



**MicroBlocks**<sup>®</sup>  
Small, Fast, Human Friendly



# Dancing Rainbow

## 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 blocks from the **Control** category, and from the **Microphone** library. 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 **rainbow**. Edit the costume and move the crosshairs so the rotation center of the image is at the bottom.





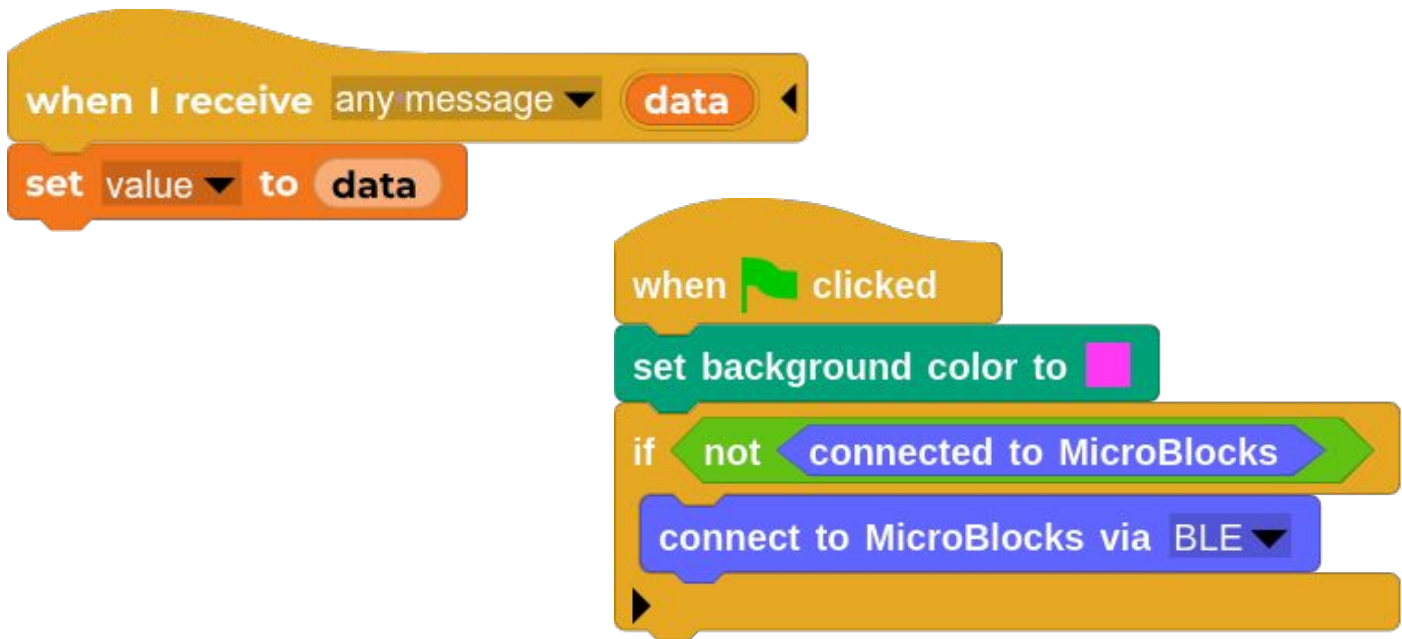
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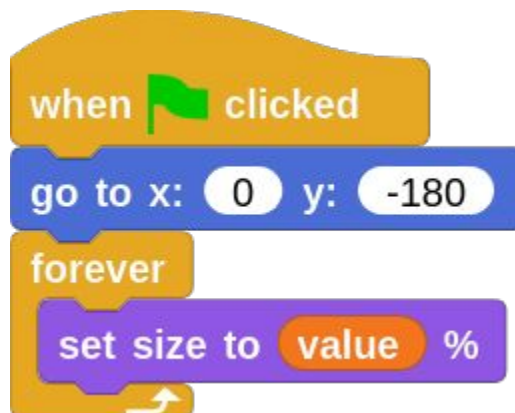
# Dancing Rainbow

## Snap!

Scripts that belong with the **background** should look like this. Make the background color pink.



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. Talk to your board and the rainbow will grow or shrink while you talk. Play some music and see what happens to the rainbow.