

BlueStamp Engineering Student Bill of Materials (BOM)

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

Item #	Description	Vendor	Part Number	Qty	Unit Cost	Total Cost	Link to Where to Purchase
	Slingshot style (requires some innovation)						
1	Birch Plywood 1/2 inch thick (2'-4') check	Amazon		1	\$22.48	\$22.48	https://www.amazon.com/Single-Piece-Baltic-Birch-f
2	Birch Plywood 1/4 inch thick(2'x2') check	Amazon		1	\$15.98	\$15.98	https://www.amazon.com/Single-Piece-Baltic-Birch-f
3	12V Gear Motor	Amazon		1	\$32.99	\$32.99	https://www.amazon.com/uxcell-Double-Torque-Red
4	V pulley 1/2" bore 4" diameter	Grainer	3X909	1	\$17.35	\$17.35	https://www.grainger.com/category/v-belt-pulleys/sh
5	Aluminum square tube 3/4" x 3/4" x 1/8" x 10"	Amazon		1	\$15.52	\$15.52	https://www.amazon.com/RMP-Aluminum-Square-T
6	Extension spring, 3-1/4"x5/8"x0.072"(Longer spring nec	McMaster		1	\$8.73	\$8.73	https://www.mcmaster.com/#3114t114/=1cxfu3l
7	Brass tube, 1/2" OD	Amazon		1	\$14.99	\$14.99	https://www.amazon.com/Smooth-Bright-Carpet-Rer
8	Wood dowel, 1/4"x20"	McMaster	9683K23	1	\$6.26	\$6.26	https://www.mcmaster.com/#9683k23/=1cxfn9
9	Switch Roller Lever Arm SPDT Snap Action	Amazon		1	\$8.28	\$8.28	https://www.amazon.com/WINOMO-Micro-Switch-R
10	Hookup wires 22 gauge done	Amazon		1	\$6.99	\$6.99	https://www.amazon.com/Hook-Silicone-Wire-total-E
11	Toggle switch	Amazon		1	\$5.56	\$5.56	https://www.amazon.com/Nilight-Heavy-Duty-Toggle
12	Routing clamps	McMaster		1	\$8.32	\$8.32	https://www.mcmaster.com/#9439t23/=1dspr9t