

# Grade 13 Physics Syllabus

## Term 1

### Module I: Electricity and Magnetism

- Electrical Quantities
- Electrical Circuits
- Electric Fields
- Capacitors
- Magnetic Fields
- Magnetic Forces
- Electromagnetic Induction

### Module II: A.C Theory and Electronics

- Alternating Currents
- The p-n Junction Diode

## Term 2

### A.C Theory and Electronics

- Transducers
- Operational Amplifiers
- Logic Gates

### Module III: Atomic Physics

- Particulate nature of electromagnetic radiation
- Atomic Structure
- Radioactivity