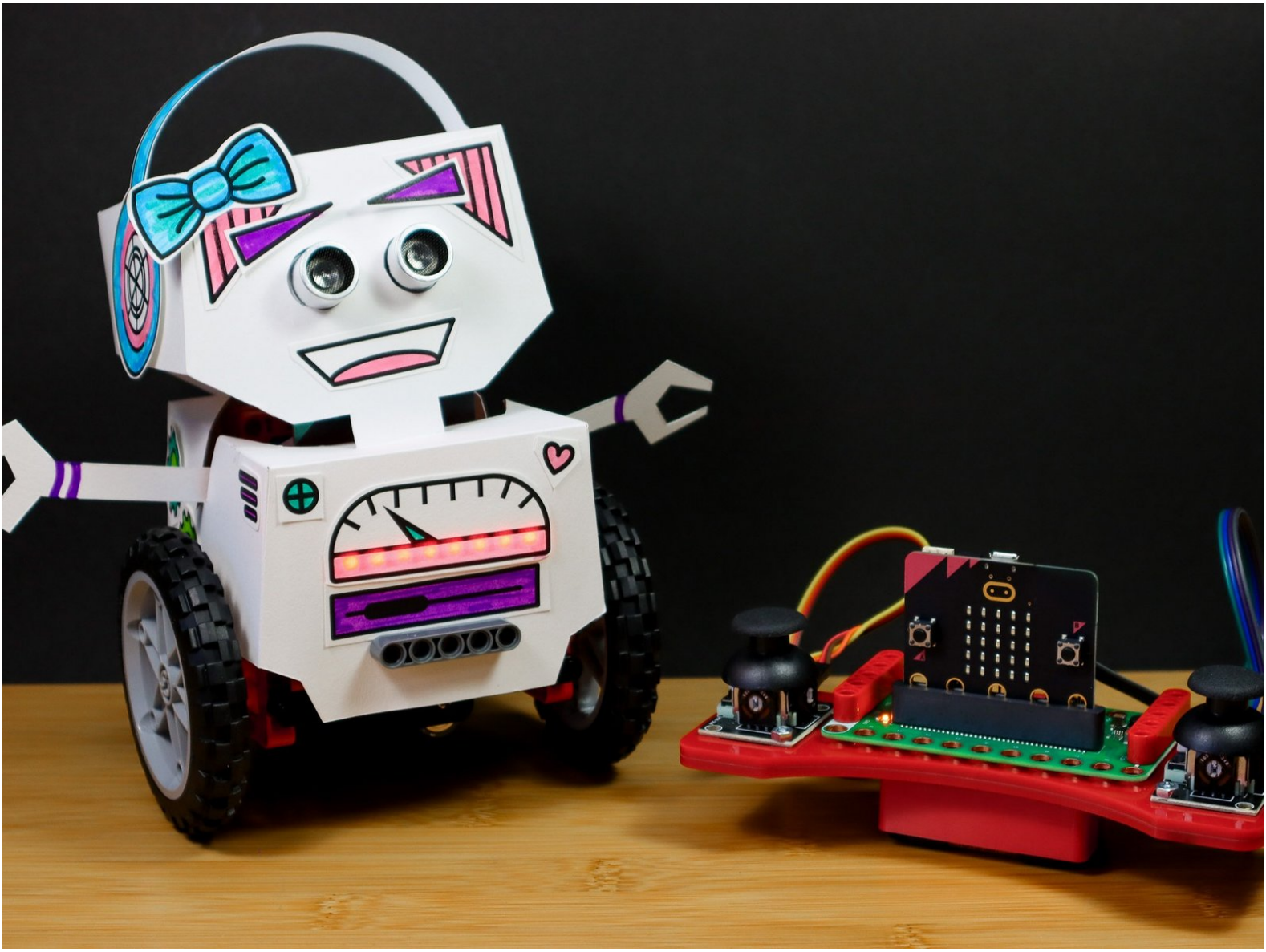
Robot - Remote Control - Rover Body

Written By: Natasha Dzurny



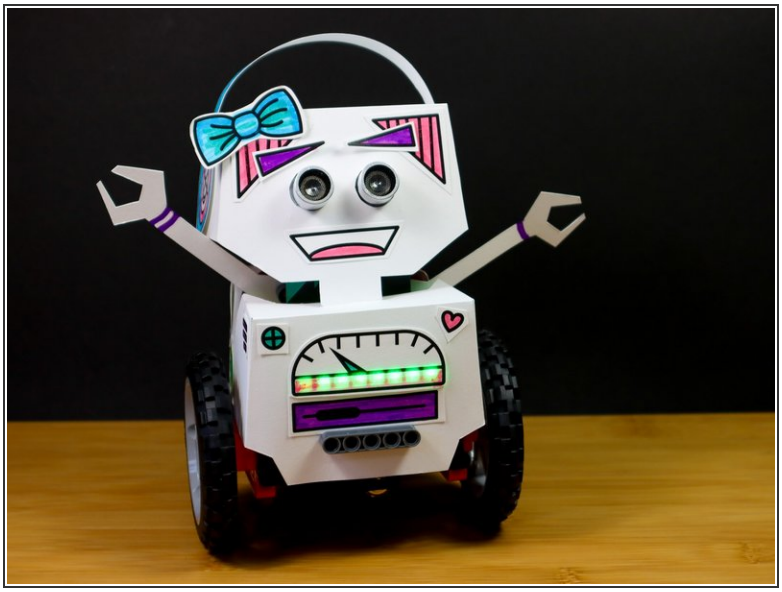
