

## Changing electromagnetic fields

After completing this section, students should be able to do the following.

- Explain original Faraday's experiment.
- Name two types of electromotive Force (EMF)
- Apply Faraday's Law to simple structures.
- State Lenz's law.
- Apply Lenz's law to simple circuits (find the direction of current).
- Explain how transformer works.
- Describe transformer EMF.
- Observe a flying ring and falling magnet experiments and explain observations using Faraday's law, Lenz's law and electromagnetic forces.