

# “Make” BrushBots

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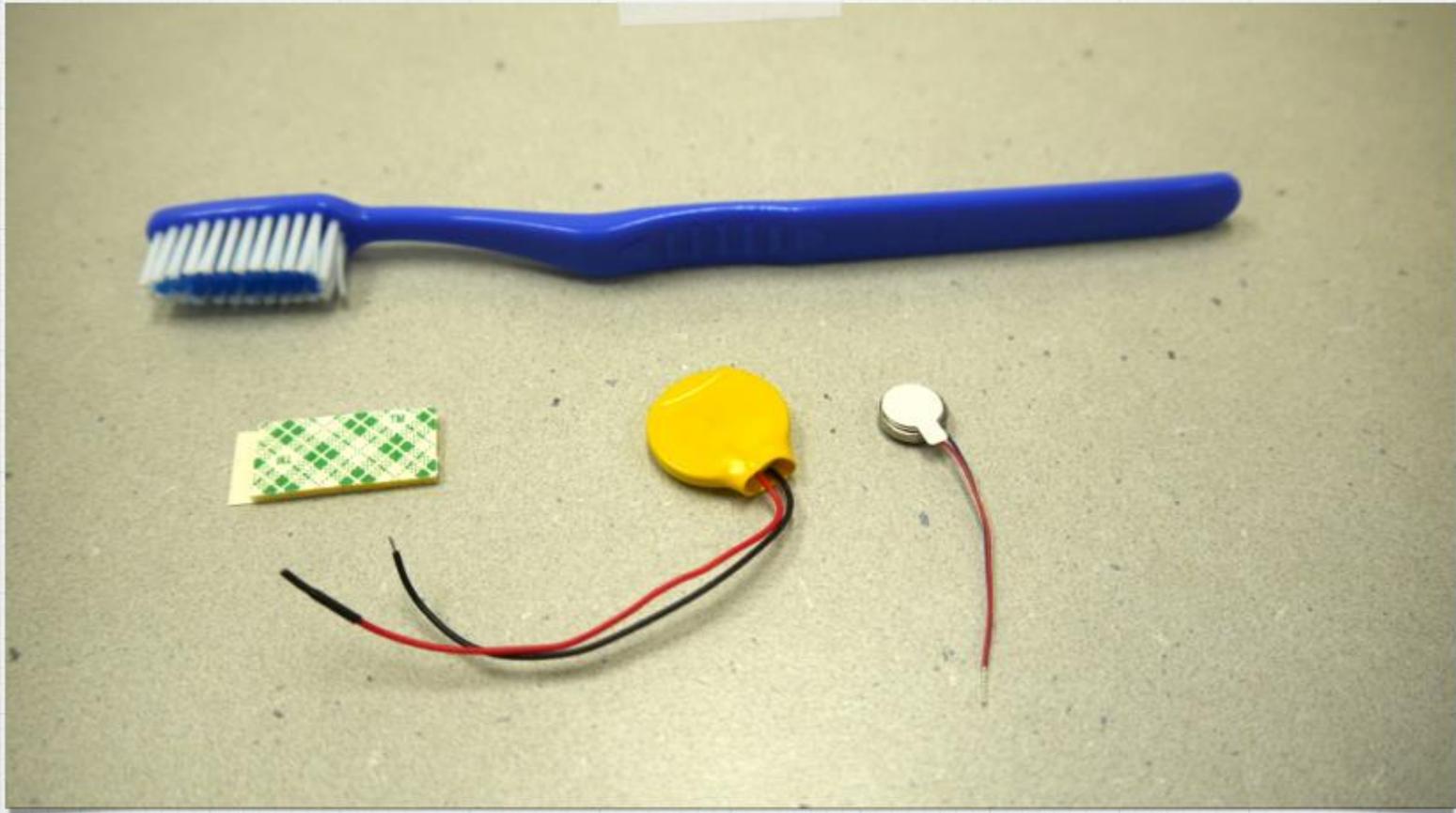
**Maker = DIY**

