

## IGCSE PHYSICS Syllabus

### 8th FORMS

- Chapter 1 :Measurement and conversion of units  
Speed and distance time graphs  
Velocity and acceleration
- Chapter 2 :Force and Movement  
Types of forces  
Balanced unbalanced forces
- Chapter 3 Weight and friction  
Force acceleration relation
- Chapter 8 Electric charge  
Conductor and Insulators
- Chapter 9 Current and voltage  
Series and parallel Circuits
- Chapter 10 Resistance and Ohm's Law
- Chapter 13 Light waves; Luminous and non-luminous objects  
Reflection
- Chapter 15 Types of Energy  
Conservation and energy  
Energy diagrams
- Chapter 16 Conduction  
Convection and Radiation
- Chapter 17 Work and Power
- Chapter 18 Energy Resources  
Renewable and non-renewable resources
- Chapter 19 Density  
Pressure of solids  
Pressure of Liquids
- Chapter 20 Solid, Liquid and Gas  
Conversion of Kelvin-Celsius

## **9 A' level**

- Chapter 1    Graphs
- Chapter 2    Movement and Position
- Chapter 3    Forces and Shape
- Chapter 4    Forces and Movement
- Chapter 5    Momentum
- Chapter 6    The Turning Effect of Forces
- Chapter 7    Astronomy
- Chapter 8    Mains Electricity
- Chapter 9    Electric Charge
- Chapter 10    Current and Voltage in Circuits
- Chapter 11    Electrical Resistance
- Chapter 12    Properties of Waves
- Chapter 13    Using Waves

## **10 A' Level**

- Chapter 1    Light Waves
- Chapter 2    Sound
- Chapter 3    Energy Transfers
- Chapter 4    Thermal Energy
- Chapter 5    Work and Power
- Chapter 6    Energy Resources and Electricity Generation
- Chapter 7    Density and Pressure
- Chapter 8    Solids, Liquids and Gases
- Chapter 9    Magnetism and Electromagnetism
- Chapter 10    Electric Motors and Electromagnetic Induction
- Chapter 11    Atoms and Radioactivity
- Chapter 12    Radiation and Half-life
- Chapter 13    Applications of Radioactivity
- Chapter 14    Particles