Microcontroller Programming

https://www.youtube.com/watch?v=7bZg\_GzUbHI&t=240s

Testing Board Features

* 5V power supply
* Power Indicator LED
* OSC Circuitry (if needed)
* Reset Button
* ICSP Programming Port

Parts List

* Pic kit 4
* Breadboard
* Microcontroller
* Capacitors 100uf, 50 uf, 10pf x2
* Voltage Regulator LM7805 5 volts regulator
* LED
* Resistors: 100k, 10k
* Button
* 16MHz Ocillator

Software

* IDE: MPLABX
* Compiler: XCB
* Loader: MPLAB IPE