**Topic**

Light up your home!

**Objective**

Students will research and design electrical circuits for the lightning systems that best serve a house made up of a living room, bedroom, kitchen and bathroom. Ignoring other electrical appliances such as ACs, TV and Kitchen Appliances. You are not limited to any number of items but you do have a limited budget of 500 JDs

**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.