

## Official BoM

Bill of Materials										
Item #	Vendor	Description	Vendor #	Manufacturer	Lead Time	Quantity	Cost	Part Status	Make/Buy	
1	CubeMars	AK45-36 KV90	AK45-36 KV90	N/A	N/A	2	598.35	Purchased/Received	Buy	
2	Amazon	HR8 2PCS 1800mAh 6S 22.2V 50C LiPo Battery with XT60 Plug Compatible with RC Helicopter Airplane Car Boat Truck	LiPo Battery with XT60 Plug	N/A	N/A	1	67.12	Purchased/Received	Buy	
3	Sunlu	High Speed PLA 3KG Large Spool 3D Printer Filament 3KG	Printer Filament 3KG	N/A	N/A	1	36.35	Purchased/Received	Buy	
4	Atlas	Atlas Adventure Hiking Grade Hip Belt Black / LRG-XL   36-44"	Atlas Adventure Hiking Grade Hip Belt	N/A	N/A	1	107.74	Purchased/Received	Buy	
5	McMaster-Carr	Button Head Hex Drive Screw-Black-oxide alloy steel M3x0.50mm Thread, 8mm long	91239A113	N/A	N/A	1	8.77	Purchased/Received	Buy	
6		Button Head Hex Drive Screw-Black-oxide Class 12.9 alloy steel, M3x0.50mm Thread, 15mm long	91239A811	N/A	N/A	1	6.5	Purchased/Received	Buy	
7	Home Depot	Universal Sliding Rig Tool Belt Support	81701N20	N/A	N/A	1	34.34	Purchased/Received	Buy	
8		22 M-3x50 Screws		N/A	N/A	8	16.5	Purchased/Received	Buy	
9		PVC piping		In house	N/A	1	10.63	Purchased/Received	Buy	
		screws				1	8.62	Purchased/Received	Buy	
	Walmart	Belt				1	18.56	Purchased/Received	Buy	
10	Lerner Provided	Ak board		N/A	N/A	1	0	Donated	Buy	
11		Hinges		Metal 3D printer	Metal 3D printer	1	0	Not purchased	Make	
12	Capstone team	Brackets		Metal 3D printer	Metal 3D printer	1	0	Not purchased	Make	
13		Arm links		Biomechanics Lab	Biomechanics Lab	2	0	Donated	Make	
14		Motor Mounts		Biomechanics Lab	Biomechanics Lab	2	0	Not purchased	Make	
15		Potential Sensor	TBD	TBD		TBD	0	Not purchased	Buy	
16		Elbow attachment		Biomechanics Lab	Biomechanics Lab	1	0	Material Purchased	Make	
17	MarkForged	800cc Onyx Filament Spool	F-MF-0001			1	190	Purchased/Received	Buy	
18	MarkForged	150cc CarbonFiber CFF Spool	F-FG-0005			1	450	Purchased/Received	Buy	
19	McMaster-Carr	Nylon 6/6 Plastic Cap Nuts	86527A510	McMaster-Carr	1 week	100 each	27.24	Purchased/Received	Buy	
20	McMaster-Carr	Aluminum General Purpose Washers	9233A113	McMaster-Carr	2 week	100 each	10.82	Purchased/Received	Buy	
21	McMaster-Carr	Button Head Hex Drive Screw	91239A242	McMaster-Carr	3 week	50 each	13.11	Purchased/Received	Buy	
22	McMaster-Carr	Lightweight 6061 Aluminum Hex Nuts	91854A102	McMaster-Carr	4 week	50 each	11.28	Purchased/Received	Buy	
23	McMaster-Carr	Easy to form PVC/Acrylic	8650K21	McMaster-Carr		1	18.77	Purchased/Received	Buy	
24	Amazon	PAWBOSE Lipo Safe Bag, Fireproof Explosion-Proof Lipo Battery Bag for Safe Charging and Storage, 2 Packs(black)				1	9.99	Purchased/Received	Buy	
25	Amazon	PUSLAKO Sale B6AC Lipo Battery Charger Balance Charger Discharger RC Battery Charger with Dual AC/DC Power Supply for RC				1	33.99	Purchased/Received	Buy	
26	Amazon	Arduino Nano 33 BLE Sense Rev2 with Headers (ABX00070) - AI Microcontroller with Sensors, Bluetooth, for Wearables, Gest				2	69.48	Purchased/Received	Buy	