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**(with lots of help)**



# MakerShed.com

\$24.99 for 12 Bots



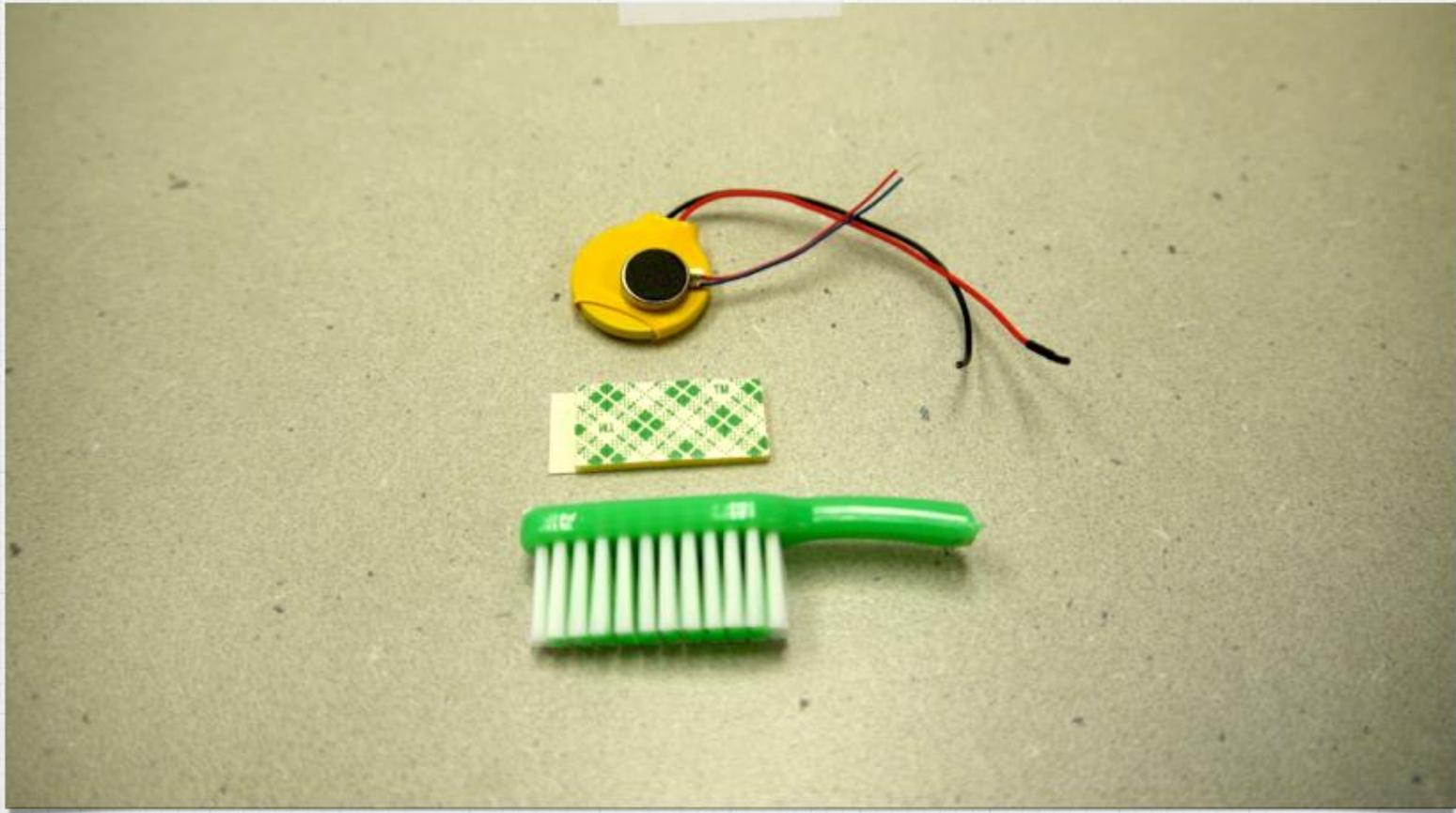
# Simple Pieces

Toothbrush, foam tape, battery (yellow), motor.



