

BlueStamp Engineering Student Bill of Materials (BOM)

Item #	Description	Vendor	Part Number	Qty	Cost	Total	Link to Where to Purchase
1	2.75" omni directional wheels - double pack	VEX Robotics	276-1902	2	\$19.99	\$39.98	https://www.vexrobotics.com/vexedr/products/accessories/motion/edr-wheels.html
2	Elegoo	Sparkfun	DEV-11021	1	\$11.86	\$11.86	https://www.amazon.com/Elegoo-EL-CB-001-Arduino-ATMEGA16U2-Arduino/dp/B01EWOEUUU/ref=sr_1_6?ie=UTF8&qid=1527011740&sr=8-6&keywords=elegoo
3	TLP-2000 Tenenergy Universal Smart Charger	Amazon		1	\$11.86	\$11.86	http://www.amazon.com/TLP-2000-Tenenergy-Universal-Charger-3-7V-14-8V/dp/B001BEXDRG/ref=nd_pbxg_v_img_v
4	2-Wire Motor 393	VEX Robotics	276-2177	3	\$14.99	\$44.97	http://www.vexrobotics.com/motors.html
5	Motor Controller 29	VEX Robotics	276-2193	3	\$9.99	\$29.97	http://www.vexrobotics.com/276-2193.html
6	Shaft collars 16-pack	VEX Robotics	276-2010	1	\$7.99	\$7.99	https://www.vexrobotics.com/shafts-and-hardware.html
7	wood, minimum size: 1/2" x 8" x 8"			2		0	
8	Drive Shaft 2" and 3" pack	VEX Robotics	276-2011	1	\$5.49	\$5.49	http://www.vexrobotics.com/shafts.html
9	Sony PS2 wireless controller 2.4G	Amazon		1	\$12.99	\$12.99	https://www.amazon.com/Wireless-Controller-Double-Gamepad-Playstation/dp/B01DX7S0LW/ref=sr_1_4?ie=UTF8&qid=1526844437&sr=8-4&keywords=ps2+controller
10	Tenergy Li-Ion 18650 7.4V 2200mAh Rechargeable	Hobby King		1	\$13.99	\$13.99	https://www.amazon.com/Tenergy-Li-Ion-2200mAh-Rechargeable-Battery/dp/B002Y2LJW0/ref=nd_pbxg_v_img_v
11	Amico 5 Pcs Furniture Hardware 1" x 1" 90 Degree	Amazon		1	\$6.71	\$6.71	http://www.amazon.com/Amico-Furniture-Hardware-Dearee-Brackets/dp/B00880DIUS/ref=sr_1_cc_2?ie=UTF8&qid=1371166490&sr=1-2-cator&keywords=90+degree+bracket
12	Bar 1x25 (8-pack)	VEX Robotics	275-1141	1	\$12.99	\$12.99	http://www.vexrobotics.com/275-1141.html
13	wood screws	McMaster	90294A108	1	\$5.11	\$5.11	http://www.mcmaster.com/#90294a108?nu4c25
14	fisheye camera	SainsSmart	101-40-113	1	\$21.99	\$21.99	https://www.sainsmart.com/products/wide-angle-fov160-5-megapixel-camera-module-for-raspberry-pi?utm_source=googlepla&variant=46027760980&qid=CjwKCAw9dZERA5EwAic0AbelqjSMZBdWmB3pDXNJo1Jz0NVH6SAuasc8IACvBYDjCpF78pxCSRUAQvD_BwE
15	Raspberry Pi 3	Digi-Key	1690-1000-ND	1	\$40.00	\$40.00	https://www.digikey.com/product-detail/en/raspberry-pi/RASPBERRY%2520Pi%25203/1690-1000-ND/61527997WT?srch=1&qid=CjwKCAw9dZERA5EwAic0AbbaTdzSRHmVvA0ZnYxGc2KkaRTElc-8AvmKqRoO6TKmMcNKbfxcCg3EQAvD_BwE
16	wifi module	Adafruit	2810	1	\$11.95	\$11.95	https://www.adafruit.com/product/2810
17	Micro SD card	Frys.com	886202	1	\$13.99	\$13.99	https://www.frys.com/product/886202?source=google&qid=Cj0KCQwpcI-ZBRChARIsAMPRgP2RCUisErmFChGvg5v1nZMbnCAn_Berk5QCvHqV7qz4bEvnw4TVEAaAh8TEALw_wcB
18	Ethernet cable	Amazon		1	\$6.90	\$6.90	https://www.amazon.com/Motorola-CBA-U01-S07ZAR-Symbol-USB-Cable/dp/B004AF9UJMK/ref=sr_1_1?ie=UTF8&qid=1529949572&sr=8-1&keywords=ethernet+to+usb+cable
19	Micro USB wall charger	Amazon		1	\$7.99	\$7.99	https://www.amazon.com/Goldso-Raspberry-Supply-Adapter-Charger/dp/B075VP7KKM/ref=asc_df_B075VP7KKM/?tag=hyprod-20&linkCode=df0&hvadid=198093101467&hvpos=1o3&hvnetw=s&hvrand=3881193759960110997&hyponse=&hvptoc=&hvrmid=&hvdev=c&hvdcmid=&hvlocint=&hvlocphy=9031971&hvareid=pla-377006899160&psc=1
					Total Cost	\$306.73	