

Innovative digital GEO-Tools for enhancing teachers' digital, green and spatial skills towards an effective STEAM Education for Sustainability Development

Geo-Academy Summer School 2025

Introduction to microbit

Rolf Niemann Lund University

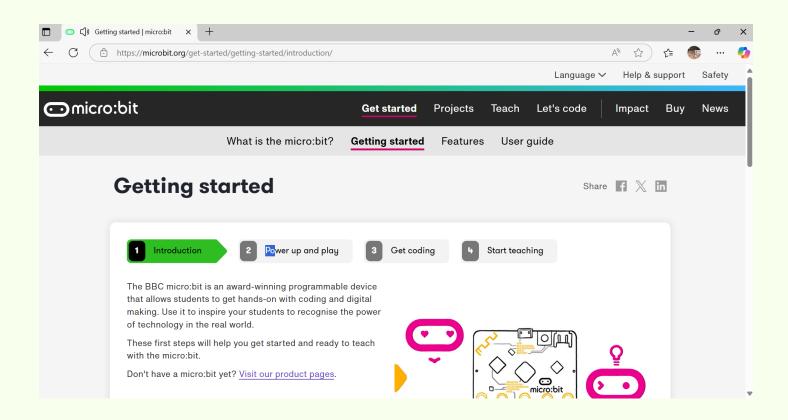






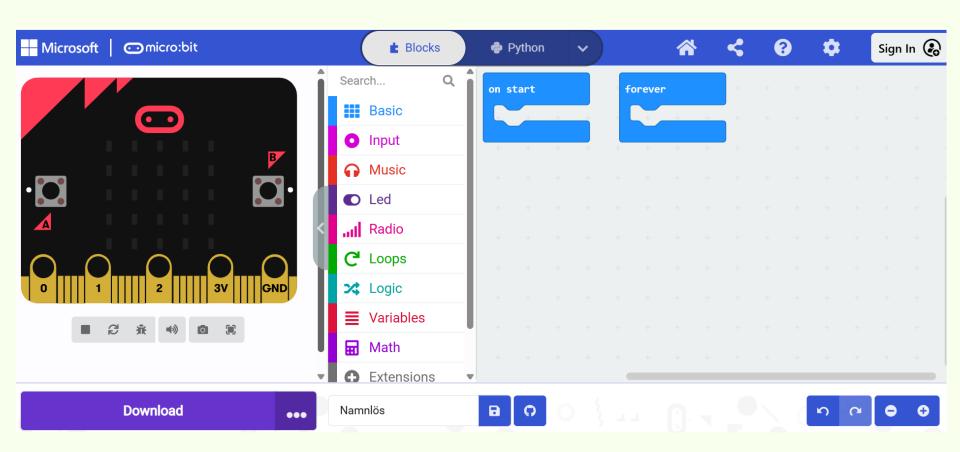
what-is-the-microbit

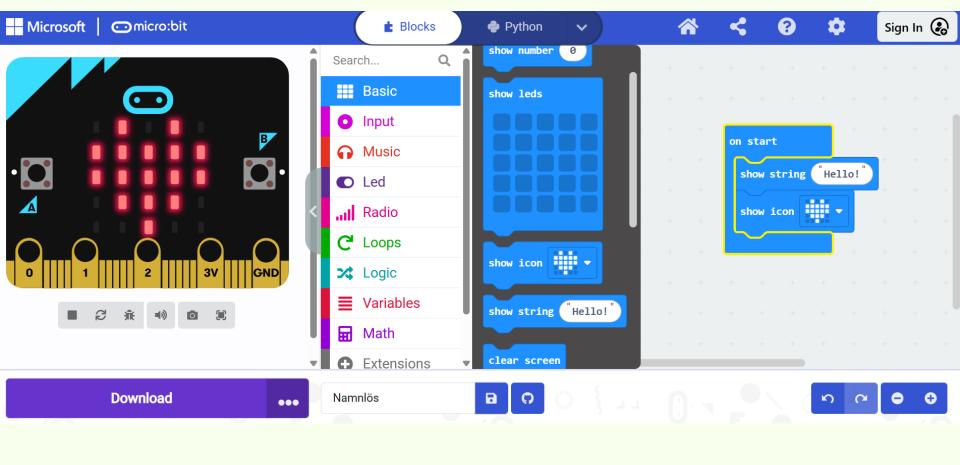
Getting started | micro:bit