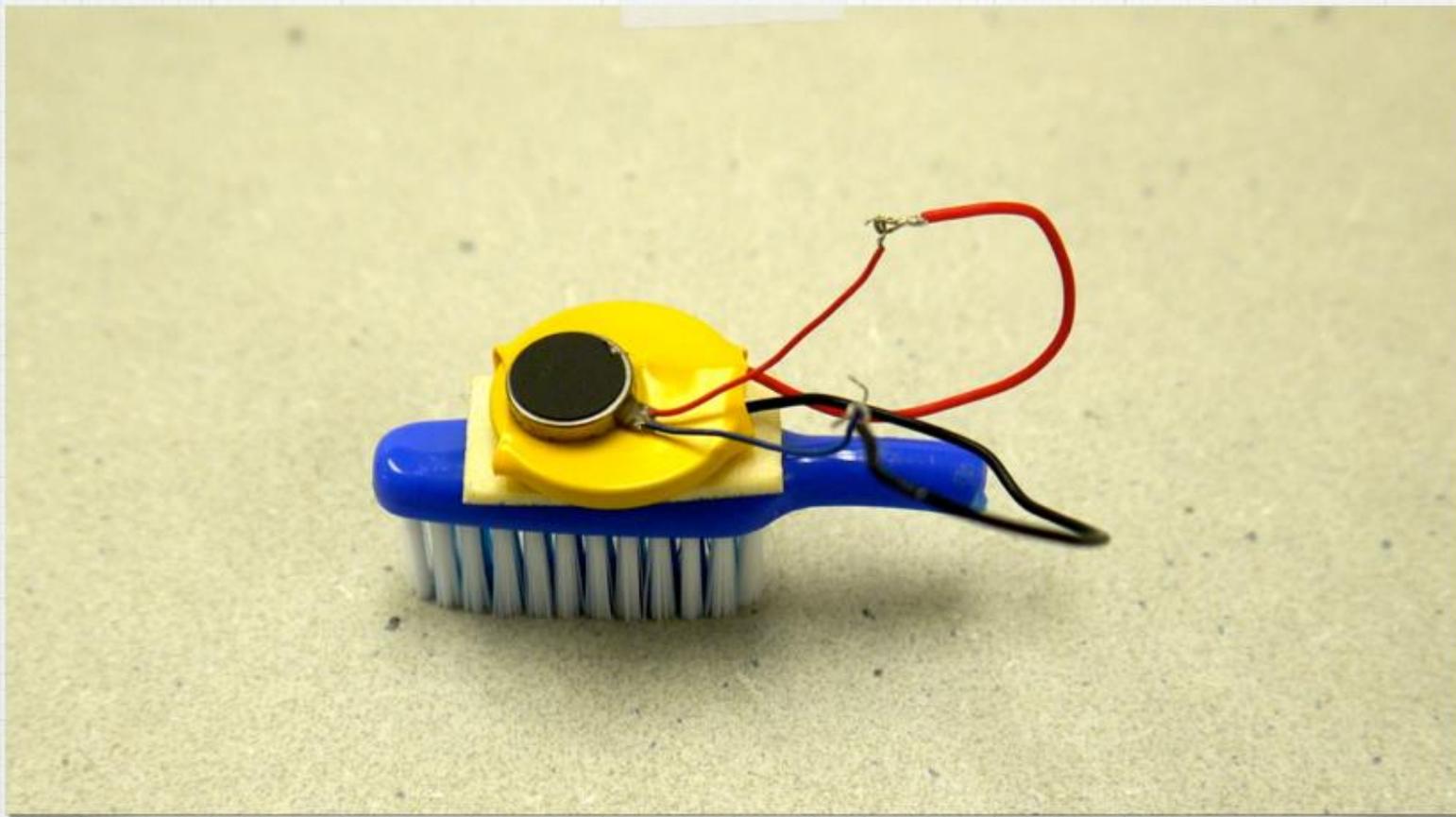
# Simple Tools

Snips, wire stripper.



