

Work Sheet

1. **Class :** Grade 8 **Subject :** Science **Relevant Week :** 1st week August

2. **Unit :** 10 **Electricity**

3. **The learning outcomes that should be gain from the lessons relevant to this week :**

- I. Conduct simple activities to show the thermal effect, the lighting effect, the magnetic effect and the chemical effect of electricity.
- II. Investigate applications of the thermal effect of electricity in day to day life
- III. Construct innovative products using the effects of electricity.

4. **Tasks to be done by the student:**

- I. Read and understand the 10th lesson in school text book “Electricity”
- II. Construct a circuit by connecting a dry cell, a bulb, a switch and connecting wires. (Get help from an adult.)
- III. Observe the brightness of the bulb while increasing number of dry cells.
- IV. Set up a circuit for lighting decoration using LED bulbs, dry cells, switches, and connecting wires. (With the help of adults)

5. **The books that can be refer for above activities, websites, LMS lessons and other quality inputs (online, offline, printed) are :**

I. **Websites:**

- https://drive.google.com/file/d/1IH9s25MCWOIqkJxJ9Sro22xGaScvnnA_/view
- classroom.google.com/

II. **Youtube:**

- <https://www.youtube.com/watch?v=-okqPSNTR-8>
- https://www.youtube.com/watch?v=D_bdxZgAkds
- <https://www.youtube.com/watch?v=Htcqu4BirAQ&t=10s>

III. **e -thaksalawa**

- <https://www.e-thaksalawa.moe.gov.lk/moodle/course/view.php?id=123&lang=si>
- https://www.ethaksalawa.moe.gov.lk/moodle/pluginfile.php/276055/mod_resource/content/2/grade%208%20lesson%2010.pdf

iv. e-nenapiyasa

- <https://www.enenapiyasa.lk/lms/mod/page/view.php?id=25701>

1) Evaluation / Assessment Methodology:

- 1) What is known as the lighting effect of the electric current?
- 2) There is a high demand for lamps made of LEDs than for other types of electric lamps. Explain the reasons for this.
- 3) What is the magnetic effect of electric current?
- 4) Give examples for instances where electromagnets are used.
- 5) What is the chemical effect of electric current?
- 6) Write down the instances where electroplating is used

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