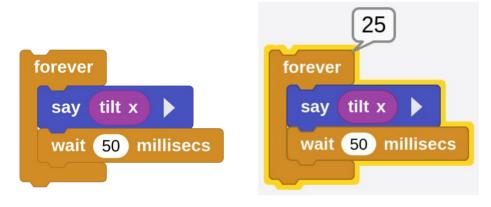


micro:bit | Sensors

Libraries: Basic Sensors LED Display Blocks from: Control Operators
Output

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

Click on a tilt x block by itself to see what number it reports. Then use this script to 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

click to see the graph.



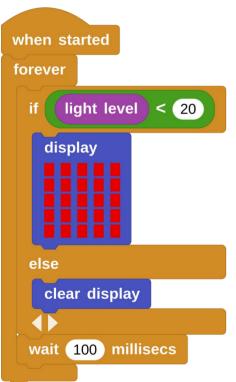
As you tilt the micro:bit, you will see the graph change. Try shaking it gently to see something like this!

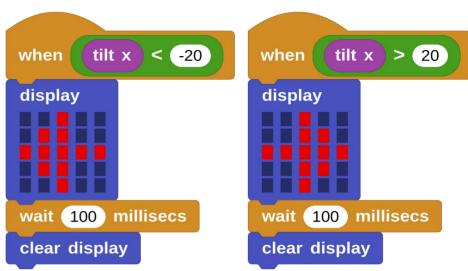




micro:bit | Sensors

These scripts change the LED display when the micro:bit is tilted.





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

The micro:bit also has a temperature sensor. This graph shows the temperature every minute over the course of many hours. The data were collected with the micro:bit in the freezer and the USB cable coming out to a laptop. Why do you think the temperature goes up and down?

