

# BlueStamp Engineering Student Bill of Materials (BOM)

Please fill this out for all parts that will be required for your project.

If you cannot find information, move on and ask your instructor when emailing this to them.

Item #	Description	Vendor	Part Number	Qty	Unit Cost	Total Cost	Link to Where to Purchase
1	Amazon Echo Dot	Amazon		1	39.99	39.99	<a href="https://www.amazon.com/Amazon-Echo-Dot-Portable-Bluetooth-Speaker-with-Alexa-Black/dp/B01DFKC2SO/ref=sr_1_1?s=electronics&amp;ie=UTF8&amp;qid=1529129825&amp;sr=1-1&amp;keywords=Amazon+Echo+Dot">https://www.amazon.com/Amazon-Echo-Dot-Portable-Bluetooth-Speaker-with-Alexa-Black/dp/B01DFKC2SO/ref=sr_1_1?s=electronics&amp;ie=UTF8&amp;qid=1529129825&amp;sr=1-1&amp;keywords=Amazon+Echo+Dot</a>
2	DHT22 Tempera	Adafruit	385	1	9.95	9.95	<a href="https://www.adafruit.com/product/385">https://www.adafruit.com/product/385</a>
3	Particle Spark C+	Amazon		1	26.95	26.95	<a href="https://www.amazon.com/SparkFun-13774-Particle-Photon-Headers/dp/B078MXF7HZ/ref=sr_1_1?ie=UTF8&amp;qid=1528506189&amp;sr=8-1&amp;keywords=Particle+Spark+Core">https://www.amazon.com/SparkFun-13774-Particle-Photon-Headers/dp/B078MXF7HZ/ref=sr_1_1?ie=UTF8&amp;qid=1528506189&amp;sr=8-1&amp;keywords=Particle+Spark+Core</a>
4	LED (generic) on Sparkfun		9590	2	0.35	0.7	<a href="https://www.sparkfun.com/products/9590">https://www.sparkfun.com/products/9590</a> <a href="https://www.sparkfun.com/products/9592">https://www.sparkfun.com/products/9592</a>
5	Resistor 220 ohm	Mouser		1	0.1	0.1	<a href="https://www.mouser.com/ProductDetail/Vishay/CRCW0805220RFKEAC?qs=sGAEpiMZZMukHu%252bc5I7Yc9NSHzGyJyZlloHSBJIA3M%3d">https://www.mouser.com/ProductDetail/Vishay/CRCW0805220RFKEAC?qs=sGAEpiMZZMukHu%252bc5I7Yc9NSHzGyJyZlloHSBJIA3M%3d</a>
MODIFICATIONS:							
1	Neopixel lights			1	\$4.95	4.95	<a href="https://www.adafruit.com/product/1938">https://www.adafruit.com/product/1938</a>
2	Raspberry 2 model B			1	42.95	42.95	<a href="https://www.amazon.com/Raspberry-PI-Model-Desktop-Linux/dp/B00T2U7R7I">https://www.amazon.com/Raspberry-PI-Model-Desktop-Linux/dp/B00T2U7R7I</a>
3	Raspberry Pi Camera Module			1	25.58	25.58	<a href="https://www.amazon.com/Raspberry-Pi-Camera-Module-Megapixel/dp/B01ER2SKFS">https://www.amazon.com/Raspberry-Pi-Camera-Module-Megapixel/dp/B01ER2SKFS</a>
4	Logic Level Shifter			1	2.95	2.95	<a href="https://www.sparkfun.com/products/12009">https://www.sparkfun.com/products/12009</a>
5	5V Power Supply			1	25.99	25.99	<a href="https://www.amazon.com/ALITOVE-Transformer-Converter-5-5x2-1mm-100V-240V/dp/B01LXN7MN3/ref=sr_1_8?ie=UTF8&amp;qid=1532710363&amp;sr=8-8&amp;keywords=5v+power+supplies">https://www.amazon.com/ALITOVE-Transformer-Converter-5-5x2-1mm-100V-240V/dp/B01LXN7MN3/ref=sr_1_8?ie=UTF8&amp;qid=1532710363&amp;sr=8-8&amp;keywords=5v+power+supplies</a>