



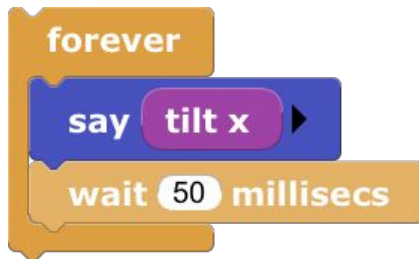
# micro:bit | Sensors 1


Connect the micro:bit to MicroBlocks.

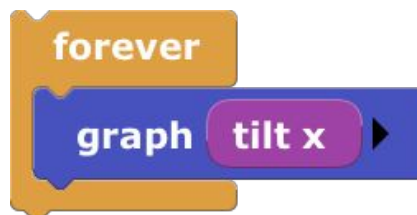


The micro:bit has many sensors built right in! They include tilt, temperature, and light sensors.

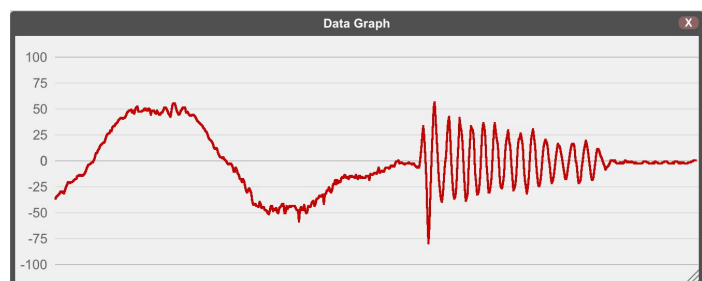
Click on a *tilt x* block by itself to see what number it is reporting once. This script will show a sensor's value continuously as it changes.



Graphing is another way to explore sensors. Start this script, then click  to see the graph.



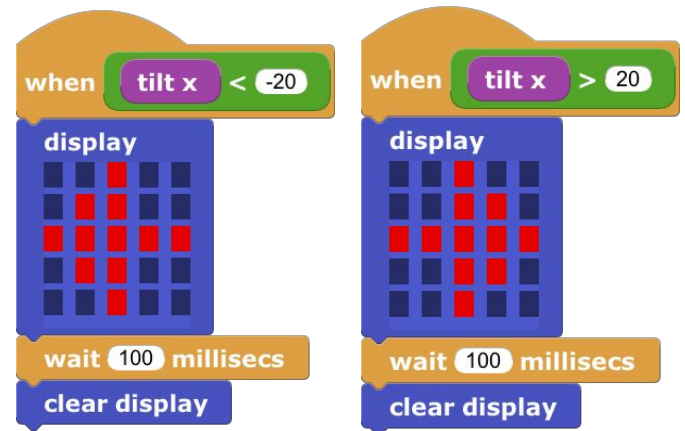
As you tilt the micro:bit, you will see the graph change. Try shaking it gently to see something like this!



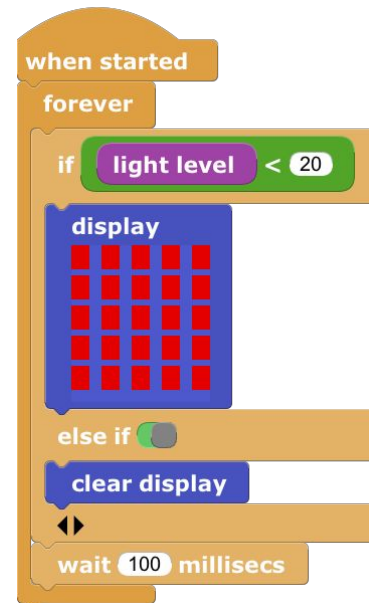


## micro:bit | Sensors 2

Try out the scripts here to change the LED display when the micro:bit is tilted.



The micro:bit also has a light sensor. The script to the right makes the LED display turn on when it gets dark. Cover the micro:bit with your hand to see how the micro:bit responds!



The micro:bit also has a built in temperature sensor. This graph shows the temperature every minute over the course of many hours. The data was collected with the micro:bit in the freezer and the USB cable leading out to the laptop.

Why do you think the temperature goes up and down?

