

Lesson topic: Electric circuits. Electric current and voltage.
SCIENCE HOMEWORK (*Due in a week*)

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1. Learn new words and revise the old ones.

Electric circuit		Cell		Switch	
Voltage (V – volts)		Wire		Buzzer	
Current (A – amperes, amps)		Electronic components			

5. Go to the PhET online virtual circuit construction lab.
Click the link or scan the QR code



Do the following tasks:

a. Make a circuit containing a cell, a switch, and a light bulb.



b. Close the switch to make sure the circuit is working.

c. Drag and drop a voltmeter from the right panel. Use its pins to measure the voltage across the battery (touch a positive and a negative terminals with different pins). **Write down the reading using a number and a unit.**

Voltmeter
reading



d. Drag and drop an ammeter from the right panel. Hover the target over any part of the circuit to measure the current. **Write down the reading using a number and a unit.**

Ammeter
reading



e. How can we increase current? Practice by adding other components, measure the current again and write down your observation.

To increase electric current in a circuit we can