Bristlebot

Create your own vibrating Bristlebot in minutes using simple household items.

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INTRODUCTION

Bristlebots are great projects for kids of all ages. They're simple to create, fun to play with, and make great learning tools for STEM classes. With this guide we'll show you how to create your own bot in minutes. Be sure to check out our leveled lesson plans and directions.

PARTS:

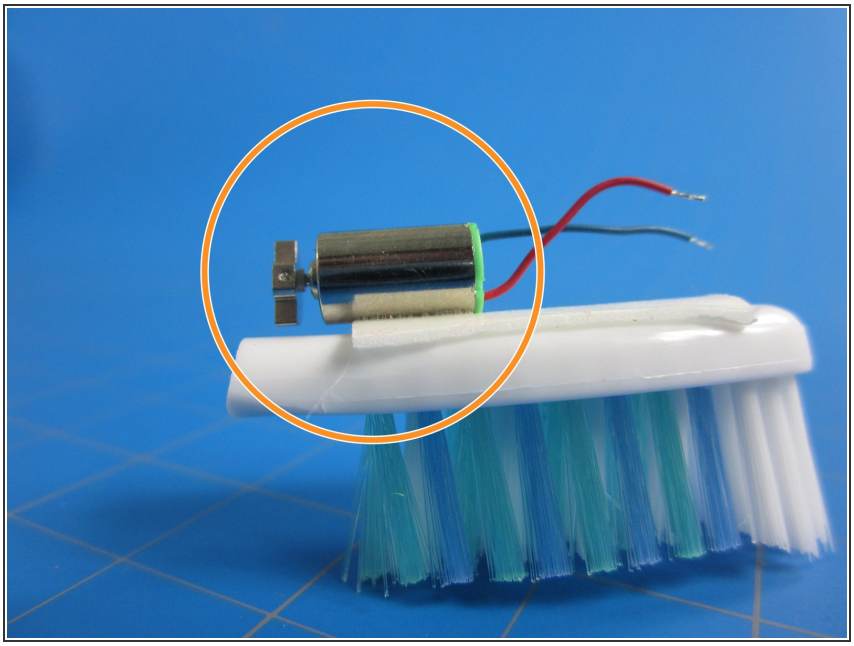
- Bristlebot Kit (1)

Step 1 — Tape



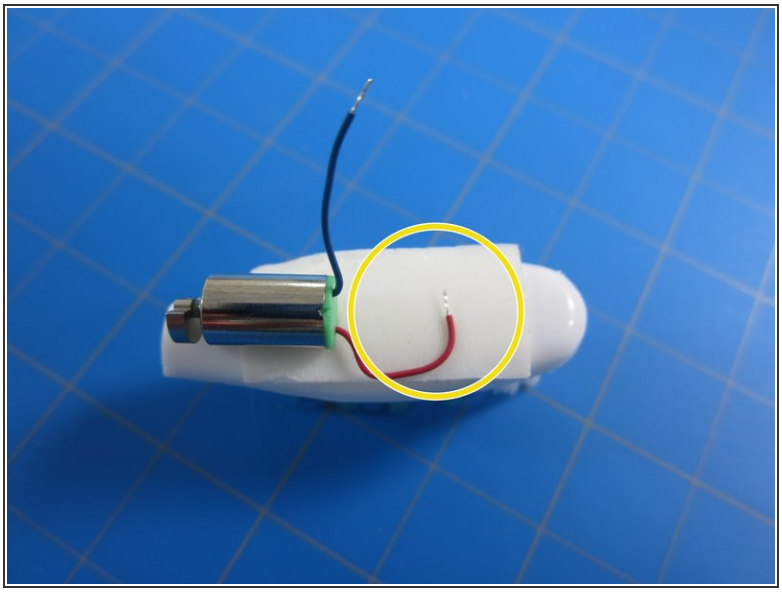
- Peel back one side of the tape and place it on the toothbrush head.
- Then peel off the top layer of tape.