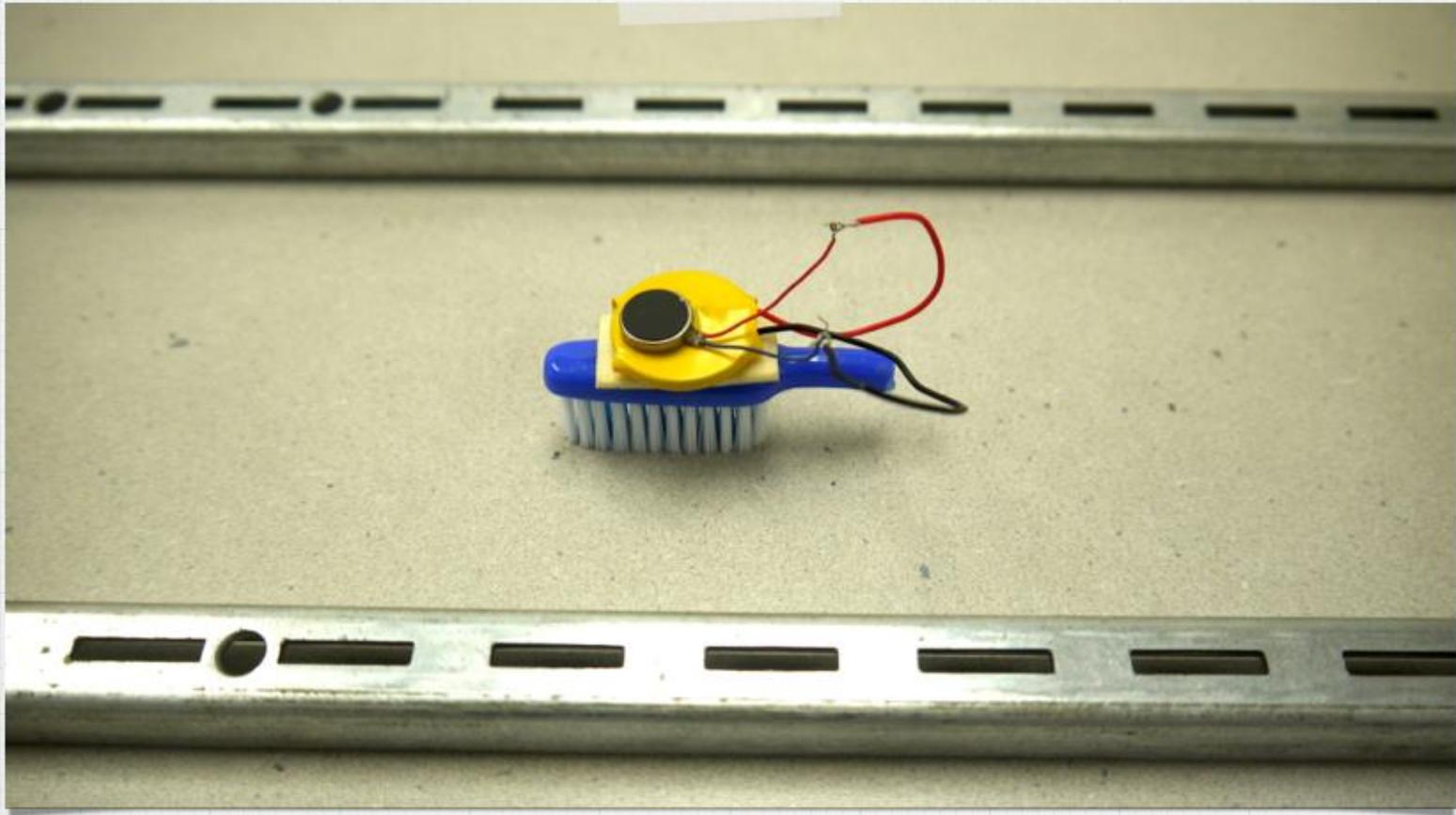
# The Stack

Snipped toothbrush head, foam tape,  
battery & motor.



