	Team Number	Members				Date Submitted to Instructor
Request By:	4	d, Dylan Robbins, Cole Cooper, Luke Carson, Nate Campbell				2/13/2024

Instructor Signoff:_____

Part Number	Description	Manufacturer Name	Quantity	URL to Product	Cost per Item	Total cost of Quantity
B07YD2LZDC	Raspberry Pi Power Supply	Seeed Studio (Power Module)	3	https://www.amazon.com/Raspber	$13.97	$41.91
DC-14620	14.6V Charger LiFePO4 Charger	E-Shark (Power Module)	1	https://www.amazon.com/14-6V-C	$13.99	$13.99
HW-4F9	12V 9Ah Battery	HWE (Power Module)	1	https://www.amazon.com/HWE-Ba	$36.99	$36.99
L7805CV	L7805 Voltage Regulator	ALLECIN (Power Module)	1	https://www.amazon.com/ALLECIN	$8.59	$8.59
1N4001	1N4001 Diode	Fairchild Semiconductor (Power Module)	1	https://www.amazon.com/FAIRCH	$4.07	$4.07
C54	Rain Water Level Sensor	Songhe (Water Module)	1	https://www.amazon.com/Sensor-	$6.88	$6.88
B0B6VR1K5Q	Raspberry Pi 4 Model B	RASTECH (Headunit Module)	1	https://www.amazon.com/Raspber	$45.00	$45.00
B096KDLD4	7" 800x400 TFT DSI Touchscreen	WaveShare (Headunit Module)	1	https://www.amazon.com/Wavesh	$54.90	$54.90
SDSDQUAN-032G-G4A	Sandisdk Ultra 32GB MicroSD Card	SanDisk (Headunit Module)	1	https://www.amazon.com/SanDisk	$9.29	$9.29
SRAQ-G014	Flammable Gas Sensor	L-COM (Gas Module)	1	https://www.l-com.com/flammable	$7.19	$7.19
B073Y!J98P	2700uF 25V Capacitors	Panasonic (Gas Module)	1	https://www.amazon.com/pcs-Pan	$16.99	$16.99
DZ-ZCDZ2WB1-1R-30	30pk 2W 1 Ohm Resistor	Chanzon (Gas Module)	1	https://www.amazon.com/Resistor	$5.99	$5.99
ST-PROTO	Double Sided ENIG Solderable Bread	SchmalzTech (Gas Module)	3	https://www.amazon.com/Schmal	$3.99	$11.97
SRAQ-GO16	Ammonia Gas Sensor	L-COM (Gas Module)	1	https://www.l-com.com/ammonia-	$18.99	$18.99
3-01-1294	HiLetgo MLX90614ESF	HiLetgo (Fire Module)	1	https://www.amazon.com/HiLetgo	$15.99	$15.99
B07GD2BWPY	120pc Breadboard Jumpers	EDGELEC (Fire Module)	1	https://www.amazon.com/EDGELE	$6.98	$6.98
ESP32-H2-DEVKITM-1-N	ESP32-H ESP32-H2-MINI-1 Transceiv	Espressif Systems (Communication Modul	3	https://www.digikey.com/en/prod	$10.00	$30.00
XB24CAWIT-001	Zigbee Modules - 802.15.4 XBee, S2C	DIGI (Communication Module)	1	https://www.mouser.com/Produc tDetail/DIGI/XB24CAWIT-001?qs=%2FPVulymFwT1u0cCwu RVF0g%3D%3D&mgh=1&gclid=Cj wKCAjw1t2pBhAFEiwA_-A-NMlsqW476IGm7GvqWUG4AWe HcaQloi_qMW-UGbVoWaXgzWCwfv-ABhoCeZgQAvD_BwE	$30.67	$30.67
B09JVSN8GF	DUNSI Sht30 Temperature Humidity	DUNSI (Communication Module)	1	https://www.amazon.com/Temper	$9.99	$9.99
			25			$376.38