27	SparkFun Electronics	Teensy 4.1 (Headers) SKU: DEV-16996				2	80.09	Purchased/Received	Buy	
28	McMaster-Carr	Alloy Steel Shoulder Screws	92981A103		N/A	2	3.68	Purchased/Received	Buy	
29	McMaster-Carr	18-8 Stainless Steel Tapered Heat-Set Insert for Plastic	97163A154		N/A	2	19.28	Purchased/Received	Buy	
30	McMaster-Carr	High-Strength Steel Nylon-Insert Locknut	94645A102		N/A	1	15.66	Purchased/Received	Buy	
31	McMaster-Carr	Steel Flanged Ball Bearing	57155K588		N/A	4	57.86	Purchased/Received	Buy	
32	JLCPCB	Electric Boards Lerner Bought that had the invoice charge to us			N/A		307.82	Purchased/Received	Buy	
33	Luxonis	OAK-D Pro	A00546	Luxonis	N/A	1	419	Purchased/Received	Buy	
34	Amazon	Alex Tech 10ft - 3/8 inch Cord Protector Wire Loom Tubing Cable Sleeve Split Sleeving For USB Cable Power Cord Audio Video Cable - Protect Cat From Chewing Cords - Black	807FVZLCQY	Alex Tech	N/A	1	8.98	Purchased/Received	Buy	
35	Amazon	5 Pack Flexible Sensing Resistors with Female Contact and Housing, Thin Film Pressure Sensor Compatible with arduino or microbit DIY kit, 0.5 inch Circle, FSR 402 with 2 pin Female Contacts Housing	FSR402	Interlink Electronics	N/A	1	49.99	Purchased/Received	Buy	
36	Amazon	Foam Padding Sheet 3/4" Thick with Adhesive Backing Neoprene Insulation Foam Soft Cushion High Density Stick Firmly for Furniture Cars Speakers 12 Inch X 12 Inch (4 Pcs)	747649868799	Modgit Store	N/A	1	23.99	Purchased/Received	Buy	
37	MarkForged	150cc CarbonFiber CFF Spool	F-FG-0005	MarkForged	N/A	1	521.35	Purchased/Received	Buy	
38	McMaster-Carr	Button Head Hex Drive Screw, Passivated 18-8 Stainless Steel, M3 x 0.50 mm Thread, 10mm Long	92095A182	McMaster-Carr	N/A	1	7.91	Purchased/Received	Buy	
39	McMaster-Carr	18-8 Stainless Steel Tapered Heat-Set Insert for Plastic, M5 x 0.8 mm Thread Size, 5.72 mm Installed Length	97163A154	McMaster-Carr	N/A	2	20.08	Purchased/Received	Buy	
40	McMaster-Carr	18-8 Stainless Steel Nylon-Insert Flange Nut, M4 x 0.7 mm Thread	94710A101	McMaster-Carr	N/A	1	11.02	Purchased/Received	Buy	
41	McMaster-Carr	Button Head Hex Drive Screw, Black-Oxide Alloy Steel, M5 x 0.80 mm Thread, 8 mm Long	91239A222	McMaster-Carr	N/A	1	16.37	Purchased/Received	Buy	
42	McMaster-Carr	Button Head Hex Drive Screw, Black-Oxide Alloy Steel, M4 x 0.70 mm Thread, 50 mm Long	91239A162	McMaster-Carr	N/A	1	9	Purchased/Received	Buy	
43	McMaster-Carr	Compartmented Organizer Boxes with Handle and Removable Bin Cup	4907147	McMaster-Carr	N/A	1	21.71	Purchased/Received	Buy	
44	McMaster-Carr	316 Stainless Steel Button Head Hex Drive Screws, M5 x 0.8mm Thread, 8mm Long	94500A230	McMaster-Carr	N/A	1	9.39	Purchased/Received	Buy	
45	Amazon	INLAND Micro Center 32GB Class 10 MicroSDHC Flash Memory Card with Adapter for Mobile Device Storage Phone, Tablet, Drone & Full HD Video Recording - 80MB/s UHS-I, C10, U1 (2 Pack)	B07K81Z6DF			1	22.72	Purchased/Received	Buy	
46	Amazon	uxcell Sealing Foam Tape 10mm Wide 3mm Thick 4m/13ft Long, Self Adhesive Weather Strip for Window Door Insulation	B07L6LB495			1	5.69	Purchased/Received	Buy	
TOTAL							3379.85			