

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	Cost	Link to Where to Purchase	Received
1	Elegoo 2560 (Arduino Mega clone)	Amazon	Atmega2560-16au	1	\$14.86	https://www.amazon.com/dp/B01H	Yes
2	16x16 RGB Matrix	Amazon		1	\$35.58	https://www.amazon.com/gp/produ	Yes
3	3" Speaker Driver	Amazon	TC8FD00	2	\$22.08	https://www.amazon.com/Peerless	Yes
4	Power Supply	Amazon		1	\$9.99	https://www.amazon.com/UpBright	Yes
5	Audio Amplifier Board	Parts Express	KAB-215	1	\$19.90	https://www.parts-express.com/day	Yes
6	Cables for audio board	Parts Express	KAB-FC	1	\$3.96	https://www.parts-express.com/day	Yes
7	Bracket for audio board	Parts Express	KAB-AB	1	\$2.98	https://www.parts-express.com/day	Yes
8	1000uf capacitor	Sparkfun		1	\$0.35	https://www.sparkfun.com/products	Yes
9	330 ohm resistor	Sparkfun		1	\$0.95	https://www.sparkfun.com/products	Yes
10	Microphone module	Amazon		1	\$3.72	https://www.amazon.com/gp/produ	Yes
11	24V latching LED button	Amazon		1	\$6.99	https://www.amazon.com/HiLetgo	Yes
12	5V latching LED button	Amazon		1	\$11.50	https://www.amazon.com/KNACRC	Yes
13	5V momentary LED button	Amazon		1	\$8.32	https://www.amazon.com/uxcell-Te	Yes
14	Female DC power jack connector	Amazon		1	\$7.05	https://www.amazon.com/gp/produ	Yes
15	Spade connectors	Amazon		1	\$10.57	https://www.amazon.com/gp/produ	Yes
16	Wire Connectors	Amazon		1	\$18.99	https://www.amazon.com/gp/produ	Yes
17	Step down power convertor	Amazon		1	\$8.99	https://www.amazon.com/gp/produ	Yes
18	White translucent sheet	Amazon		1	\$10.75	https://www.amazon.com/Slightly-	Yes
19	5" 1/4-20 bolt	McMaster-Carr	92620A557	1	\$3.73	https://www.mcmaster.com/#92620	Yes
20	T-nut (1/4-20 threaded)	McMaster-Carr	95508A100	1	\$7.17	https://www.mcmaster.com/#95508	Yes
21	Knurl Nut Thumb Screw (1/4-20 threaded)	Amazon		1	\$8.29	https://www.amazon.com/gp/produ	Yes
22	Brass screws	Amazon		1	\$12.99	https://www.amazon.com/gp/produ	Yes
23	3/4" Plywood (32in x 12in)						
24	1/2" MDF (20.5in x 15in)						
25	1/2" Plywood (15in x 12in)						
26	White Spray Paint	Amazon		1	\$5.53	https://www.amazon.com/Rust-Ole	Yes
27	Clear lacquer	Amazon		1	\$3.75	https://www.amazon.com/Rust-Ole	Yes
28	Wood Glue	Amazon		1	\$3.59	https://www.amazon.com/Gorilla-V	Yes
				Sum:	\$242.58		