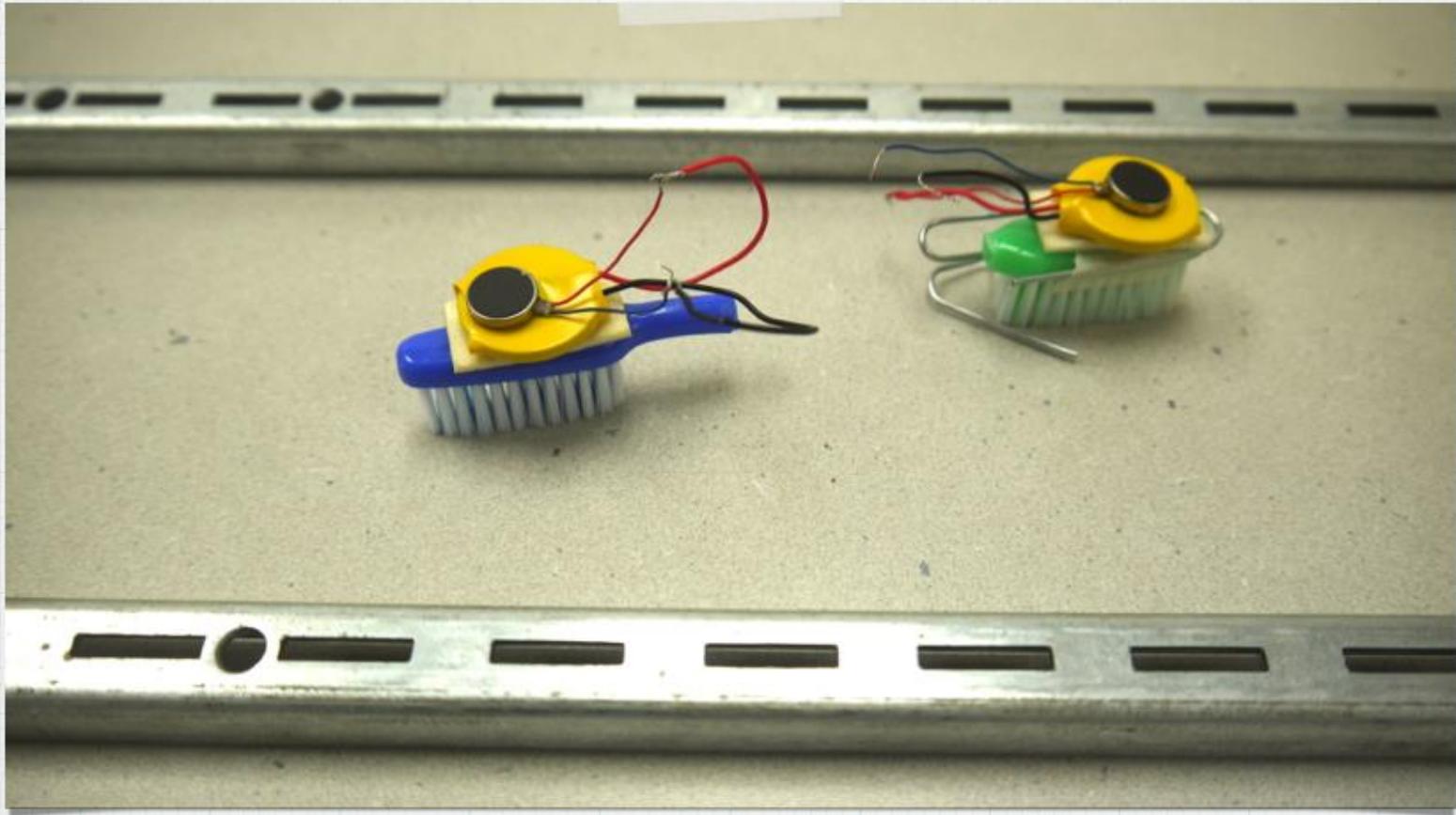
# Assembled

Wires hooked together. No tape required.



