

Worksheet

1. Class : **Grade 8** Subject: **Science** Relevant week : **3rd week of August**

2. Unit : **10** Electricity

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

- I. Construct a simple electromagnet and demonstrate the methods of changing its strength
- II. Construct simple working models using the magnetic effect of electricity
- III. Demonstrate the application of the chemical effect of electricity in day to day life.

4. Task to be done by the student:

- I. Read carefully and understand the 10th lesson in text book (Page numbers- 38-40)
- II. Study the function of a compass carefully
- III. If you have a compass, observe what happens to the needle when a magnet is brought towards the compass
- IV. Observe the electromagnets in electrical appliances that discarded (Under the guidance of your adult)
- V. Observe well an electric bell and construct an electric bell yourself.

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

I. Youtube:

- https://www.youtube.com/watch?v=D_bdxZgAkds
- <https://www.youtube.com/watch?v=Htcqu4BirAQ&t=10s>
- <https://www.youtube.com/watch?v=S26lMiVCoQQ>
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II. 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

III. e- nenapiyasa

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

6. Evaluation / Assessment Methodology:

- 1) The diagram shows a simple electromagnet.
Write down three factors that the strength of an electromagnet depends on.

1.
2.
3.

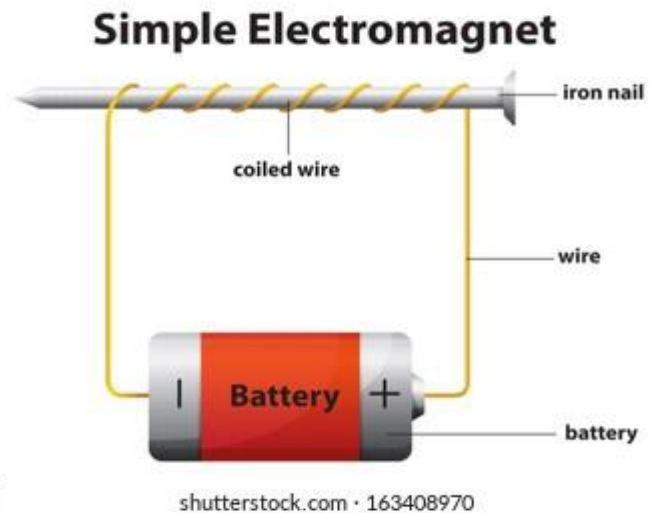
- 2) Name 5 appliances that electromagnets are used

- 3) Write down 5 appliances where the heat effect of electric current use effectively.

- 4) Name two devices used to cool the circuit components that generate heat unnecessarily

- 5) Write down two factors that should be considered when an LED is connected to a circuit.

- 6) Write down examples where electroplating is used.



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