



## Problem 2.3.1 Work Assistant Price Sheet

PLTW Engineering

Team Members: Carson Gulk, Eric Kenny, Connor Munyan, Carson McDowell

Part Image	Part Name	Part Number	Part Cost	Count	Total Cost	
1		1x3 Beam	228-2500-002	\$0.35	2	\$0.70
2		1x4 Beam	228-2500-003	\$0.40		\$-
3		1x6 Beam	228-2500-005	\$0.45	2	\$0.90
4		1x8 Beam	228-2500-007	\$0.50	2	\$1.00
5		1x10 Beam	228-2500-009	\$0.55		\$-
6		1x12 Beam	228-2500-011	\$0.60		\$-
7		2x2 Beam	228-2500-017	\$0.35		\$-
8		2x4 Beam	228-2500-019	\$0.45		\$-
9		2x6 Beam	228-2500-021	\$0.55		\$-
10		2x8 Beam	228-2500-023	\$0.65	4	\$2.60
11		2x10 Beam	228-2500-025	\$0.75		\$-
12		2x12 Beam	228-2500-026	\$0.85		\$-
13		2x16 Beam	228-2500-028	\$0.75		\$-
14		2x20 Beam	228-2500-030	\$0.85		\$-
15		4x4 Plate	228-2500-040	\$0.75		\$-
16		4x12 Plate	228-2500-045	\$1.25	2	\$2.50
17		1x1 Connector Pin	228-2500-060	\$0.10	10	\$1.00
18		1x2 Connector Pin	228-2500-061	\$0.15		\$-
19		2x2 Connector Pin	228-2500-062	\$0.20		\$-

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	Part Image	Part Name	Part Number	Part Cost	Count	Total Cost
20		0.5x Pitch Standoff	228-2500-064	\$0.10		\$-
21		1x Pitch Standoff	228-2500-065	\$0.15	4	\$0.60
22		2x Pitch Standoff	228-2500-067	\$0.20		\$-
23		4x Pitch Standoff	228-2500-070	\$0.25		\$-
24		6x Pitch Standoff	228-2500-072	\$0.30		\$-
25		Washer	228-2500-112	\$0.03		\$-
26		0.25x Pitch Spacer	228-2500-114	\$0.05	44	\$2.20
27		2x Pitch Shaft	228-2500-117	\$0.50		\$-
28		4x Pitch Shaft	228-2500-120	\$0.75		\$-
29		6x Pitch Shaft	228-2500-122	\$1.00	11	\$11.00
30		8x Pitch Shaft	228-2500-124	\$1.25		\$-
31		Shaft Bushing	228-2500-125	\$0.10		\$-
32		Large Corner Connector	228-2500-126	\$0.15		\$-
33		Small Chassis Corner	228-2500-127	\$0.10		\$-
34		2x Wide, 1x2 Corner	228-2500-128	\$0.15		\$-
35		1x Wide, 1x1 Offset Corner	228-2500-130	\$0.10		\$-
36		2x Wide, 2x1 Offset Corner	228-2500-131	\$0.17	1	\$0.17
37		2x Wide, 2x1 Corner	228-2500-132	\$0.15		\$-
38		2x Wide, 1x1 Offset Corner	228-2500-133	\$0.10		\$-
39		2x Wide, 2x2 Corner	228-2500-134	\$0.25	1	\$0.25

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	Part Image	Part Name	Part Number	Part Cost	Count	Total Cost
40		2x Wide, 1x2 Offset Corner	228-2500-135	\$0.20		\$-
41		2x2 Lock Plate Beam	228-2500-140	\$0.25		\$-
42		1x3 Lock Plate Beam	228-2500-141	\$0.20		\$-
43		Rubber Shaft Collar	228-2500-143	\$0.25	22	\$5.50
44		3x4 Tee Beam	228-2500-144	\$0.15		\$-
45		2x3 Right Angle Beam	228-2500-145	\$0.20		\$-
46		3x3 30 Degree Angle Beam	228-2500-147	\$0.15		\$-
47		3x3 45 Degree Angle Beam	228-2500-148	\$0.15		\$-
48		3x3 60 Degree Angle Beam	228-2500-149	\$0.15	4	\$0.60
49		3x5 Right Angle Beam	228-2500-150	\$0.15		\$-
50		4x4 Offset Right Angle Beam	228-2500-151	\$0.20		\$-
51		Elastic Band Anchor	228-2500-157	\$0.10		\$-
52		10mm Pulley	228-2500-163	\$0.35		\$-
53		20mm Pulley	228-2500-164	\$0.60		\$-
54		30mm Pulley	228-2500-165	\$0.85		\$-
55		40mm Pulley	228-2500-166	\$1.10	1	\$1.10
56		Mini Standoff Connector	228-2500-170	\$0.10		\$-
57		End Standoff Connector	228-2500-172	\$0.10		\$-
58		100mm Travel Tire	228-2500-207	\$0.95		\$-
59		Small Wheel Hub	228-2500-208	\$1.20		\$-

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	Part Image	Part Name	Part Number	Part Cost	Count	Total Cost
60		200mm Travel Tire	228-2500-209	\$1.35		\$-
61		160mm Travel Tire	228-2500-210	\$1.10		\$-
62		Large Wheel Hub	228-2500-211	\$1.50		\$-
63		250mm Travel Tire	228-2500-212	\$1.55		\$-
64		12 Tooth Gear	228-2500-213	\$0.35	10	\$3.50
65		36 Tooth Gear	228-2500-214	\$0.85	12	\$10.20
66		60 Tooth Gear	228-2500-215	\$1.10		\$-
67		Rack Gear	228-2500-216	\$1.25		\$-
68		Linear Slide Bracket	228-2500-217	\$0.65	3	\$1.95
69		36 Tooth Crown Gear	228-2500-218	\$0.95		\$-
70		Worm Gear	228-2500-219	\$0.50		\$-
71		Worm Bracket	228-2500-220	\$0.60		\$-
72		30mm Belt	228-2500-221	\$0.40		\$-
73		40mm Belt	228-2500-222	\$0.50		\$-
74		50mm Belt	228-2500-223	\$0.60		\$-
75		60mm Belt	228-2500-224	\$0.70		\$-
76		Chain Link	228-2500-230	\$0.02		\$-
77		8 Tooth Sprocket	228-2500-232	\$0.35		\$-
78		16 Tooth Sprocket	228-2500-233	\$0.50		\$-
79		24 Tooth Sprocket	228-2500-235	\$0.65		\$-

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	Part Image	Part Name	Part Number	Part Cost	Count	Total Cost
80		32 Tooth Sprocket	228-2500-236	\$0.95		\$-
81		40 Tooth Sprocket	228-2500-237	\$1.10		\$-
82		South Pole Magnetic Beam	228-3167-010	\$1.50		\$-
83		North Pole Magnetic Beam	228-3167-020	\$1.50		\$-
84		Storage Bin	228-2929-001	\$4.00		\$-
85		Bin Lid	228-2929-002	\$2.50		\$-
86		Storage Tray	228-2930-001	\$2.50		\$-
87		VEX IQ Tray Divider	228-2500-754	\$0.75		\$-
						\$ 45.77