



This is a sample Cost Accounting Worksheet (CAW) for use in the 2018 FIRST[®] Robotics Competition Game, FIRST POWER UPSM. The CAW helps Inspectors verify part use and legality on Robots. Teams do not have to report individual COTS items that are less than \$5 USD each or are Kit of Parts items.

**2018 FIRST Robotics Competition
Bill of Materials**

Team Name: RoboHerd Team #: 5542 Date: _____
 Event: _____ City: Buffalo State: Minnesota

Item	Description	Material	Source	Quantity	Measurement	Unit Price	Total Price
<i>Major System Names Here</i>	<i>Describe the Part (Axle, Bearing, Lifter, Solenoid)</i>	<i>What is it made from</i>	<i>Where did you buy it (Home Depot, AndyMark, Supply House, Etc.)</i>	<i>How Many</i>	<i>Piece, Inch, Etc.</i>	<i>Cost Per Unit (\$)</i>	
Drivetrain							\$0.00
							\$0.00
							\$0.00
							\$0.00
							\$0.00
							\$0.00
							\$0.00
							\$0.00
Subtotals:							\$0.00
Elevator							
	top of slide	aluminum	Discount steel	1	20*1*1	\$3.08	\$3.08
	top of frame	aluminum	Discount steel	1	20 1/8*1*1	\$3.10	\$3.10
	elevator Slides	aluminum	Discount steel	2	47*1*2	\$11.15	\$22.30
	elevator bottom	aluminum	Discount steel	1	12 3/4*1*1	\$1.97	\$1.97
	frame bottom	aluminum	Discount steel	1	20*1*1	\$3.08	\$3.08
	side frame	aluminum	Discount steel	2	48*1*1	\$7.40	\$14.80
	Small top thing	aluminum	Discount steel	2	2 1/8*1*1	\$0.33	\$0.66
	Support	aluminum	Discount steel	2	31 1/2*1*1	\$9.86	\$19.72
	straight brackets	aluminum	Discount steel	2	4*1/4*3/4	\$10.26	\$20.52
	90° bracket	aluminum	Discount steel	10		\$0.37	\$3.70
	Bearing Bracket	aluminum	Discount steel	4	3*3/4*3/16	\$10.20	\$40.80
	fat L bracket	aluminum	Discount steel	2		\$0.66	\$1.32
	pullies	Nickel plated	home depot	3	150 Pounds	\$4.99	\$14.97
	Paracord	Nylon	amazon	1	100ft	\$16.99	\$16.99
Subtotals:							\$167.01
Manipulator							
	4" Compliant Wheels		AndyMark	4	4"	\$8.00	\$32.00
	775 pro motors		Vex Pro	2		\$17.99	\$35.98
	Hex Locks		VeX Pro	6	1/2"	\$2.99	\$17.94
	belts		Vex Pro	2		\$6.99	\$13.98
	90° bracket	aluminum	Discount steel	8		\$0.37	\$2.96
	manipulator arms	aluminum	Discount steel	2	12"*1"*2"	\$2.85	\$5.70
	manipulator arms holder	aluminum	Discount steel	1	19" 1/4*2*1	\$4.57	\$4.57
	hinge extenders	aluminum	Discount steel	2	5"*2*1	\$1.19	\$2.38
	hinge		Menards	1		\$2.99	\$2.99
	manipulator square top/bottom	aluminum	Discount steel	2	10" 3/4*1*1	\$1.60	\$3.20
	manipulator square sides	aluminum	Discount steel	2	6" 3/4*1*1	\$1.00	\$2.00
	Peg board	pegboard	Menards	1		\$9.79	\$9.79
	Plastic chain	plastic		1			
	Bearing Brackets	aluminum	Discount steel	4	3/4"*3"*1/4"	\$0.80	\$3.20
Subtotals:							\$136.69
Technology							

