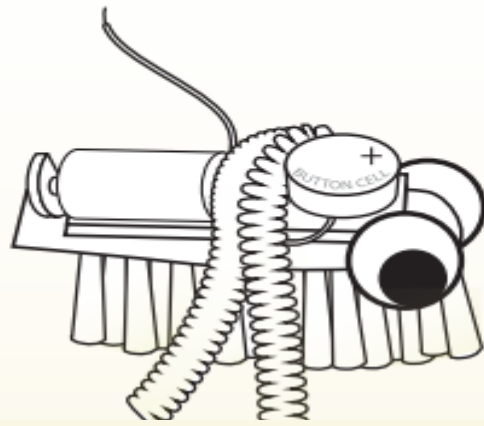


# Bristlebot Challenge



## Materials/Resources needed:

- Bristlebot parts
  - Toothbrush head (toothbrush handle removed)
  - Small button battery
  - Small pager motor
  - (2) 3 inch pipe cleaner
  - (2) Googly eyes
- Attachment materials (double stick tape, tape, hot glue etc.)
- Sharpie pen

## Build:

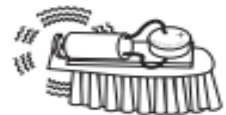
- a. Using double-sided tape or hot glue, attach the motor so that the wires are facing the front of the toothbrush. Make sure that one of the wires is stuck on the front part of the toothbrush.



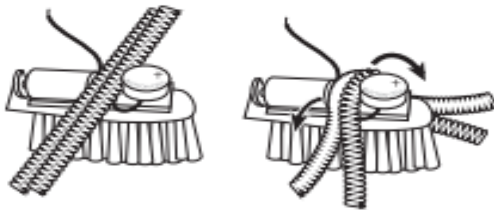
- b. Attach the button battery, positive side up. Make sure that the wire is firmly in place below the battery.



- c. Test the bot by taking the other wire and touch the top (+) side of the battery. The bot should vibrate.



- d. Attach the pipe cleaner "legs" by firmly wedging in between the motor and battery. Bend the pipe cleaners to touch the surface. They may need to be adjusted later.



- e. Using hot glue, attach the googly eyes.



- f. Using a Sharpie pen, write student initials on the cut side of the Bristlebot.

- g. The "switch" can be a piece of clear tape to hold the wire in place on top of the battery.

- h. Name your Bristlebot.

Credit



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