

Parts for Robot / Arduino -Rescue Group			
	Count	Cost each	
<b>Main Controller</b>			\$41.00
<a href="#">Romeo V2 w/ motor driver</a>	1	\$35.00	\$35.00
<a href="#">Micro USB Cable</a>	1	\$6.00	\$6.00
<b>Sensors</b>			\$58.00
<a href="#">RGB</a>	2	\$8.00	\$16.00
<a href="#">Pololu Time of Flight</a>	1	\$12.00	\$12.00
<a href="#">Parallax Ping</a>	1	\$30.00	\$30.00
<a href="#">XLX 50 PCS TCRT5000L TCRT5000 Photoelectric Sensors (SR)</a>	4	\$0.00	\$0.00
<b>Accessories</b>			\$35.19
<a href="#">breadboards + jumper wires</a>	1	\$17.00	\$17.00
<a href="#">Perma-protoboard (from SR)</a>	0	\$7.00	\$0.00
<a href="#">photocells (from SR)</a>	2	\$0.00	\$0.00
<a href="#">buttons (from SR)</a>	3	\$0.00	\$0.00
<a href="#">box of resistor (esp. 100, 1000 &amp; 10K, 4.7K) (from SR)</a>	1	\$0.00	\$0.00
<a href="#">toggle switch</a>	1	\$3.00	\$3.00
<a href="#">6AA battery holder</a>	1	\$2.19	\$2.19
<a href="#">mini screwdriver kit</a>	1	\$13.00	\$13.00
<a href="#">Pan and Tilt (Skip. May 3D design &amp; print)</a>	0	\$10.00	\$0.00
<b>Other output devices</b>			\$25.00
<a href="#">Adafruit LED Sequins - Multicolor Pack</a>	1	\$4.00	\$4.00
<a href="#">Standard lcd 16x2 - ID 181</a>	1	\$11.00	\$11.00
<a href="#">i2c char LCD backpack</a>	1	\$10.00	\$10.00
<b>Chassis</b>			\$59.00
<a href="#">polo rp5/rover 5 expansion plate - narrow</a>	1	\$7.00	\$7.00
<a href="#">polo rp5/rover 5 expansion plate - wide</a>	1	\$12.00	\$12.00
<a href="#">DFRobotShop Rover chassis kit</a>	1	\$40.00	\$40.00
<b>Servo motors</b>			\$19.00
<a href="#">180 servo motor</a>	1	\$19.00	\$19.00
<b>Motors (for the drive train)</b>			\$16.00
To start with			
<a href="#">Encoder pair for this Tamiya Twin motor</a>	1	\$16.00	\$16.00
<a href="#">Tamiya motors come with the chassis</a>	0	10	0
			<b>\$253.19</b>
<b>May need to purchase later, but don't buy yet. To be further evaluated.</b>			
<a href="#">or 10dof-imu-mpu9255</a>	1	\$16.00	\$16.00
<b>Optional for future reference</b>			
<a href="#">pololu light array</a>	1	\$35.00	
<a href="#">electronic brick light sensor</a>	1	\$2.00	
<a href="#">Oled with data log</a>	1	\$43.00	
<a href="#">cheaper ping</a>	2	\$5.00	
<b>Possible Storage for each student:</b>			
<a href="#">Stanley 014725 25-Removable Compartment Organizer</a>			
<a href="#">Stanley STST14021 Sort Master Light Organizer</a>			
<b>Possible Upgrade if necessary later</b>			
<a href="#">Rover</a>			
<a href="#">pololu micro motors (for magnetic encoder)</a>	2	\$19.00	\$38.00
<a href="#">magnetic encoder</a>	2	\$10.00	\$20.00
<a href="#">Gearmotor Bracket Extended Pair</a>	1	\$9.00	\$9.00