TOOLS:

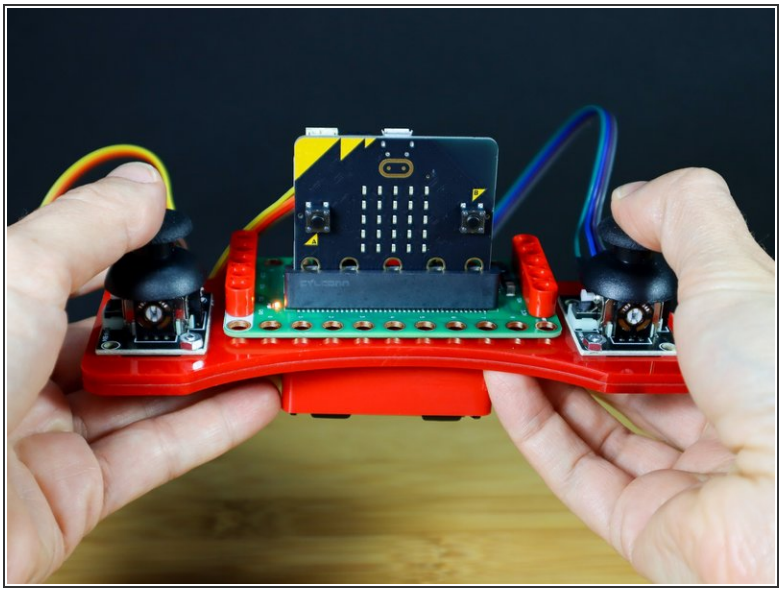
- Phillips Screwdriver (1)

PARTS:

- Rover Remote Kit (1)
- Bit Board Rover Kit (1)

