London Gates Education Group
International Education Centre

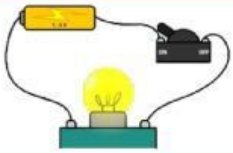
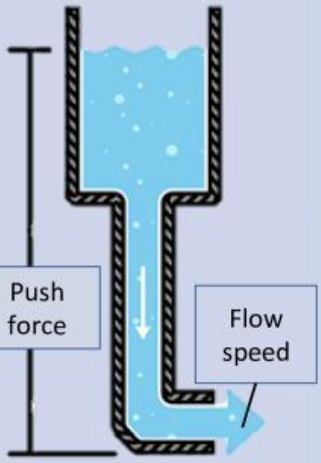
DATE: _____ NAME _____

Teacher: Sergey GROUP E3

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

_____ of 7

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 ink 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

LIVEWORKSHEETS