

Item	Arduino & NodeMCU (ESP8266)	Raspberry Pi
3.5mm Breakout (Stereo Audio, Data, etc.)		
3.5mm Cable (Stereo Audio, Data, etc.)		
555 Timer	http://www.555-timer-circuits.com/	
595 Shift Register	https://www.sunfounder.com/learn/rfid-kit-v2-0-for-arduino/lesson-20-driving-7-segment-display-by-74hc595-rfid-v2-0-for-arduino.html	https://www.sunfounder.com/learn/Super_Kit_V2_for_RaspberryPi/lesson-11-driving-7-segment-display-by-74hc595-super-kit-for-raspberrypi.html
7 Segment Display (Double Digit)	https://www.sunfounder.com/learn/rfid-kit-v2-0-for-arduino/lesson-20-driving-7-segment-display-by-74hc595-rfid-v2-0-for-arduino.html	https://www.sunfounder.com/learn/Super_Kit_V2_for_RaspberryPi/lesson-11-driving-7-segment-display-by-74hc595-super-kit-for-raspberrypi.html
7 Segment Display (Quadruple Digit)	https://www.sunfounder.com/learn/rfid-kit-v2-0-for-arduino/lesson-20-driving-7-segment-display-by-74hc595-rfid-v2-0-for-arduino.html	https://www.sunfounder.com/learn/Super_Kit_V2_for_RaspberryPi/lesson-11-driving-7-segment-display-by-74hc595-super-kit-for-raspberrypi.html
7 Segment Display (Single Digit)	https://www.sunfounder.com/learn/rfid-kit-v2-0-for-arduino/lesson-20-driving-7-segment-display-by-74hc595-rfid-v2-0-for-arduino.html	https://www.sunfounder.com/learn/Super_Kit_V2_for_RaspberryPi/lesson-11-driving-7-segment-display-by-74hc595-super-kit-for-raspberrypi.html
Accelerometer (3 Axis) + Gyroscope Module (MPU-6050)	https://diyhacking.com/arduino-mpu-6050-imu-sensor-tutorial/	https://www.sunfounder.com/learn/category/sensor-kit-v2-0-for-raspberry-pi-b-plus.html
Acer Predator Helios 300 Gaming Laptop		
Amazon Echo Dot		https://developer.amazon.com/echo
Analog-Digital Converter (PCF8591, I2C, CMOS data acquisition)	https://www.sunfounder.com/learn/Sensor-Kit-v2-0-for-Arduino/lesson-33-analog-digital-converter-sensor-kit-v2-0-for-arduino.html	https://www.sunfounder.com/learn/category/sensor-kit-v2-0-for-raspberry-pi-b-plus.html
Arduino Breadboard Shield		
Arduino Color Touch Screen, with Stylus	https://learn.adafruit.com/2-8-fft-touch-shield/overview	
Arduino Mega 2560	https://www.arduino.cc/en/Guide/ArduinoMega2560	
Arduino Power Supply, 9v Battery		
Arduino Uno	https://www.arduino.cc/en/Guide/ArduinoUno	
Barometer Module	https://www.sunfounder.com/learn/category/Sensor-Kit-v2-0-for-Arduino.html	https://www.sunfounder.com/learn/category/sensor-kit-v2-0-for-raspberry-pi-b-plus.html
Beaglebone Green Wireless Development Board		https://beagleboard.org/support/bone101
Button (Part)		
Button Module	https://www.sunfounder.com/learn/category/Sensor-Kit-v2-0-for-Arduino.html	https://www.sunfounder.com/learn/category/sensor-kit-v2-0-for-raspberry-pi-b-plus.html
Buzzer Module, Active	https://www.sunfounder.com/learn/category/Sensor-Kit-v2-0-for-Arduino.html	https://www.sunfounder.com/learn/category/sensor-kit-v2-0-for-raspberry-pi-b-plus.html
Buzzer Module, Passive	https://www.sunfounder.com/learn/category/Sensor-Kit-v2-0-for-Arduino.html	https://www.sunfounder.com/learn/category/sensor-kit-v2-0-for-raspberry-pi-b-plus.html
Buzzer, Active (Part)		
Buzzer, Passive (Part)		
Color Sensor	https://www.sunfounder.com/learn/category/Sensor-Kit-v2-0-for-Arduino.html	https://www.sunfounder.com/learn/category/sensor-kit-v2-0-for-raspberry-pi-b-plus.html
DC Motor, Small	https://learn.adafruit.com/adafruit-arduino-lesson-13-dc-motors/overview	https://learn.adafruit.com/adafruit-raspberry-pi-lesson-9-controlling-a-dc-motor/overview
Digital Temperature Sensor Module (DS18B20)	https://www.sunfounder.com/learn/category/Sensor-Kit-v2-0-for-Arduino.html	https://www.sunfounder.com/learn/category/sensor-kit-v2-0-for-raspberry-pi-b-plus.html
EKG arduino shield kit		
