

S. No.	Part	Quantity	Link	Description	Source
1	70:1 Motor, 12V with 64 CPR Encoder	3	Link	70:1 Metal Gearmotor 37Dx73L mm 12V with 64 CPR Encoder (Helical Pinion)	Pololu
2	Cast Acrylic Sheet	2	Link	12" x 12" x 3/16"	McMaster-Carr
3	Female Threaded Round Standoff	4	Link	Aluminum, 1/4" OD, 1-1/2" Long, 6-32 Thread Size	McMaster-Carr
4	#6-32 Socket Head Screw 3/8	10	Link	Black-Oxide Alloy Steel Socket Head Screw, 6-32 Thread Size, 3/8" Long	McMaster-Carr
5	M3 Thread-Locking Socket Head Screw	18	Link	18-8 Stainless Steel, M3 x 0.5 mm Thread, 6 mm Long	McMaster-Carr
6	M4 Steel Nylon-Insert Locknut	9	Link	Class 10, Zinc Plated, M4 x 0.7 mm Thread, 5 mm High	McMaster-Carr
7	M4 Alloy Steel Socket Head Screw	9	Link	M4 x 0.7 mm Thread, 14 mm Long	McMaster-Carr
8	Female Threaded Round Standoff (6-32, 3 1/2in)	6	Link	18-8 Stainless Steel, 1/4" OD, 3 1/2" Long, 6-32 Thread Size	McMaster-Carr
9	M2.5 Screws	8	Link	Black-Oxide 18-8 Stainless Steel Pan Head Phillips Screws, M2.5 x 0.45 mm Thread, 14 mm Long	McMaster-Carr
10	M2.5 Spacers	8	Link	Aluminum Unthreaded Spacer, 4.500 mm OD, 4 mm Long, for M2.5 Screw Size	McMaster-Carr
11	M2.5 Nuts	8	Link	Steel Hex Nut, Medium-Strength, Class 8, M2.5 x 0.45 mm Thread	McMaster-Carr
12	Vibration Damping Sandwich Mounts	4	Link	Vibration-Damping Sandwich Mount with Stud&Insert, Neoprene, 6-32 Thread Size, 5 lbs. Capacity, 5/16"	McMaster-Carr
13	#6-32 Thumb Screw 3/8	10	Link	Low-Profile Nylon Thumb Screw, 6-32 Thread Size, 3/8" Long	McMaster-Carr
14	Tapered M4 Threaded Inserts	9	Link	Tapered Heat-Set Inserts for Plastic, M4 x 0.7 mm Thread Size, 4.7 mm Installed Length	McMaster-Carr
15	#6-32 Nuts	4	Link	18-8 Stainless Steel Hex Nut, 6-32 Thread Size, 7/64"	McMaster-Carr
16	#6-32 Socket Head Screw 5/16	4	Link	Black-Oxide Alloy Steel Socket Head Screw, 6-32 Thread Size, 5/16" Long	McMaster-Carr
17	Snap-Together Fastener (length in ft)	0.6	Link	Snap-Together Fastener, Acrylic Adhesive Backing, 2" Wide	McMaster-Carr
18	Omni Wheel	6	Link	3604 Series Omni Wheel (14mm Bore, 96mm Diameter)	ServoCity
19	Shaft Couplers	3	Link	1309 Series Sonic Hub (4mm Bore)	ServoCity
20	Wireless BT Controller	1	Link	predark PS4 Controller Wireless Game Compatible with Playstation 4/Pro/PC (Berry Blue)	Amazon
21	Basketball	1	Link	Senston Basketball 29.5" Outdoor Indoor Mens Basketball Ball Official Size 7 Outdoor/Indoor Game Basket Ball	Amazon
22	Air Pump	1		With Basketball	Amazon
23	Pump Needles	1		With Basketball	Amazon
24	Jumper wires (male to female)	4	Link		Amazon
25	english wrench (5/16")	1	Link		Amazon
26	metric wrenches (5&7 mm set)	1	Link		Amazon
27	metric allen keys	1	Link		McMaster-Carr
28	7/64" allen keys	1	Link		McMaster-Carr
29	Blink M LED	1	Link		Sparkfun
30	LED Lights	1	Link		Adafruit
31	Raspberry Pi 4	1	Link		Newark
32	16GB Micro SD card	1			
33	Robotics Control Board	1	Link	1x 12V Adapter + 1x Regulator + 1x MPU 9250-6500 + 3x DRV8874 + 1x Pico	
34	USB-A to Micro USB cable	1			
35	USB-A to USB-C	1			
36	12V Battery & charger	2	Link		
37	Wheel Spacer	9	Link		ServoCity
38	SD Card Reader	1			
39	Harness	1	Link	Guinea Pig Harness and Leash	
40	Eyebolt	1	Link	Routing Eyebolt with Nut	

