

COMPONENTS				QTY	If Reused
Alligator clips	Jameco #256525	Bitsbox.co.uk #CN262		4	2
Battery (9 V)				16	1
Battery clip (9 V)	Jameco #11280	Bitsbox.co.uk #BAT033		14	2
Battery, 1.5 V alkaline (C)	Jameco #2112428	Bitsbox.co.uk #BAT040		2	1
Breadboard	Jameco #20601	Bitsbox.co.uk #CN329		9	1
Breadboard (large)	Jameco #2212218	Bitsbox.co.uk #CN204		1	1
Breadboard jumper wires	Jameco #2237044	Bitsbox.co.uk #CN236		8	1
Buzzer	Jameco #24872	Bitsbox.co.uk #ST016		2	1
Capacitor (1 µF), nonpolarized	Jameco #768183	Bitsbox.co.uk #CC006		1	1
Capacitor (1 µF)	Jameco #29831	Bitsbox.co.uk #EC1U063		2	1
Capacitor (10 µF)	Jameco #29891	Bitsbox.co.uk #EC10U25		2	1
Capacitor (10 nF)	Jameco #15229	Bitsbox.co.uk #CC10N		2	1
Capacitor (1000 µF)	Jameco #158298	Bitsbox.co.uk #EC1KU25		2	1
Circuit board	Jameco #2191488	Bitsbox.co.uk #HW005		4	4
DC barrel jack adapter	Jameco #2227209	Bitsbox.co.uk #CN424		2	1
DC wall adapter (5 V)	Jameco #2126125	Bitsbox.co.uk #TF010		2	1
DIP switch, 4-position	Jameco #38820	Bitsbox.co.uk #SW042		1	1
DIP switch, 8-position	Jameco #696984	Bitsbox.co.uk #SW098		1	1
DPDT or SPDT relay	Jameco #842996	Bitsbox.co.uk #SW073		1	1
Fan (DC 12 V)	Jameco #1708465	Bitsbox.co.uk #AF002		1	1 <i>Try It Out project</i>
IC (4011 NAND-gate)	Jameco #12634	Bitsbox.co.uk #QU018		1	1
IC (555 timer)	Jameco #904085	Bitsbox.co.uk #QU001		4	1
IC (74LS08)	Jameco #46375	Bitsbox.co.uk #QU109		1	1
IC (decade counter 4017)	Jameco #12749	Bitsbox.co.uk #QU020		1	1
IC inverter (74LS04)	Jameco #46316	Bitsbox.co.uk #QU108		1	1
IC with two D flip-flops	Jameco #48004	Bitsbox.co.uk #QU193		1	1
LED (RGB with common anode)	Jameco #2219567	Bitsbox.co.uk #OP100		1	1
LED, standard (blue)	Jameco #2193889	Bitsbox.co.uk #OP033		10	8
LED, standard (green)	Jameco #34761	Bitsbox.co.uk #OP003		8	5
LED, standard (red)	Jameco #333973	Bitsbox.co.uk #OP002		6	5
Light bulb, small incandescent (9 to 12 V)	DigiKey #CM394-ND	Bitsbox.co.uk #OP037		1	1
Magnets, disc	Jameco #2181319	Bitsbox.co.uk #HW145		7	5
Photoresistor	Jameco #202454	Bitsbox.co.uk #ST004		1	1
Potentiometer (10 kΩ)	Jameco #2118791	Bitsbox.co.uk #VR004		3	2
Potentiometer (100 kΩ)	Jameco #2161406	Bitsbox.co.uk #VR006		1	1
Pushbutton	Jameco #119011	Bitsbox.co.uk #SW087		9	5
Resistor (1 kΩ)	Jameco #690865	Bitsbox.co.uk #CR251K		9	5
Resistor (10 kΩ)	Jameco #691104	Bitsbox.co.uk #CR2510K		3	3
Resistor (100 kΩ)	Jameco #691340	Bitsbox.co.uk #CR25100K		3	3
Resistor (100 Ω)	Jameco #690620	Bitsbox.co.uk #CR25100R		12	12
Resistor (220 Ω)	Jameco #690700	Bitsbox.co.uk #CR25220R		3	3
Resistor (330 Ω)	Jameco #661386	Bitsbox.co.uk #CR25330R		16	10
Speaker (8 Ω)	Jameco #1954818	Bitsbox.co.uk #ST063		2	1
Switch	Jameco #581685	Bitsbox.co.uk #SW018		1	1
Thermistor (10 kΩ)	Jameco #207037	Bitsbox.co.uk #ST021		1	1 <i>Try It Out project</i>
Transistor BC547	Jameco #254801	Bitsbox.co.uk #QD011		1	1
Transistor 2N3904	Jameco #38359	Bitsbox.co.uk #QD018		2	2
Transistor PN2222A	Jameco #178511	Bitsbox.co.uk #QD101		1	1 <i>Try It Out project</i>
Wire, copper				24 in	
Wire, exposed	Jameco #2098478		Rapidonline.com #05-0320	2 in	
Wire, insulated solid-core	Jameco #36792	Bitsbox.co.uk #W106BK		31 ft	

TOOLS						
Multimeter	Jameco #2206061	Bitsbox.co.uk #TL057	Rapidonline.com #55-6662			
Scissors						
Screwdriver						
Soldering iron	Jameco #116572	Bitsbox.co.uk #TL031				
Solder wick	Jameco #153462	Bitsbox.co.uk #HW082				
Solder wire	Jameco #94570	Bitsbox.co.uk #HW022				
Sponge (for soldering iron)						
Stand (for soldering iron)	Jameco #36329	Bitsbox.co.uk #TL032				
Tape						
Wire cutter	Jameco #35482	Bitsbox.co.uk #TL008				
VARIETY PACKS						
LEDs, variety pack	Jameco #18041	Bitsbox.co.uk #K033				
Resistors, variety pack	Jameco #2217511	Bitsbox.co.uk #K017				
OTHER SUPPLIES						
Aluminum foil						
Bolt					1	
Cup, disposable					1	
Lemons					4	
Nails, galvanized					4	
Paperclips						
Plastic tube					1	