



MicroBlocks[®]
Small, Fast, Human Friendly

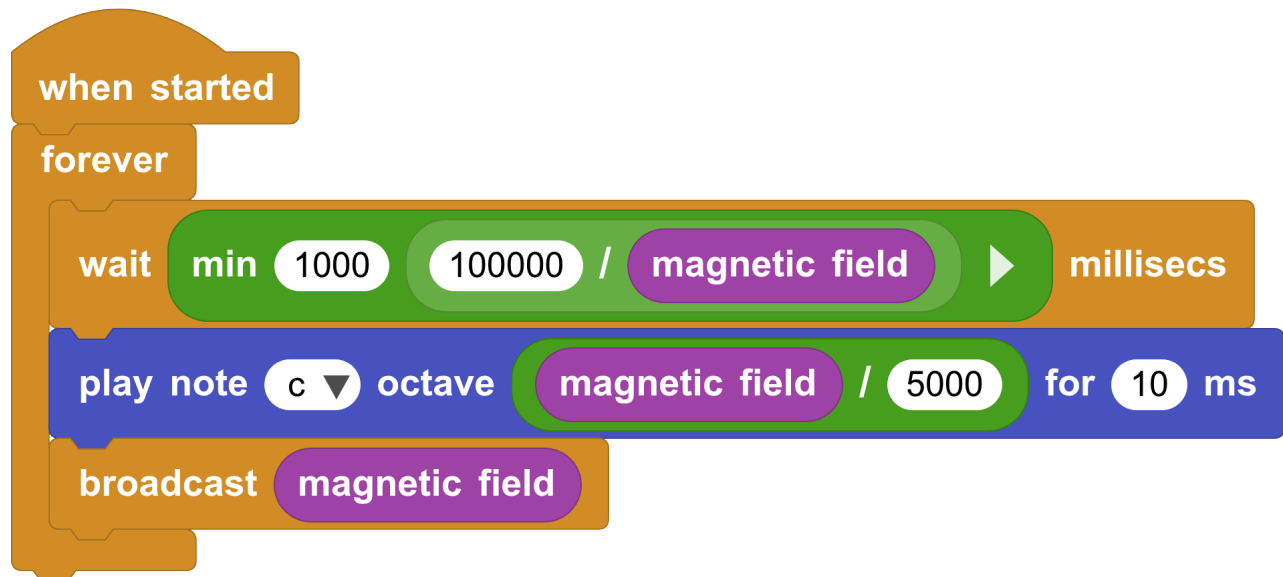


Magnetic Field

MicroBlocks

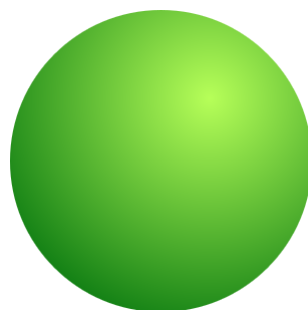
Go to <https://microblocks.fun/run/microblocks.html> and connect the micro:bit or Calliope mini 3 to the MicroBlocks IDE via BLE. You will see a green background behind the **Connect** icon when you are connected.

Make the blocks you see below using the categories **Control** and **Operators**, and from the libraries **Tone** and **Basic Sensors**. The end result should look like this:



Snap!

Go to <https://snap.berkeley.edu/snap/snap.html> and add the **MicroBlocks** library. You will get an extra category of blocks. Make a variable called **value**. Choose as the costume for your **sprite** the costume called **ball d**.





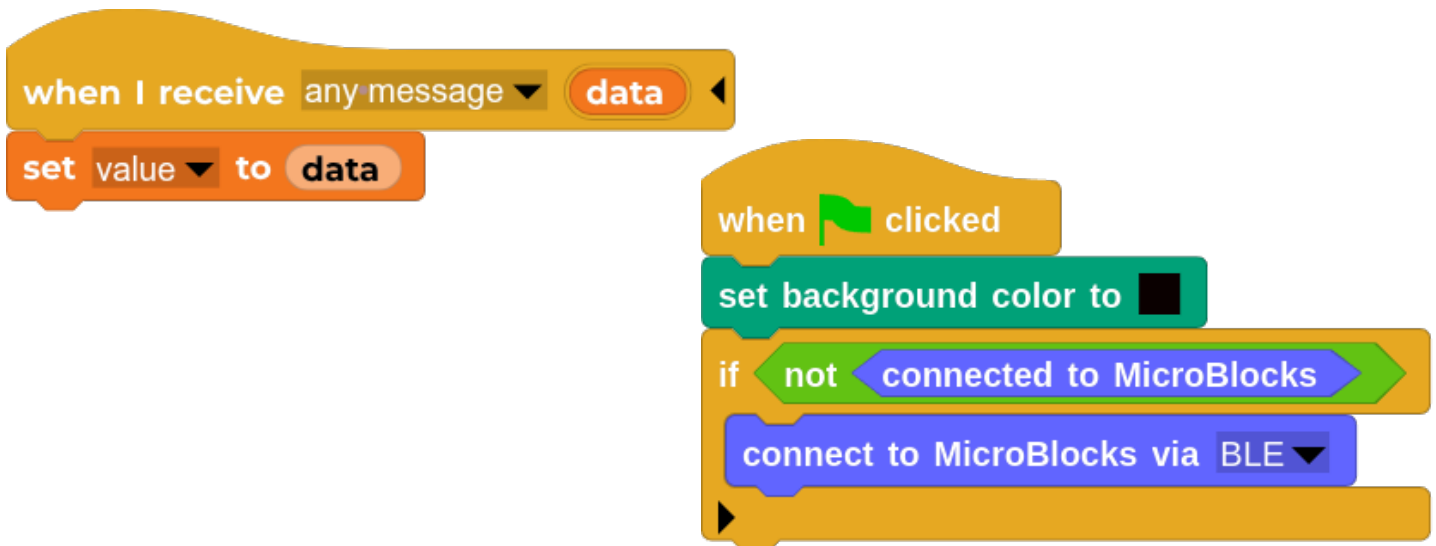
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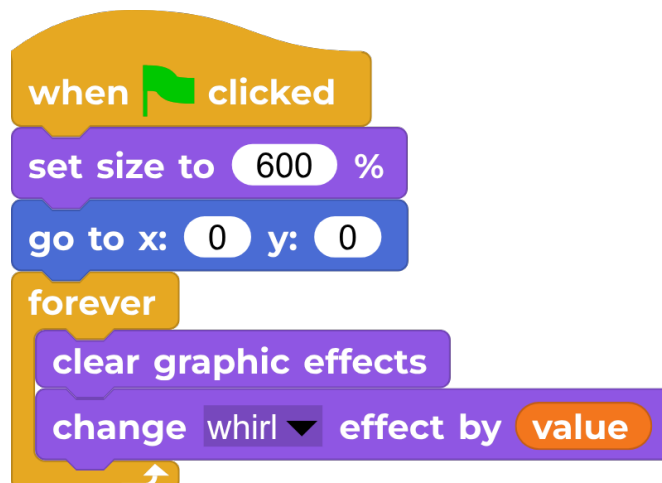
Magnetic Field

Snap!

Scripts that belong with the **background** should look like this. Make the background color as dark as possible.



Scripts that belong with the **sprite** should look like this



Press the **green flag** icon, connect to your micro:bit or Calliope Mini 3 using BLE, move your board over your laptop or your phone and see a swirling effect appear in the green orb. When do you think the swirling effect and sound coming from your board changes?