New micro:bit with sound Reset and power button Microphone indicator Radio antenna Microphone USB connector Battery socket Touch logo Processor 25 LED lights Speaker 2 buttons ввс 0 micro:bit Edge connector for accessories Pin-0 Pin-1 Pin-2 Pin-3V Pin-GND Compass and accelerometer Original micro:bit Reset button USB connector Battery socket Processor 25 LED lights BBC 2 buttons ◯ micro:bit GND Edge connector for accessories Pin-0 Pin-2 Pin-3V Compass and accelerometer Pin-GND

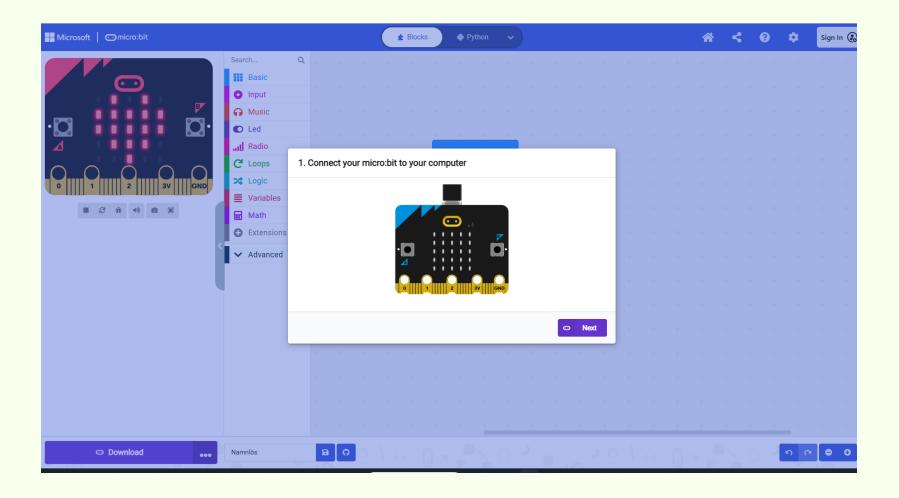
https://microbit.org/get-started/features/overview/



