

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
	breakout						
1	RGB LEDs	SparkFun	type WS2812	20	\$3.95	\$7.90	https://www.sparkfun.com/products/13667
2	Microcontroller	AdaFruit	Flora	1	\$14.95	\$14.95	https://www.adafruit.com/product/659
3	Microphone	SparkFun		1	\$5.95	\$5.95	https://www.sparkfun.com/products/12758
4	3.7 - 5 V Batt	Amazon		1	\$13.99	\$13.99	https://www.amazon.com/Smallest-Lightest-RAVPower-Technology-more-Black/dp/B00ZYZBA1Z/ref=pd_sim_107_2?ie=UTF8&dpID=31Jb3XG05JL&dpSfcr=sims&preST=AC_UL160_SRI60%2C160_&refRID=1JVCOW29A1ARV2858V8Z
5	Flexible wire	AdaFruit	silicone or PV	1	\$0.75	\$0.75	https://www.adafruit.com/product/2051
6	HeatShrink	HeatShrink		1	\$0.41/foot	\$0.41	https://www.heatshrink.com/heat_shrink_tubing/bz_spl.asp
7	Male jumper	Amazon		3	\$9.99	\$9.99	https://www.amazon.com/Aketeck-Jumper-Wires-Premium-Female/dp/B01M1E1UAF/ref=sr_1_1_sspa?s=electronics&ie=UTF8&qid=1527087620&sr=1-1_sspa?s=electronics&keywords=female-jumper-wire&psc=1&smid=A3H158HVH8GDB8
8	Female jumper	Amazon		3	\$7.49	\$7.49	https://www.amazon.com/RGBZONE-320pcs-Multicolored-Dupont-Breadboard/dp/B008MRZ5H8
9	10 cm sticky-tape	Amazon		1	\$12.99	\$12.99	https://www.amazon.com/Approx-Adhesive-Strips-Sticky-Fastener/dp/B01JA128Q4U
10	1/4 Eyelets	Amazon		20	\$6.67	\$6.67	https://www.amazon.com/Grommets-Eyelets-Clothes-Leather-Camvas/dp/B0060L4IX
11	Soldering Iron	Home Depot		1	\$18.34	\$18.34	https://www.homedepot.com/p/Hakko-60-Watt-Red-Soldering-Iron-503E-V12ED-P/2042159577MERCHANT_rr--204195328--204215957--N
12	Solder Wire	Amazon		1	\$3.59	\$3.59	https://www.amazon.com/massmall-Solder-Electrical-Soldering-0-0119inches/dp/B012CF1F4U/ref=br_fm_v?eaatq2xwwe_tit1_encoding=UTF8&s=hi
					Total Cost:	\$103.02	