Rover - Flag Holder

Add flags to your Rovers so you can tell which is which in the classroom.

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INTRODUCTION

Add flags to your Rovers so you can tell which is which in the classroom. (Or just add a flag because flags are cool!)

TOOLS:

- Scissors (1)

PARTS:

- Bit Board Rover Kit (1)
- Markers, Crayons, or Colored Pencils (1)
- Painter's Tape (1)

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Step 1 — Gather Your Materials

- The basic idea is that in a classroom full of Rovers they all look the same so we want an easy way to identify which is which. (Especially if they are being driven around via Remote Control.)
- We'll use the Pen Holder as a Flag Holder so we can tell different Rovers apart.
- For materials you can use felt, paper, dowels, drinking straws, popsicle sticks, cardboard… There are a ton of different art/miscellaneous supplies that can work.

Step 2 — Make Flags

- We used sticky notes for our flags. You can write numbers (or letters, names, symbols, emojis, etc.) on them, or if you have a variety of colors, you can even leave them blank.
- For our sticky note flags we just stuck them onto a drinking straw or a popsicle stick and added a number.
- You can get much more elaborate and ornate if you want. We also made a set of "Deluxe Flags" that are felt, with numbers cut from felt and glued in place, and added strings to hold them onto the dowels.
- Making flags is where you can allow creativity to shine, and every Rover can have its own unique flag.

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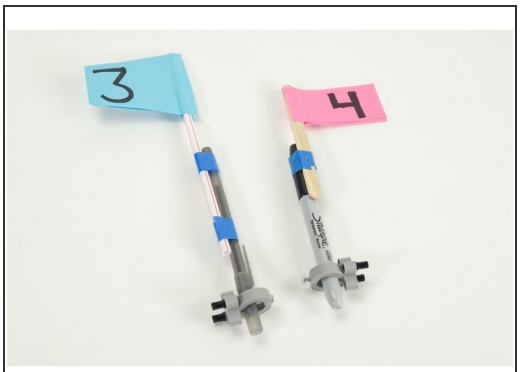
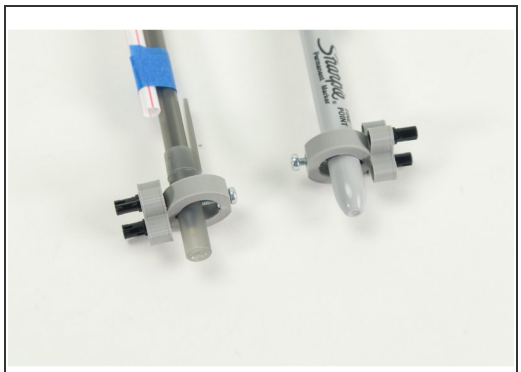
Step 3 — Prepare the Pen Holder

- The Pen Holder comes with a 3mm screw that works great for holding a marker or a pen, but won't work well for a drinking straw, popsicle stick, or thin dowel.
- We just used a marker (or pen) as shown held in place so that we've got a nice solid base to attach our flag to.
- Can you just add your flag to the marker or pen? You can! There's more than one way to add a flag to your Rover.
- Since we wanted a bit more height to our flags we're going to stick them onto the marker/pen for some additional height.