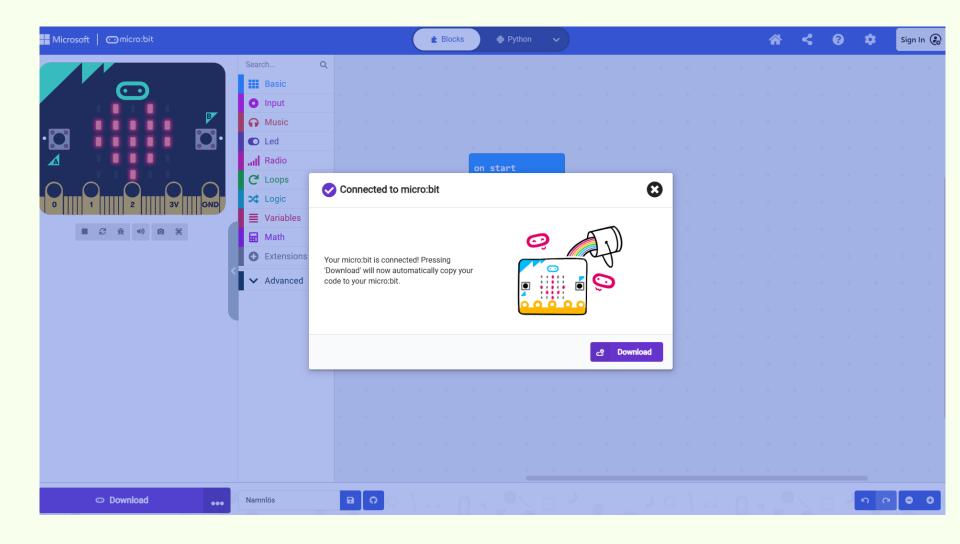


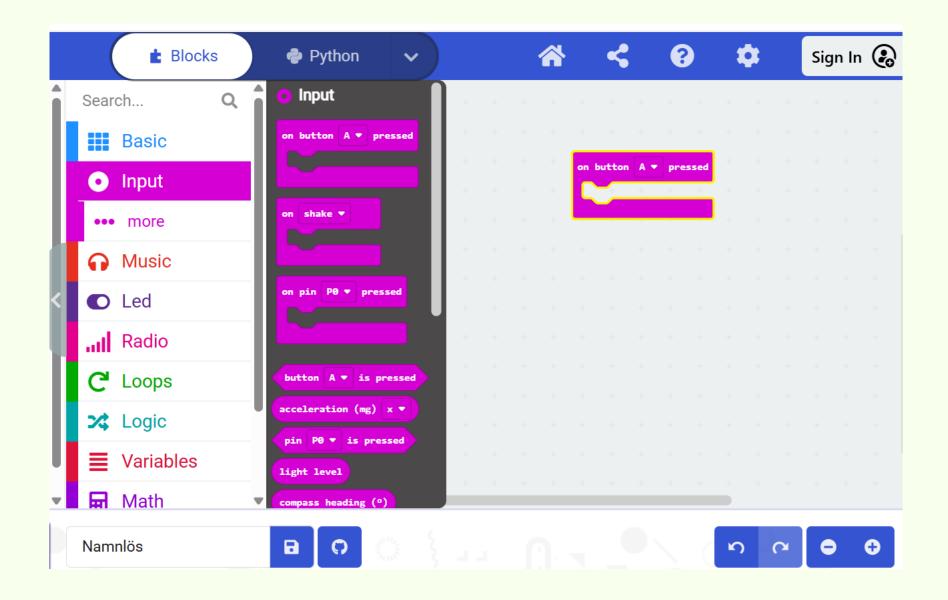


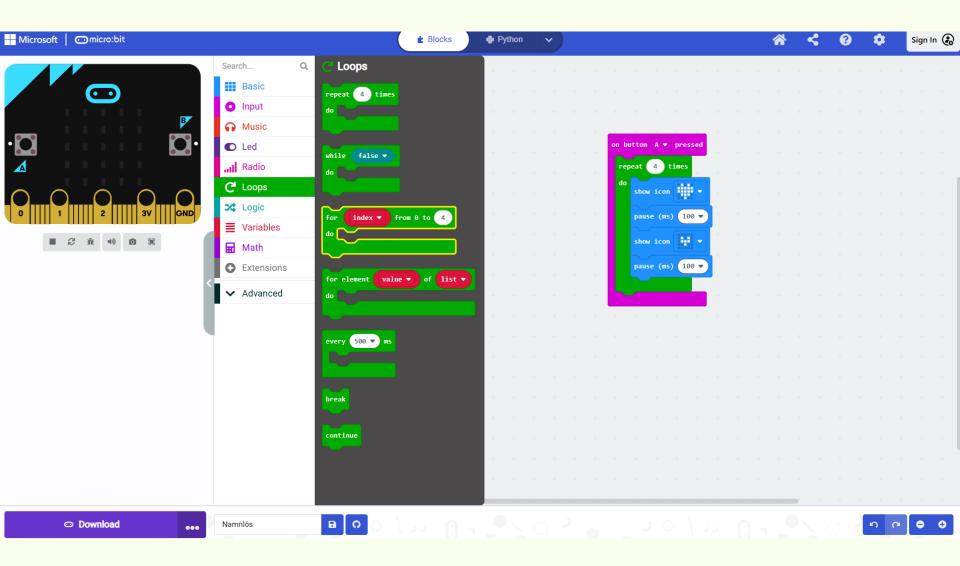
Connect your micro:bit: step 1



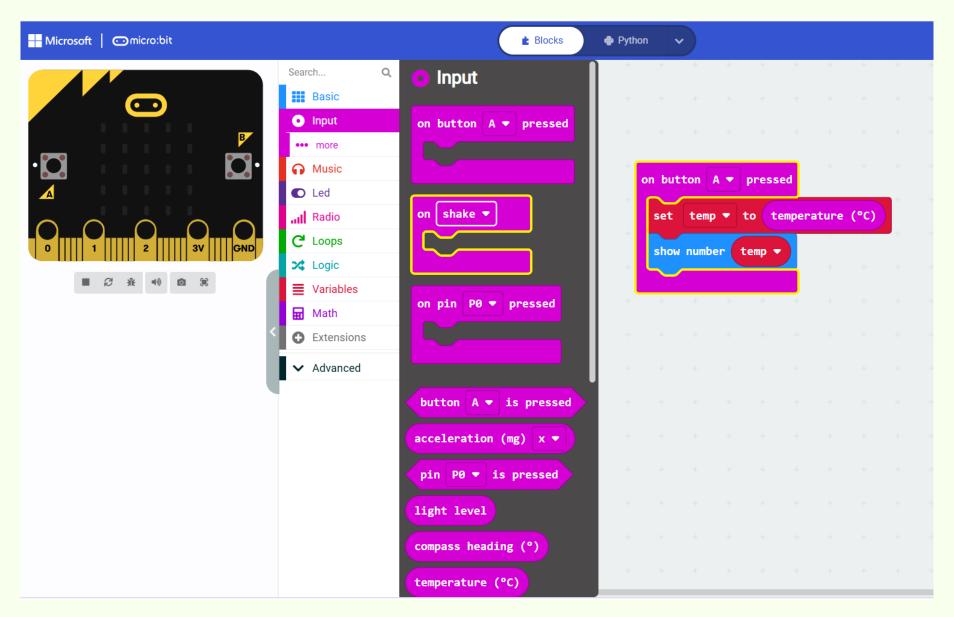
