

<i>Item</i>	<i>Brand / Name</i>	<i>Quantity</i>	<i>Description</i>	<i>Retailer</i>		
Electronics						
1	Arduino Uno Board	Arduino	1	Micro-controller, program is uploaded here.	Pololu Amazon	http://bit.ly/1L2DjkG http://amzn.to/1f6Nb2l
2	DC Motor Shield	Cytron	2	Arduino-DC motor interface	Cytron OnComponents	http://bit.ly/1dATXN4 http://bit.ly/118S0jf
3	Current sensor -30A to 30A	Pololu	2	Current sensor to regulate DC motors	Pololu	http://bit.ly/1Bb4f1m
4	DB9 terminal block		1	Interface with DB9 input device	Amazon	http://amzn.to/1MvFHRj
5	Input device		1	Directional input device		
6	Solderable prototyping board		1	For circuit routing	Amazon	http://amzn.to/1JKkFRw
7	PCB mount terminal block		1	Comes in a set of 30 pieces	Amazon	http://amzn.to/1MOAswP
8	Toggle switch		1	On/Off switch	Pololu	http://bit.ly/1B7Jwf4
9	Potentiometer		1	Speed control	Amazon	http://amzn.to/1KKGteP
10	Solid core wire		1	Circuit routing	Amazon	http://amzn.to/1GC1CIs
11	Primary wire 16 gauge		1	Red color	Amazon	http://amzn.to/1INPhRG
			1	Black color		
12	Barrel Jack		1	To connect voltage regulator to Arduino	Amazon	http://amzn.to/1CH0ADY
13	Header pins				Amazon	http://amzn.to/1egJlxM
14	Female spade connectors		4	To connect motor shield to motors	Amazon	http://amzn.to/1eYbnoa
Motors						
1	Motor	Servo City	2	638278	Servocity	http://bit.ly/1B7Nt3p

2	Motor Mount	Servo City	2	555174	Servocity	http://bit.ly/1JOikDy
3	Clamping Mount 1-3/8"	Servo City	2	8871T37	Servocity	http://bit.ly/118YM8G
4	Channel Bracket	Servo City	2	585506	Servocity	http://bit.ly/1GyKfq0
5	Drive wheel adaptor	Servo City	2	595640	Servocity	http://bit.ly/1B7Pm00
6	Wheels		2	Wheelchair front wheels	Amazon	http://amzn.to/1Knjfeh
Batteries						
1	12V SLA battery		1	To power motor and electronics	Battery Spec	http://bit.ly/1Bnbxzi
2	12V Battery charger		1	To charge battery	Battery Spec	http://bit.ly/1R98UmB
3	Battery cable		1	Additional cable to provide connection to electronics	Battery Spec	http://bit.ly/1HTI15q
4	Switching regulator	DROK	1	Step down voltage from 12V to 9V to power Arduino	Amazon	http://amzn.to/1IP8hWA
Platform materials						
1	3/4" thick plywood 14"x31"		1	Everything goes onto this		
2	1/8" thick acrylic sheet 18"x12"		1	For electronics housing - optional		
3	1" diameter PVC pipes		~15 feet	For table platform		
4	1" T-junction PVC pipe connector		2	For table platform		
5	1" elbow PVC pipe connector		6	For table platform		
6	Clamping mount 7/8"	Servo City	4	For table platform 8871T35	Servocity	http://bit.ly/118YM8G
7	Lap Tray		1	As a table platform	Amazon	http://amzn.to/1IkWKq8
If building a Baby Cruiser						

1	Baby Cruizer	Go-go Babyz	1		Go-go Babyz	http://bit.ly/1Ldc1v8
					Amazon	http://amzn.to/1GK75wF
	<i>If building DIY platform</i>					
1	Two by Fours		8 feet	For DIY platform		
2	Eye hooks		4	To secure car seat to platform	Amazon	http://amzn.to/1RPV5ts
3	Casters		2	Front wheels	Amazon	http://amzn.to/1GMik2o