

Sheet1

<b>Description</b>	<b>Rapid electronics part number</b>	<b>Quantity per person including instructor</b>
Battery – 9 Volt PP3	18-4230	1
Breadboard – type with power strips top and bottom	34-0650	1
Battery Clip	18-0084	1
Bulb – wire ended, 12V 0.08A	41-0190	2
Insulated solid core wire	“01-0102	
100R Resistor	62-0346	4
100k resistor	62-0418	2
10k resistor	62-0394	2
1k resistor	62-0370	2
220R resistor	62-0354	5
Red LED 80mcd	56-0250	5
Diode 1N4148	47-3309	1
2N3704 Transistor	81-0272	4
100uF axial capacitor (15V or more)	11-2947	2
10uF axial capacitor (15V or more)	“11-2959	2
22k resistor	62-0402	2
4k7 resistor	62-0386	2
47k resistor	62-0410	2
8 Ohm speaker	35-0130	1
470pF ceramic disk capacitor	08-0180	1
100nF ceramic disk capacitor	08-0235	1
10nF ceramic disk capacitor	08-0230	2
4017 Decade counter IC	83-0340	1
Light Dependent Resistor	58-0134	1
Potentiometer 100k linear	65-0730	1
<b>4B Pencils</b>		1
<b>Salt</b>		
<b>Plastic cups</b>		

Resistors should be ¼ watt. Please try and get ones with “four band” markings, not “five band” (ie r

not from Maplin!)