Connect your micro:bit: follow the instructions!





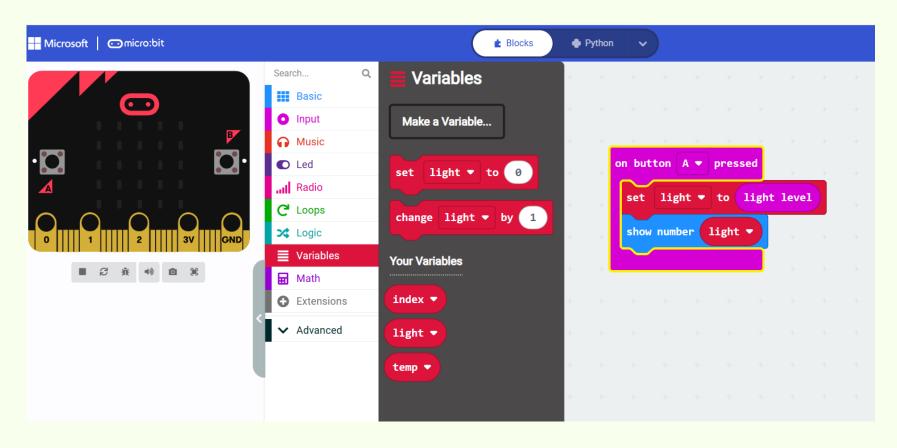


Try out the code above and make some changes. Send a heart to you collegue!