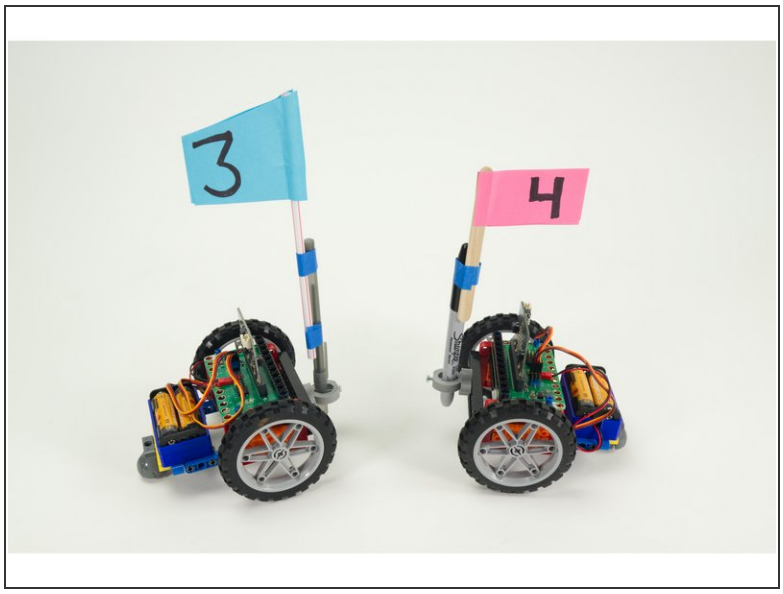
Step 4 — Add the Flag to the Pen Holder

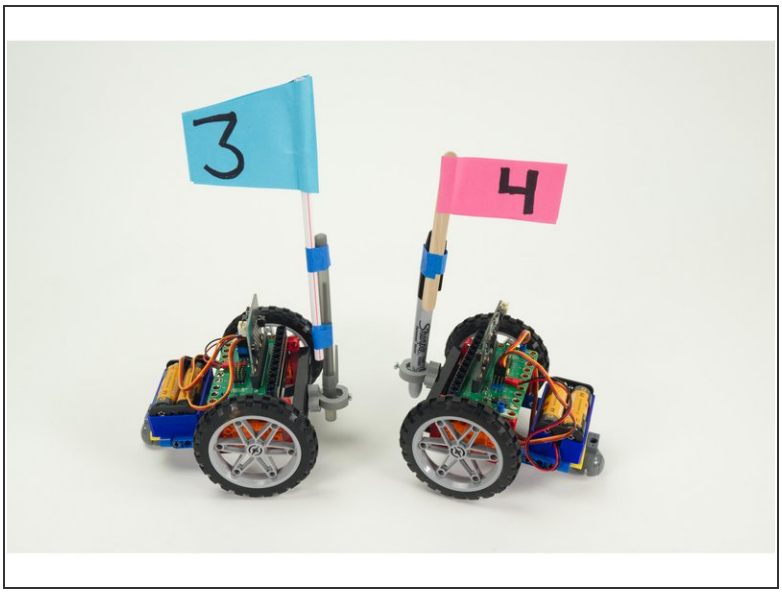




- We used blue painter's tape to attach our flags to the marker/pen that is securely held in the Pen Holder.
- You can use any tape you've got available or you could use rubber bands.

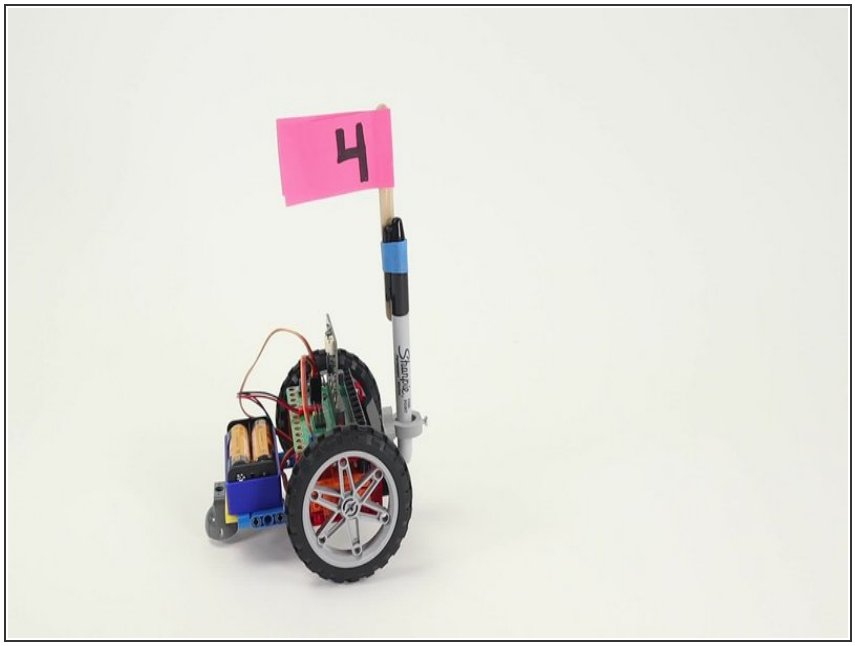
Step 5 — Add Pen Holder to Rover





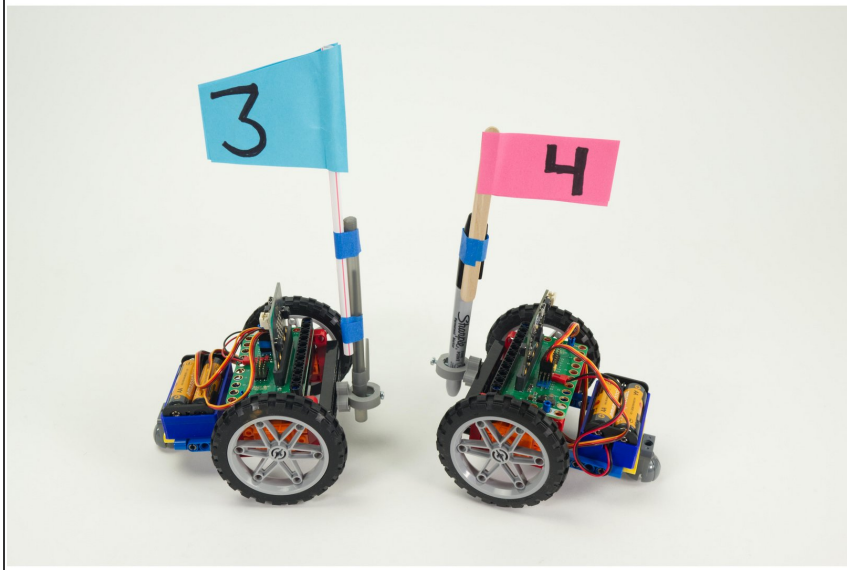
- Attach the Pen Holder to the front of the Rover using two black pins.

Step 6 — Test it Out!



- We used the [Rover Thumbstick Remote] to control our Rover when we tested out the flag. It seems to work well!

Step 7 — Take it Further



- Adding a flag to the Rover is a really simple project but it's open ended enough that you can come up with some fun new ideas for making flags and using them with the Rover.