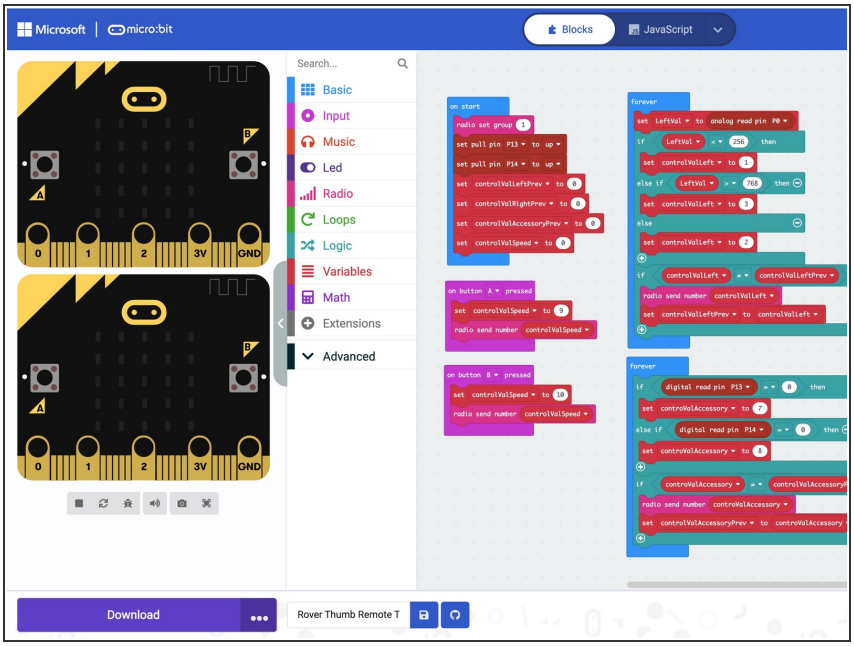
Step 1 — Build the Prerequisite Guides





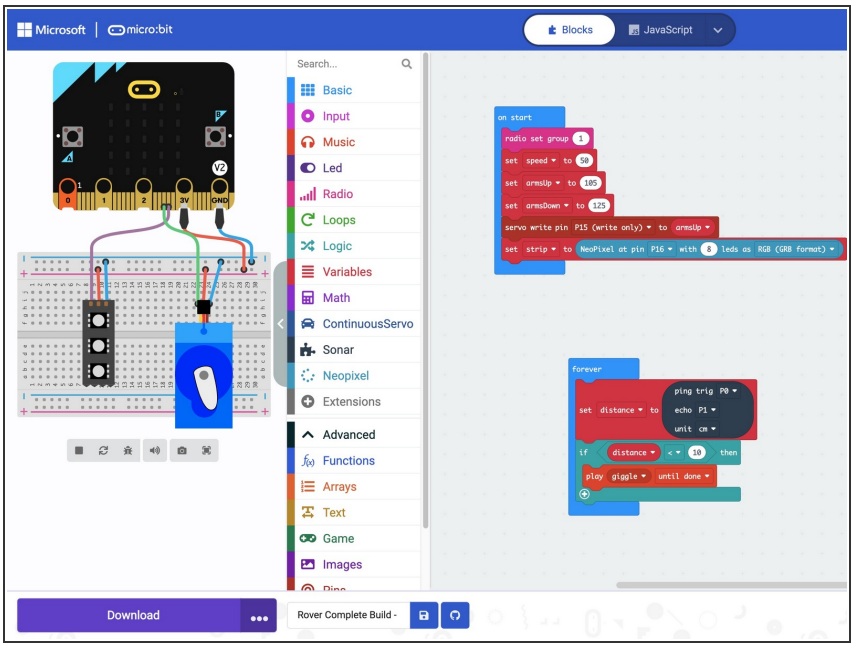
- If you haven't already, build the Complete Robot Rover Build by following this guide.
- And build the Thumbstick Remote by following this guide.

Step 2 — Remote Controller - TX



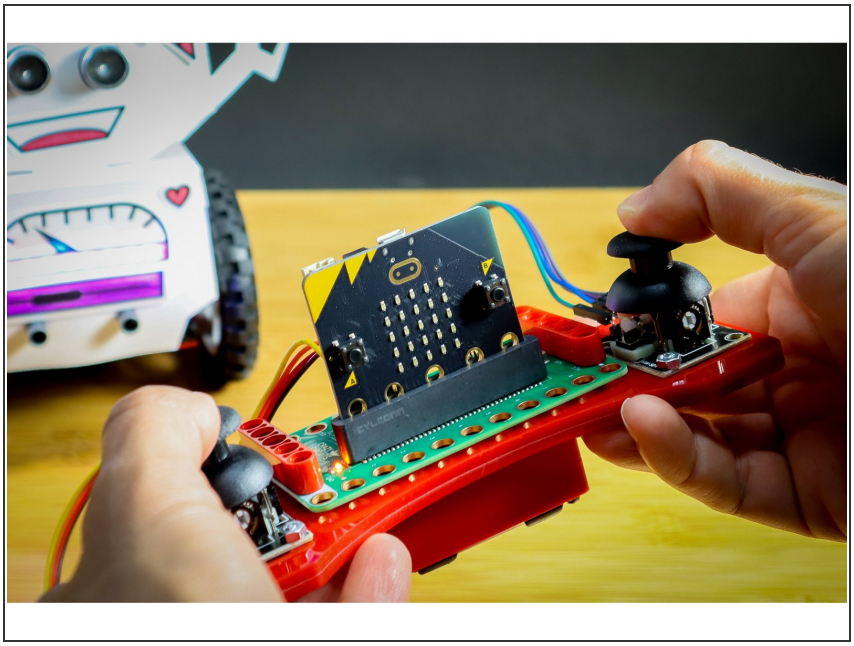
- The code below is based on the Thumbstick Remote guide. To learn more about how this code works, check out that guide.
- To control your robot, add this code to the micro:bit in your remote.

Step 3 — Remote Controlled Bot - RX



- To let your Robot be controlled, download [this code] to the micro:bit inside your 'bot.

Step 4 — Control your Bot!



- Use the thumbsticks to control each wheel forward and backward.
- If you built the "Complete Build" with the Distance Sensor, NeoPixel Strip, and movable arms, you can also control them like this:
  - Pressing the right thumbstick button down will put the arms up and make the NeoPixel Strip green!
  - Pressing the left thumbstick button will put the arms down and make the NeoPixel Strip red.
  - Waving your hand in front of the Bot's eyes (Distance Sensor) will make it giggle!
- Challenge: Experiment with changing the code to make the Bot behave in a different way using the remote!

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