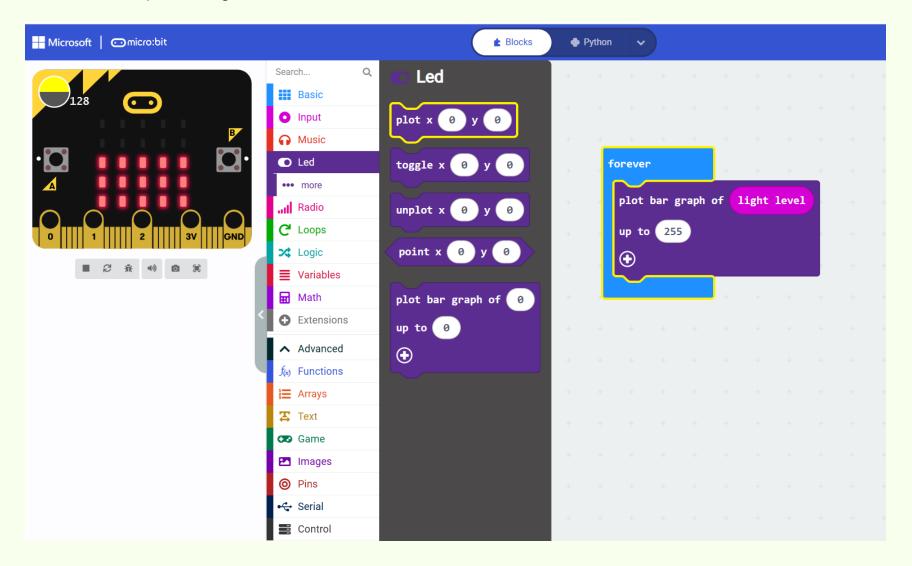


Try out the code above. Check out the temperature in the room!

Let's measure the light level!

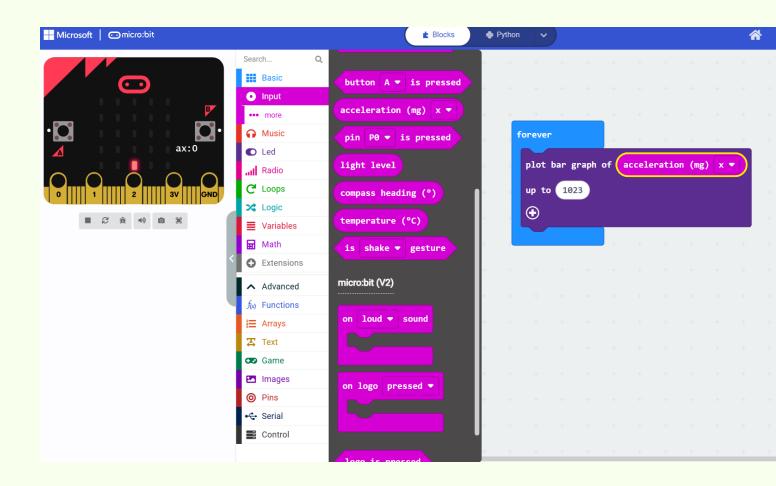


Let's plot the light level!



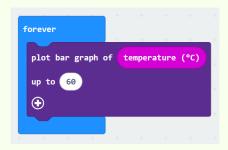
Let's check out:

Temperature Light level Acceleration compass Noise (V:2)

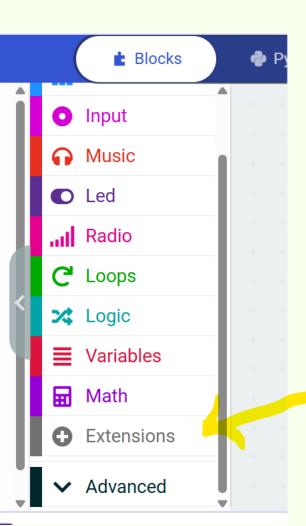


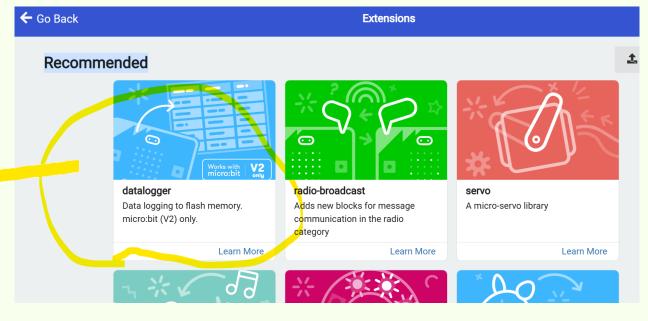












Go to the micro:bit project side and follow the instructions!

