



Product Resources & Support

LEGO® MINDSTORMS® Education EV3

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Teacher Resources - Python for EV3



Teacher Resources



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Program in Python with EV3

You can now use your EV3 Brick to unleash the power of Python programming using MicroPython. Simply install the EV3 MicroPython image onto any micro SD card and boot up your EV3 Brick from it to start programming straight away. Switching back to the standard LEGO® MINDSTORMS® EV3 firmware is just as simple. We have also provided full documentation and sample API code to get you started.

How to get started:

1. Download and flash the EV3 MicroPython image onto a micro SD card
2. Insert your micro SD card into the SD card slot on the EV3 Brick and turn it on
3. Download, install, and launch the free Visual Studio Code editor on your computer
4. Install and activate the LEGO Education EV3 extension
5. Connect the EV3 Brick to your computer and start to code

You will find a detailed description of the above steps in the EV3 MicroPython documentation PDF (link below).

MINDSTORMS EV3 Python Documentation and Firmware

EV3 MicroPython Getting Started Guide

[↓ DOWNLOAD](#)

EV3 MicroPython micro SD card image

[↓ DOWNLOAD](#)[> GO TO THE ONLINE DOCUMENTATION AND EXAMPLE PROGRAMS](#)

Getting Started (Steps 1–3)



Visual Studio Code (Steps 4–5)

