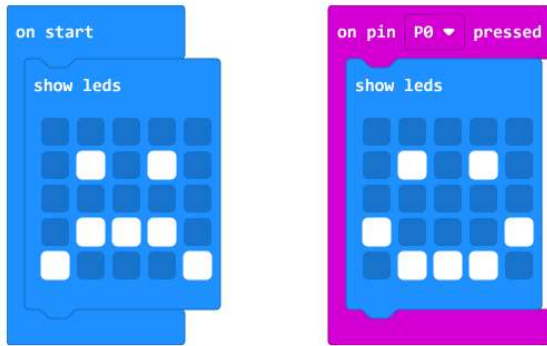# Testing Conductivity of Materials with a BBC Micro:Bit

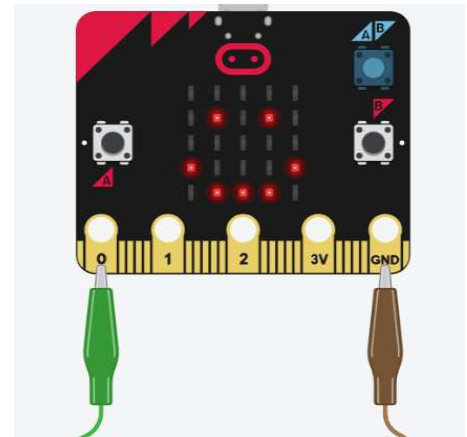## The program

Download this to your Micro:Bit.

Setting up your Micro:Bit

Connect one of your cables to Pin 0

Connect the other cable to the GND Pin

Check your program works by touching the two loose ends together – if you get the smiley face, it works!

If not, double check the wiring and the program.

The Experiment

1. Choose a material and write a prediction of whether you think the material is conductive or not.

2. Connect the cables to either end of the material.

3. If electricity can flow through the material, your Micro:Bit will show the smiley face.

4. Fill in the results table for this material

5. Reset the Micro:Bit and repeat with each material.