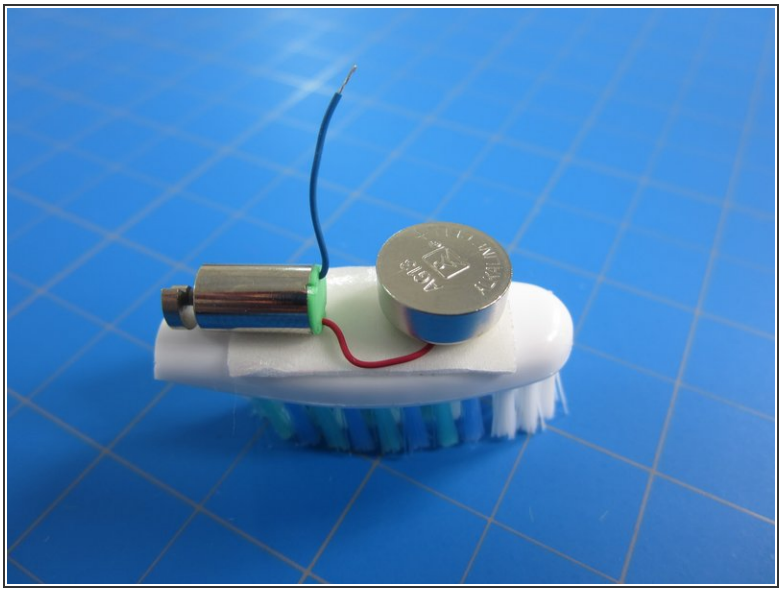
Step 2 — Motor



- Place the motor on top of the tape.
- Make sure the rotating head is hanging off the end of the tape and can move freely.

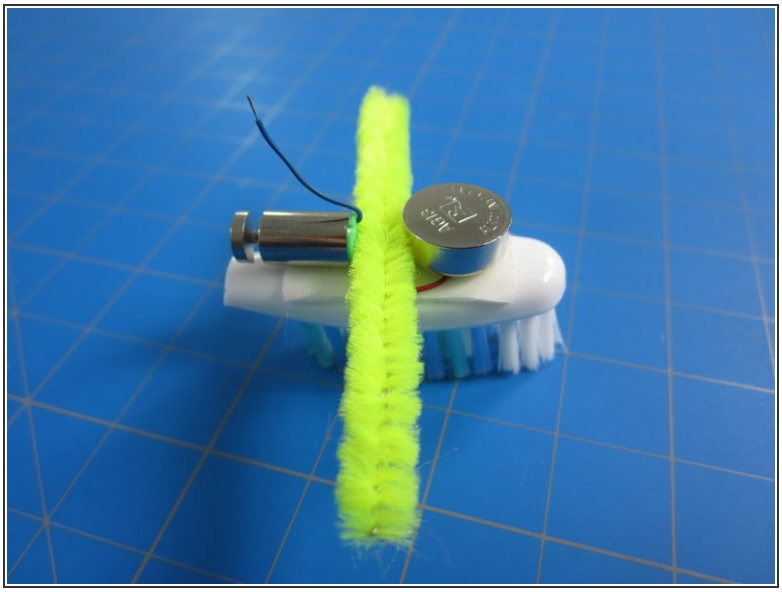
Step 3 — Wires

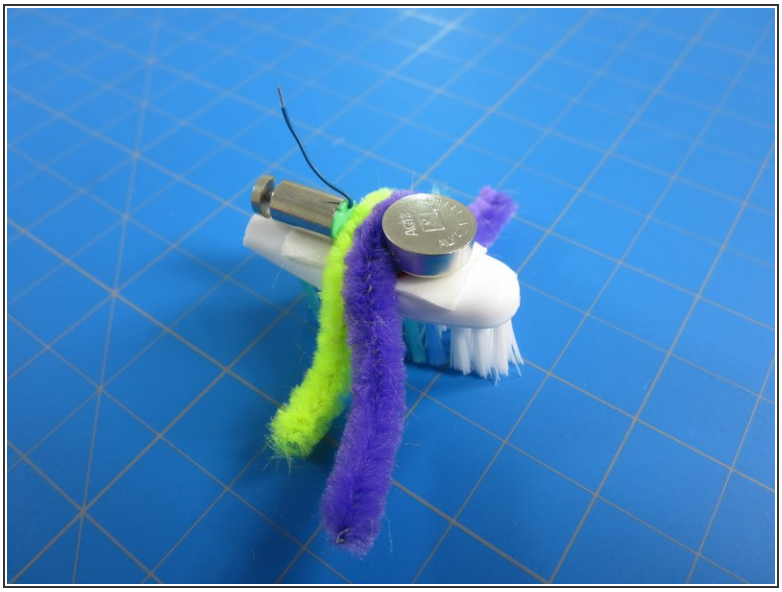




- Place one wire in the middle of the tape.
- Place battery on top of the wire.
- Test your motor by touching the second wire to the top of the battery.

