

Parts for Micro Lab

To Work through the Book

- Raspberry Pi Pico W, \$6.00, <https://www.sparkfun.com/products/20173>
- Raspberry Pi Pico Headers Kit, \$1.50, <https://www.sparkfun.com/products/17907>
- Single color LED assortment (500), \$11.99, <https://www.amazon.com/BOJACK-Lighting-Electronics-Components-Emitting/dp/B09XDMJ6KY/>
- Buzzer, \$0.95, <https://www.adafruit.com/product/1536>
- PIR Sensors, \$9.49 for five, <https://www.amazon.com/DIYmall-HC-SR501-Infrared-Sensor-Arduino/dp/B07CSM3K63>
- 1602 LCD Display Module, \$9.99 for two, <https://www.amazon.com/dp/B0BCWFB5P3>
- Temperature sensors, 13.99 for five, <https://www.amazon.com/dp/B01GH32AQU>
- 10 kOhm potentiometers, \$8.99 for 24, <https://www.amazon.com/Potentiometer-Breadboard-Resistors-Assortment-Compatible/dp/B09L5MGNFZ/>
- NeoPixel Stick, \$5.95, <https://www.adafruit.com/product/1426>
- Half breadboards, \$5.00, <https://www.adafruit.com/product/4539>

Common Supplies

- 2 x Hook-up Wire Set, \$15.95, <https://www.adafruit.com/product/1311>
- 3 x Wire Strippers, \$8.83, <https://www.amazon.com/Miller-Stripper-Stripping-Professional-Technicians/dp/B09QH3K4CK>
- 3 x Extra Pico W's. \$22.50

Total Cost \$72.06

Cost for Seven Kits to Start

Item	Cost for 7
Raspberry Pi Pico W	\$42.00
Raspberry Pi Pico Headers Kit	\$10.50
Single color LED's	\$11.99
Buzzers	\$7.00

Item	Cost for 7
PIR Sensors	\$21.00
Display Modules	\$39.96
Temperature sensors	\$27.98
10k Potentiometers	\$8.99
NeoPixel sticks	\$41.65
Breadboards	\$35.00
Total	\$246.07 + shipping

Total \$318.13 + shipping