

# For Electronic Learning

book: Beginning Arduino book by McRoberts  
(All cost is just an approximation)

www.robotshop.com, or www.adafruit.com, www.amazon

## Minium to have

Electronic device & accessories

\$	85.00	<a href="#">Adafruit ARDX - v1.3 Experimentation Kit for Arduino (Uno R3) - v1.3</a>	
\$	27.00	<a href="#">Arduino Motor Shield</a>	<a href="http://arduino.cc/en/Main/ArduinoMotorShieldR3">http://arduino.cc/en/Main/ArduinoMotorShieldR3</a>
\$	5.00	<a href="#">170 Tie Point Mini Solderless Breadboard</a>	
\$	6.00	<a href="#">830 Tie Point Interlocking Solderless Breadboard</a>	
\$	5.00	<a href="#">3or more photocells</a>	
\$	5.00	<a href="#">3or more rgb leds</a>	
\$	3.00	<a href="#">10-pack M-M 6" Red</a>	
\$	3.00	<a href="#">10-pack M-M 6" Black</a>	
\$	3.00	<a href="#">10-pack F-F 6" Red</a>	
\$	3.00	<a href="#">10-pack F-F 6" black</a>	
\$	3.00	<a href="#">10-pack F-M 6" any color</a>	
\$	10.00	400-Piece-Value-Resistor	most commonly used resistors: 43K, 82K,200, 10K,
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\$	148.00		

Tools for Electronic work (I bought most of these from either Amazon, Robotshop or homedepot)

\$	6.00	wire stripper	
\$	11.00	Etekcity Digital LCD Voltmeter Ammeter Ohmmeter Multimeter Volt AC DC Tester Meter	
\$	17.00	Extech TL809 Electronic Test Lead Kit (this may come with the multimeter you get. Check before you purchase)	
\$	9.00	Six Piece Precision Screwdriver Set	
\$	11.00	Stanley SortMaster Organize, I got 014026R and 014725 (up to you )	
\$	12.00	Antistatic Bags, Resealable, 10X14, 10 Packanti-Static bags	
\$	14.00	<a href="#">Precision Pliers Set such as this one including needle nose piler &amp; wire cutters,etc.</a>	
(I personally like Kobalt 6-Piece Mini Pliers Set)			
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\$	80.00		

**Really Good to have :**

\$ 109.00 Logic Analyzer - Saleae Logic 4

<https://www.saleae.com/>

Get into hardware hardware design

\$ 12.00 6 Inch LCD Digital Caliper with Extra Battery and Case

\$ 10.00 Polymorph - 50g (for quick prototyping )

