

# VEX Product Design Challenge

## Bill Of Materials (BOM)

Robot Name: Sweepy

Robot Creator: 2438 total 880.72

Part Number	Product	Quantity	unit price	Total
P/N: 276-2155	VEX Ultrasonic Range Finder	1	29.99	29.99
p/n: 276-2159	VEX Bumper Switch Kit	1	12.99	12.99
p/n: 276-2165	VEX Omni Directional Wheel Kit	1	19.99	19.99
WHEEL-LOWFRICTION-4PK	2.75"dia Wheel pack	1	9.99	9.99
p/n: 276-2163	VEX Motor Kit	4	19.99	79.96
p/n: BEVEL-BRK-2PK	VEX Bevel Gearbox Bracket	1	9.99	9.99
p/n: BEVEL-GEAR-PK	Bevel Gear Pack	1	9.99	9.99
p/n: ANG-RR11-35-4PK	Angle 1x1x35 holes	1	17.99	17.99
p/n: GUSSET-ANGEL-8PK	Angle Gusset 8-Pack	1	14.95	14.95
p/n: 276-2182	VEX Chain, 48in.	1	14.95	14.95
p/n: 276-2166	VEX Sprocket and Chain Kit	1	29.99	29.99
p/n: BAR-25-8PK	Bar 1x25 holes	1	12.99	12.99
p/n: RAIL-21-25-4PK	Chassis Rail 2x1x25 holes	1	14.99	14.99
p/n: ANG-22-25-4PK	Angle 2x2x25 holes	1	14.99	14.99
p/n: ADV-MOTION-PK	VEX Advanced Motion Pack	1	59.99	59.99
BEAM-1000-PACK-9	1/2" Standoff pk	1	2.95	2.95
BEAM-500-PACK-10	1" Standoff pk	1	3.95	3.95
p/n: PIVOT-6PK	Angle Pivot	1	5.95	5.95
p/n: SCREW-832-38-28PK	3/8" 8-32Screw 28pk	1	1.49	1.49
p/n: GUSSET-PLUS-8PK	Plus Gusset	1	6.45	6.45
p/n: SCREW-832-14-70PK	1/4" 8-32Screw 70pk	1	4.99	4.99
p/n: CLUTCHPST-SCREWD-632	Clutch Posts & Screws	1	0.99	0.99
p/n: NUT-LW-832-PACK-100	Keps Nut 8-32	1	2.99	2.99
SCREW-0625-PACK-100	5/8" 8-32Screw 100pk	1	9.99	9.99
SCREW-0375-PACK-100	3/8" 8-32Screw 100pk	1	7.49	7.49
p/n: 230-0036	VEX Power Pack	1	49.99	49.99
p/n: 276-2170	VEX Microcontroller	1	149.99	149.99
ROBOTC	RobotC Programming Kit	1	99.9	99.9
p/n:CABLE-PWM-6-4PAK	VEX PWM Y Cable, 6"	1	14.99	14.99
p/n:CABLE-PWM-12-4PAK	VEX PWM Extension Cable, 12"	1	19.99	19.99
p/n: 276-2219	VEX Battery Strap	1	4.99	4.99
p/n: CABLE-TIE-4-PACK-100	4" Tie Wrap 100-Pack	1	4.95	4.95
p/n: 276-2153	Transmitter and Reciever Kit	1	129.99	129.99
	Swiffer Duster replacement	1	4.95	4.95