

Project:

Reach Robot

Updated: 02/02/2018

Part	Qty	Unit Price (£'s)	Cost (£'s)	Supplier	Comments
100 mm Servo Extension Lead	1	£1.49	£1.49	ebay	Can be re-used on other projects
1N4006 Rectifier Diode 800V	7	£0.64	£0.09	ebay	Sunk cost
47uF 16V Capacitors	2	£0.38	£0.76	RS Components	Sunk cost
Arduino UNO	1	£3.18	£3.18	ebay	Can be re-used on other projects
IR Receiver Module - TL1838	1	£0.99	£0.99	ebay	Can be re-used on other projects
LED - Blue	1	£0.02	£0.02	ebay	Sunk cost
MG90S Metal Gear Servo	4	£1.91	£7.64	ebay	Can be re-used on other projects
Resistors 1/4 W	1	£0.03	£0.03	RS Components	Sunk cost
Universal TV IR Remote - Signalex	1	£1.00	£1.00	Poundland	Can be re-used on other projects
Vero Board	1	£0.50	£0.50	ebay	Sunk cost
Header Pin Strip - 11 pins needed	1	£0.23	£0.23	ebay	Sunk cost
3mm Hardboard 12cm x 27cm	2	£1.00	£2.00	Local	Sunk cost
3mm Hardboard 12cm x 12cm	1	£0.50	£0.50	Local	Sunk cost
M3 Nyloc Nuts	9	£0.65	£5.81	ebay	Can be re-used on other projects
M3 Full Nuts A4 Marine Grade	6	£0.10	£0.59	ebay	Can be re-used on other projects
M3 Flats Washers A2 Stainless	15	£0.08	£1.20	ebay	Can be re-used on other projects
M3 Spring Washers Stainless	8	£0.06	£0.48	ebay	Can be re-used on other projects
M3 x 16mm Machine Screw A2 Stainless	4	£0.13	£0.53	ebay	Can be re-used on other projects
M3 x 8mm Machine Screw A2 Stainless	3	£0.13	£0.40	ebay	Can be re-used on other projects
M3 x 30mm Nylon Flat Head Machine Screws	15	£0.07	£1.02	RS Components	Can be re-used on other projects
M3 x 6mm Nylon Cheese Head Screws	3	£0.02	£0.06	ebay	Can be re-used on other projects
Soft-melt Glue	1	£0.30	£0.30	Wilko	Sunk cost
1.75mm PLA Filament 1kg reel	0.2	£19.99	£4.00	ebay	Sunk cost
Wood Glue - Unibond No More Nails	1	£1.00	£1.00	Wilko	Sunk cost
PVA Glue	1	£0.20	£0.20	Boys	Sunk cost
Total:			£34.01		
Re-use:			£24.39		Can be re-used on other projects
Sunk:			£9.62		Sunk cost
Power Options:					
1. Batteries AA Rechargeable	6	£1.38	£8.28	Amazon	Can be re-used on other projects
Battery Box - 6 x AA	1	£0.99	£0.99	Amazon	Can be re-used on other projects
2. Universal 6 way Mains Adapter 1500mAh	1	£10.49	£10.49	ebay	Can be re-used on other projects

Note:

1. Consumables like solder, flux, hook-up wire, etc are not included here, but are needed.
2. Some costs reflect bulk purchase in some cases. Ie. 1N4006 diodes
3. Necessary hand tools are not included. Ie. 3mm drill, 3 mm tap, etc
4. Prices may vary depending on time of purchase and sourcing options used