



SparkFun Inventor's Kit for Photon

Hardware Parts Check

Ensure that you have gone through your kit to familiarize yourself with parts provided. Additional Raspberry pi and cables added. You may need to check the web site to identify what each of the parts are.

# of	Part Description	Check 1	Check 2
1	SparkFun Photon RedBoard		
1	Arduino and Breadboard Holder		
1	White Solderless Breadboard		
1	Pocket Screwdriver Set		
1	Small Servo		
1	9V Alkaline Battery		
1	9V to Barrel Jack Adapter		
1	USB microB Cable - 6 Foot		
20	Male to Male Jumper Wires		
10	male to female Jumper Wires		
1	JST Right Angle Connector		
1	SparkFun Soil Moisture Sensor		
1	SparkFun Micro OLED Breakout		
1	SparkFun Triple Axis Accelerometer Breakout		
1	PIR Motion Sensor (JST)		
1	RHT03 Humidity and Temperature Sensor		
1	Magnetic Door Switch Set		
1	Photocell		
20	Red, Blue, Yellow, and Green LEDs (5 each)		
4	Red, Blue, Yellow, and Green Tactile Buttons		
1	10K Trimpot		
1	Piezo Speaker		
20	330 Ohm Resistors		
1	Rasp Pi B Rev2 controller board		
1	DVI to HDMI cable		
1	USB to Micro cable		

Print

Sign

Student Name and Signature:

Completed Check Date _____ Teacher Confirmation _____

Keep tracking sheet with kit for later check when projects are finished. Take care of your components and handle with care, remember how sensitive electronics can be!



Part Descriptions Research:

For the following electronic components also found in the Sparkfun kit, **describe in general what it is and its purpose/function.** (2 marks each)

1. SparkFun Photon RedBoard

a. _____

2. Solderless Breadboard

a. _____

3. Servo

a. _____

4. Micro OLED Breakout

a. _____

5. Triple Axis Accelerometer Breakout

a. _____

6. PIR Motion Sensor (JST)

a. _____

7. Photocell

a. _____

8. Trimpot

a. _____

9. Piezo Speaker

a. _____

10. LED

a. _____
