

Introduction to MicroPython

Network Startup Resource Center

nsrc.org

Integrating Resources from
O'Reilly: Programming with MicroPython
C H Swaroop: A Byte of Python



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Why Python?

- Easy to learn
- Widely used
- Easy to write what you mean
- Global community



What's MicroPython?

- An implementation of Python 3
- Designed for constrained resources
- Runs directly on hardware!
 - No operating system required



How does it work?

- Upload code to a device
- Turn the device on
- If you name a script “main.py” it runs!
- No PC-connection is required



Or Use the Command Line

- Connect with a PC via USB serial
- Control-C to stop a running script
- You have a Python Prompt!
- `>>>print("Hello, World!")`
 - Hello, World!



What will we learn?

- Basics
- Operators & Expressions
- Control Flow

