

Microbit Sensor Graphs

60 minutes

Microbit Innovators

WHAT THIS LESSON DOES

Follow this guide to explore Microbit sensors by creating a new project on the MakeCode website. Learn to display and graph light levels, then experiment with temperature, compass, and other sensors, testing each on the simulator and your device.

WHAT STUDENTS SHOULD BE ABLE TO DO

- Understand how to create a new project on makecode.microbit.org.
- Learn to display the light level on the Microbit.
- Develop skills to graph the light level and observe changes.
- Gain knowledge on graphing other sensors such as temperature, compass heading, acceleration, magnetic forces and sound level.
- Apply creativity to graph other possible values and incorporate sensor usage in different projects.

Microbit Sensor Graphs

HOW THE LESSON RUNS

Create a new project

Show light level

Graph light level

Graph other sensors

Get creative