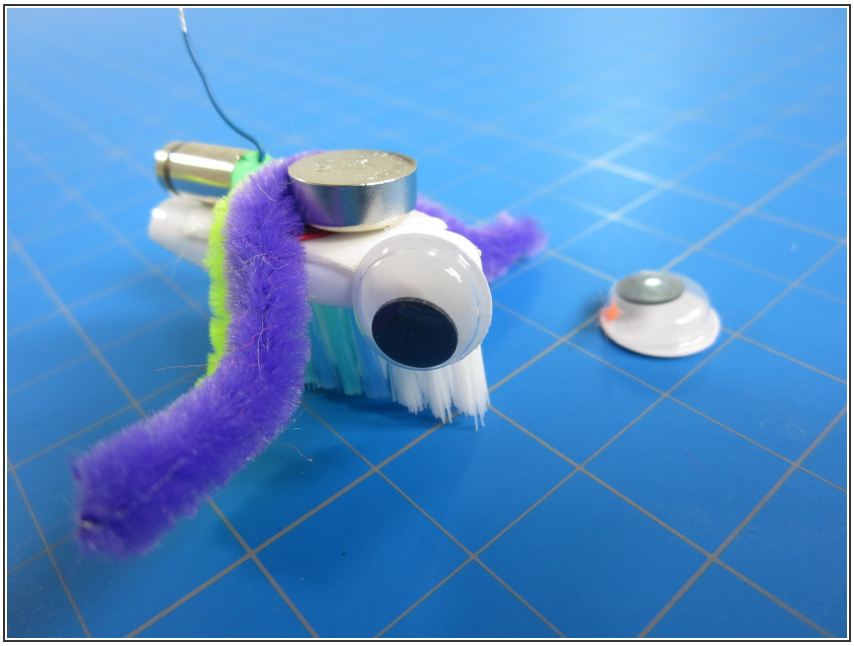
Step 4 — Pipe Cleaners





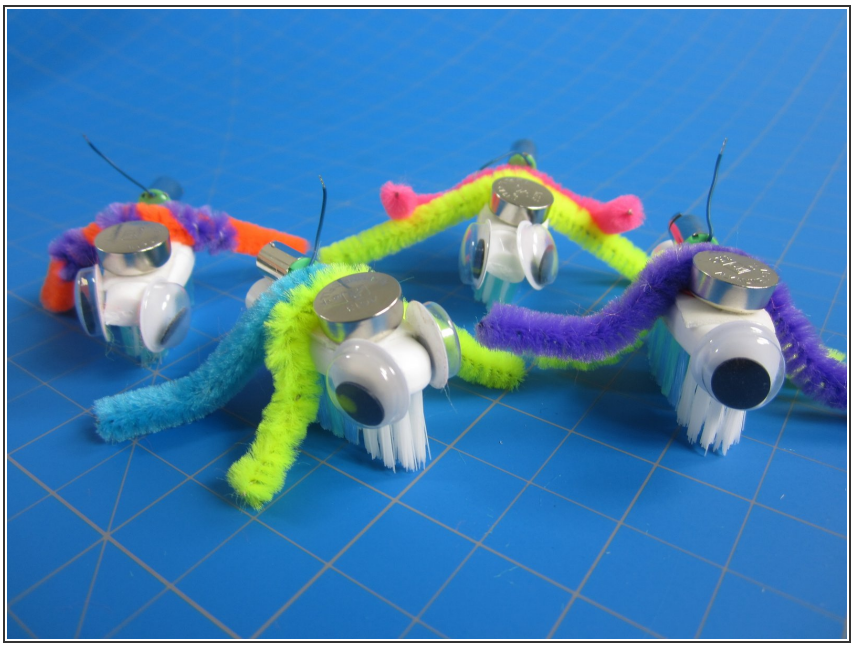
- Place 1-2 pipe cleaners between the motor and the battery. Keep your free floating wire out of the way.
- **Pro Tip:** Put one pipe cleaner between the motor and battery, and a second up between the toothbrush bristles. Then twist them together, clamping everything in place.

Step 5 — Eyes



- Peel off the protective layer on the eyes.
- Stick eyes to Bristlebot.

Step 6 — On/Off



- Press the free floating wire to the side of the bot to get it to stay in place.
- You can also use a small piece of tape or sticker to keep the wire down.
- Move second wire away to "turn off" the bot.