**Topic**

Light up your home!

**Objective**

Design an electric circuit for a house made up of a living room, bedroom, kitchen and bathroom. Calculate the power and energy usage based on the type of light bulbs used. Calculate the electrical bill cost based on the provided kWh costs.

**Team:**

Students’ Names:

1. Marwan Kakish……………………………………

2. Lamar Al Azzeh………………………………

3. Amir Al Momaiz……………………………

4. Angelina Sahouri……………

**Selected Title/ Theme:**

Home simulated electric circuit and circuit diagrams (living room, bedroom, kitchen, and bathroom)

Excel spread sheet for calculation of total cost, the power output, and electrical bill.

**Resources:**

List of the resources used, please copy and paste the URL of used resources here:

1. <https://phet.colorado.edu/sims/html/circuit-construction-kit-dc/latest/circuit->constructionkidc\_all.html

2. https://www.circuit-diagram.org/

3. <https://www.nrc.gov/docs/ML1025/ML102530301.pdf>

**Your Submission:**

Submission document: uploaded to all subjects on LMS as a word file / PDF file by one team member only.