

ENGR 152

Maker's Competition Bill of Materials Template

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<u>Description</u>	<u>Supplier Link</u>	<u>Part Number</u>	<u>Qty</u>	<u>Price</u>	<u>Total</u>
<i>Arduino Kit Items (Please estimate prices based on Market Value)</i>					
Arduino Uno Board	From the class Arduino Kit	none	1	\$29.95	\$29.95
Jumper Wires	From the class Arduino Kit	none	25	\$0.12	\$3.00
Light sensor	From the class Arduino Kit	none	1	\$0.07	\$0.07
Piezo	From the class Arduino Kit	none	1	\$0.85	\$0.85
Total					\$33.02
<i>Tool Room Items (\$75 Max Budget)</i>					
1/4" Diameter Round Aluminum Stock (3 inches)	From the GFU Tool Room	none	3	\$0.13	\$0.39
M3 Hardware	From the GFU Tool Room	none	17	\$0.08	\$1.36
Stepper motor and driver	From the GFU Tool Room	none	1	\$3.00	\$3.00
20x4 Display	From Ebay	none	1	\$13.65	\$13.65
Button	From the GFU Tool Room	none	1	\$0.20	\$0.20
15mm x 24mm x 5mm Carbon Steel Bearings	From the GFU Tool Room	none	1	\$0.90	\$0.90
1/4" laser cut wood housing (qty in sq-in of wood)	From the GFU Prototype Lab	none	4.185	\$0.03	\$0.13
PLA 3D printed parts (qty in m of filament)	From the GFU Prototype Lab	none	43.11	\$0.06	\$2.59
Rotary encoder	From the GFU Tool Room	none	1	\$2.00	\$2.00
24mm x 15mm x 5mm ball bearings	From the GFU Tool Room	none	2	\$1.00	\$2.00
1/8" Laser cut acrylic housing (qty in sq-in of acrylic)	From the GFU Tool Room	none	23.48	\$0.03	\$0.70
2,700 mm ² of 5mm thick plywood	From the GFU Tool Room	none	1	\$0.50	\$0.50
Total					\$27.42
Product Total Cost					\$60.44