ESP8266 NodeMCU Boards	https://en.wikipedia.org/wiki/NodeMCU	
Ethernet to USB		
Flame Sensor Module	https://www.sunfounder.com/learn/category/Sensor-Kit-v2-0-for-Arduino.html	https://www.sunfounder.com/learn/category/sensor-kit-v2-0-for-raspberry-pi-b-plus.html
Gas Sensor Module	https://www.sunfounder.com/learn/category/Sensor-Kit-v2-0-for-Arduino.html	https://www.sunfounder.com/learn/category/sensor-kit-v2-0-for-raspberry-pi-b-plus.html
Google Cardboard	https://vr.google.com/cardboard/developers/	
Google Home Mini	https://developers.google.com/actions/	
Hall Sensor Module, Analog	https://www.sunfounder.com/learn/category/Sensor-Kit-v2-0-for-Arduino.html	https://www.sunfounder.com/learn/category/sensor-kit-v2-0-for-raspberry-pi-b-plus.html
Hall Sensor Module, Digital	https://www.sunfounder.com/learn/category/Sensor-Kit-v2-0-for-Arduino.html	https://www.sunfounder.com/learn/category/sensor-kit-v2-0-for-raspberry-pi-b-plus.html
HDMI Cable		
HDMI to DVI Cable		
HDMI to VGA Adapter		
Humidity Sensor Module	https://www.sunfounder.com/learn/category/Sensor-Kit-v2-0-for-Arduino.html	https://www.sunfounder.com/learn/category/sensor-kit-v2-0-for-raspberry-pi-b-plus.html
Inductor - 10 mH (Part)		
Inductor - 2.2 µH (Part)		
IR Obstacle Avoidance Module	https://www.sunfounder.com/learn/category/Sensor-Kit-v2-0-for-Arduino.html	https://www.sunfounder.com/learn/category/sensor-kit-v2-0-for-raspberry-pi-b-plus.html
IR Receiver Modules w/ Remote Control	https://learn.sparkfun.com/tutorials/ir-communication	https://www.sunfounder.com/learn/sensor-kit-v2-0-for-raspberry-pi-b-plus/lesson-23-ir-remote-control-sensor-kit-v2-0-for-b-plus.html
IR Tracking Sensor Module	https://www.sunfounder.com/learn/category/Sensor-Kit-v2-0-for-Arduino.html	https://www.sunfounder.com/learn/category/sensor-kit-v2-0-for-raspberry-pi-b-plus.html
Joystick	https://www.sunfounder.com/learn/category/Sensor-Kit-v2-0-for-Arduino.html	https://www.sunfounder.com/learn/category/sensor-kit-v2-0-for-raspberry-pi-b-plus.html
Kinect, Microsoft	https://developer.microsoft.com/en-us/windows/kinect	
Laser Emitter Module	https://www.sunfounder.com/learn/category/Sensor-Kit-v2-0-for-Arduino.html	https://www.sunfounder.com/learn/category/sensor-kit-v2-0-for-raspberry-pi-b-plus.html
LCD Display (I2C, LCD1602)	https://www.sunfounder.com/learn/category/Sensor-Kit-v2-0-for-Arduino.html	https://www.sunfounder.com/learn/category/sensor-kit-v2-0-for-raspberry-pi-b-plus.html
LED, Auto-flashing Module		
LED, Dual Color Module		
LED, RGB Module	https://www.sunfounder.com/learn/category/universal-kit-for-Arduino.html	https://www.sunfounder.com/learn/category/sensor-kit-v2-0-for-raspberry-pi-b-plus.html
Mercury Switch Module	https://www.sunfounder.com/learn/category/Sensor-Kit-v2-0-for-Arduino.html	https://www.sunfounder.com/learn/category/sensor-kit-v2-0-for-raspberry-pi-b-plus.html
MicroSD to SD Adapter		
MicroSD USB Reader		
MyoWare Muscle Sensor	https://github.com/AdvancerTechnologies/MyoWare_MuscleSensor	https://raspberrypi.stackexchange.com/questions/78276/taking-input-from-a-myoware-muscle-sensor-with-a-raspberry-pi-zero
Oculus Rift Kit		
Photo-interrupter	https://www.sunfounder.com/learn/category/Sensor-Kit-v2-0-for-Arduino.html	https://www.sunfounder.com/learn/category/sensor-kit-v2-0-for-raspberry-pi-b-plus.html
Photoresistor (Part)		
Photoresistor Module	https://learn.sparkfun.com/tutorials/sik-experiment-guide-for-arduino---v32/experiment-6-reading-a-photoresistor	https://www.sunfounder.com/learn/category/sensor-kit-v2-0-for-raspberry-pi-b-plus.html
Pi Zero Kit		https://www.raspberrypi.org/products/raspberry-pi-zero/
Potentiometer - 10 kΩ (Part)		
Potentiometer Module	https://www.sunfounder.com/learn/category/Sensor-Kit-v2-0-for-Arduino.html	https://www.sunfounder.com/learn/category/sensor-kit-v2-0-for-raspberry-pi-b-plus.html