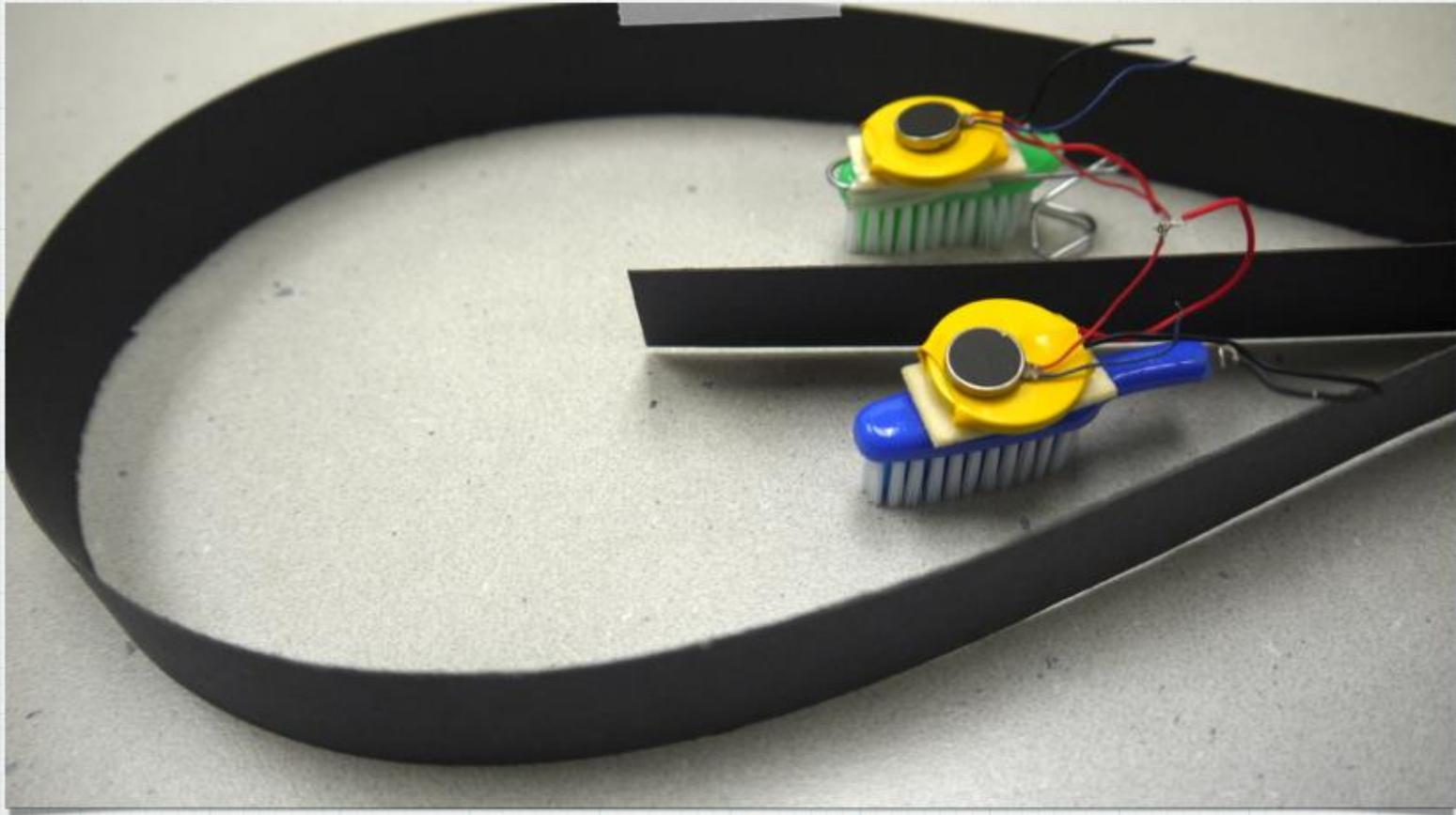
# Race Track

Shelf rails, about \$4 each. Brushbots move best when hugging a rail.



