DIGITAL TEACHING
in natural scientific subjects

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Worksheet Faraday's Law

Subject: Physics
Topic: Faraday´s Law
Class: 3
Time: 8 minutes

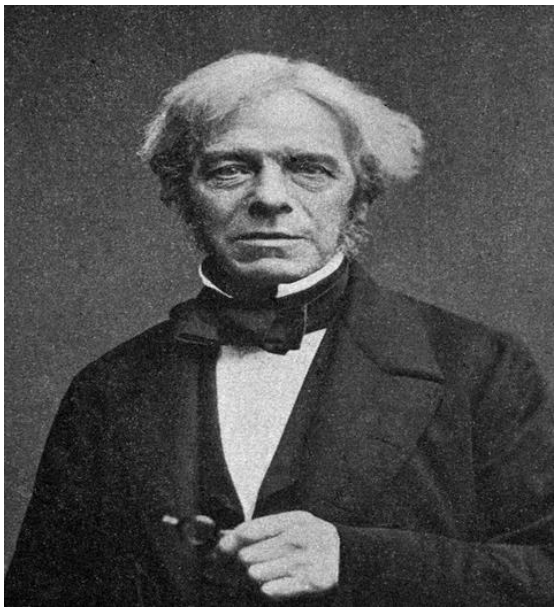
Tools : mobile phone

About Faraday's Law:

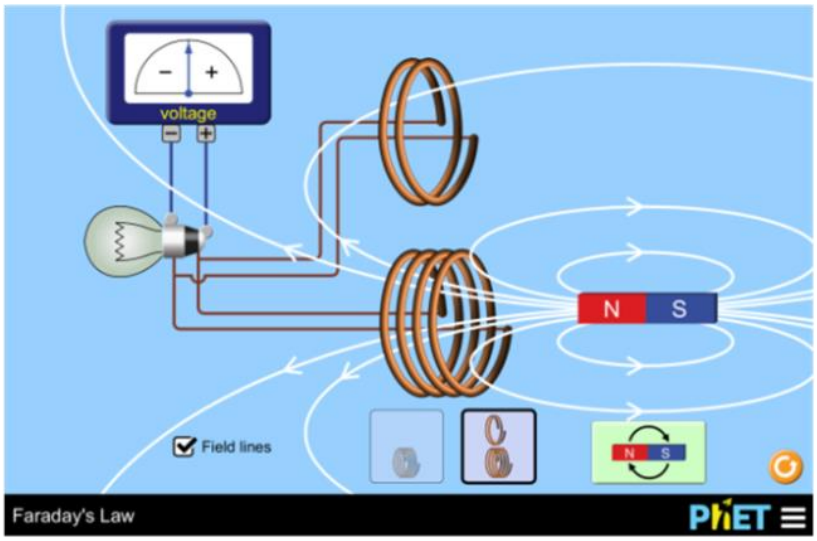
The law of electromagnetic induction - is the physical law that Michael Faraday pronounced in 1831. This law deals with the generation of electrical voltage in a closed electrical circuit, which is caused by a change in the magnetic induction flux, which is referred to as electromagnetic induction.

Induced electromotive voltage -if we place a closed electrical circuit in the magnetic field, the electrical circuit does not run an electric current if the magnetic field is stationary. However, the electrical circuit may start to pass through the electrical current if one or more of the following situations occur:

- the coil starts to move
- the magnetic field sources begin to move
- the magnetic field will change, for example due to the change in the electric currents that are the source of the magnetic field



Task 1: Install the program using QR code located at the bottom of the paper. After you download it, turn it on. It should look like this :



Task 2: Try to figure out how to turn on a light bulb.

Conclusion : What we had to do to turn on the bulb? What was being created ?

PhET
INTERACTIVE SIMULATIONS