Pyroelectric Infrared (PIR) Motion Sensor	https://learn.adafruit.com/pir-passive-infrared-proximity-motion-sensor/using-a-pir	https://diyhacking.com/raspberry-pi-gpio-control/
Rain / Liquid Water Detection Module	https://www.sunfounder.com/learn/category/Sensor-Kit-v2-0-for-Arduino.html	https://www.sunfounder.com/learn/category/sensor-kit-v2-0-for-raspberry-pi-b-plus.html
Raspberry Pi 3	https://www.raspberrypi.org/products/raspberry-pi-3-model-b/	
Raspberry Pi Camera Module	https://www.raspberrypi.org/products/camera-module-v2/	
Raspberry Pi Power Supply		
Raspberry Pi Touchscreen Display		https://github.com/raspberrypi/documentation/tree/master/hardware/display
Real Time Clock Module (DS1302)	https://www.sunfounder.com/learn/category/Sensor-Kit-v2-0-for-Arduino.html	https://www.sunfounder.com/learn/category/sensor-kit-v2-0-for-raspberry-pi-b-plus.html
Reed Switch	https://www.sunfounder.com/learn/category/Sensor-Kit-v2-0-for-Arduino.html	https://www.sunfounder.com/learn/category/sensor-kit-v2-0-for-raspberry-pi-b-plus.html
Relay (Part)		
Relay Module	https://www.sunfounder.com/learn/category/From-Knowing-To-Utilizing-Kit-V1-0-for-Arduino.html	https://www.sunfounder.com/learn/sensor-kit-v2-0-for-raspberry-pi-b-plus/lesson-4-relay-module-sensor-kit-v2-0-for-b-plus.html
Robotics Kit		https://sites.google.com/stonybrook.edu/robotics-challenge/home
Rotary Encoder Module	https://www.sunfounder.com/learn/category/Sensor-Kit-v2-0-for-Arduino.html	https://www.sunfounder.com/learn/category/sensor-kit-v2-0-for-raspberry-pi-b-plus.html
Servo motors (SG90)	http://www.elegoo.com/tutorial/Elegoo%20Super%20Starter%20Kit%20for%20UNO%2011.7.zip	https://learn.adafruit.com/adafruit-16-channel-pwm-servo-hat-for-raspberry-pi/
Sound Sensor	https://www.sunfounder.com/learn/category/Sensor-Kit-v2-0-for-Arduino.html	https://www.sunfounder.com/learn/category/sensor-kit-v2-0-for-raspberry-pi-b-plus.html
Stepper Motor + ULN2003 Stepper Motor Driver Board	http://www.elegoo.com/tutorial/Elegoo%20Super%20Starter%20Kit%20for%20UNO%2011.7.zip	
Teensy LC Development Board		https://www.pjrc.com/teensy/teensyLC.html
Temperature Sensor Module, Analog	https://www.sunfounder.com/learn/category/Sensor-Kit-v2-0-for-Arduino.html	https://www.sunfounder.com/learn/category/sensor-kit-v2-0-for-raspberry-pi-b-plus.html
Temperature Sensor Module, Digital (DS18B20)	https://www.sunfounder.com/learn/category/Sensor-Kit-v2-0-for-Arduino.html	https://www.sunfounder.com/learn/category/sensor-kit-v2-0-for-raspberry-pi-b-plus.html
Thermistor (Part)		
Thermistor Module	https://learn.adafruit.com/thermistor/using-a-thermistor	http://www.paulschow.com/2013/08/monitoring-temperatures-using-raspberry.html
Tilt Switch (Part)		
Tilt Switch Module	https://www.sunfounder.com/learn/category/Sensor-Kit-v2-0-for-Arduino.html	https://www.sunfounder.com/learn/category/sensor-kit-v2-0-for-raspberry-pi-b-plus.html
Touch Switch Module	https://www.sunfounder.com/learn/category/Sensor-Kit-v2-0-for-Arduino.html	https://www.sunfounder.com/learn/category/sensor-kit-v2-0-for-raspberry-pi-b-plus.html
Tracking Sensor	https://www.sunfounder.com/learn/category/Sensor-Kit-v2-0-for-Arduino.html	https://www.sunfounder.com/learn/category/sensor-kit-v2-0-for-raspberry-pi-b-plus.html
Transistor - NPN		https://learn.sparkfun.com/tutorials/transistors/all
Ultrasonic Ranging (Part)		
Ultrasonic Ranging Module	https://www.sunfounder.com/learn/category/Sensor-Kit-v2-0-for-Arduino.html	https://www.sunfounder.com/learn/category/sensor-kit-v2-0-for-raspberry-pi-b-plus.html
USB Micro B for Raspberry Pi		
LED Various Colors (Part)		
Jumper Wires, Various (Part)		
Resistors, Various (Part)		