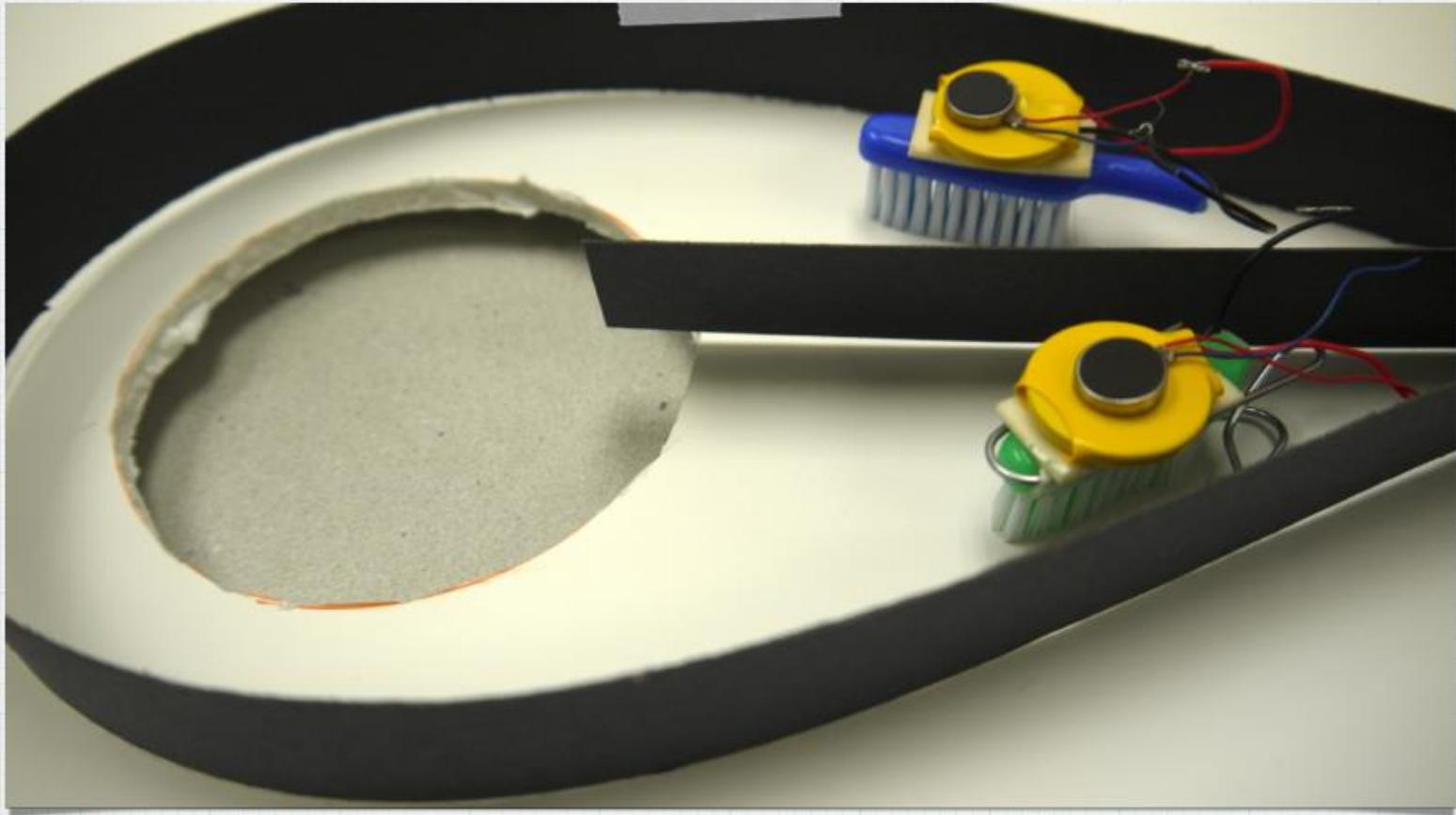
# Stabilizer

One bent paperclip, held on by masking tape.



# Design a Track

Strips of poster board, taped in place.



# Design a Gameboard

Foam core is a good base to use/reuse.



# Design Variations

ScienceBuddies.org Blog - Search for "robotics"

# Be a Maker

- \* Imagine (Results or Inputs)
- \* Inquire
- \* Replicate
- \* Iterate/Extend
- \* Share

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