

A level Physics Topics

Unit 1: Light	
General Unit Objectives	
Sub-Unit 1: Reflection of Light at a Plane Surface	
Sub-Unit 2: Reflection of Light at Curved Surfaces	
Sub-Unit 3: Refraction of Light at Plane Surfaces	
Sub-Unit 4: Refraction of Light through Triangular Prisms	
Sub-Unit 5: Refraction through a Thin Lens	
Sub-Unit 6: Optical Instruments	
Unit 2: Mechanics	
Sub-Unit 1: Physical Quantities and their Units	
Sub-Unit 2: Kinematics	
Sub-Unit 3: Newton's Laws of Motion	
Sub-Unit 4: Solid Friction	
Sub-Unit 5: Work, Energy and Power	
Sub-Unit 6: Statics	
Sub-Unit 7: Fluid Flow	
Sub-Unit 8: Mechanical Properties of Matter	
Sub-Unit 9: Surface Tension	
Sub-Unit 10: Uniform Motion in a Circle	
Sub-Unit 11: Gravitation	
Sub-Unit 12: Simple Harmonic Motion	
Unit 3: Waves	
Sub-Unit 1: Basic Properties of Waves	
Sub-Unit 2: Wave Theory	
Sub-Unit 3: Interference of Waves	
Sub-Unit 4: Diffraction of Waves	
Sub-Unit 5: Stationary Waves	
Sub-Unit 6: Resonance	
Sub-Unit 7: Sound	
Sub-Unit 8: Polarisation of Waves	
Unit 4: Thermal Properties of Matter	
Sub-Unit 1: Thermometry	
Sub-Unit 2: Specific Heat	
Sub-Unit 3: Change of State	
Sub-Unit 4: Gas Laws	
Sub-Unit 5: Kinetic Theory of Gases	
Sub-Unit 6: Vapours	



Sub-Unit 7: Thermodynamics.....
Sub-Unit 8: Transfer of Heat.....
Sub-Unit.9: Survey of Energy.....
Unit 5A: Electrostatics and Current Electricity.....
Sub-Unit 1: Electrostatics.....
Sub-Unit.2: Electric Field.....
Sub-Unit 3: Capacitors.....

Sub-Unit 4: Current Electricity.....
Unit 5B: Electronic Devices.....

Sub-Unit 5: Cathode Ray Oscilloscope.....
Sub-Unit 6: Transistors.....
Unit 6: Electromagnetism.....
General Unit Objectives.....
Sub-Unit 1: Magnetism in Matter.....
Sub-Unit 2: Magnetic Effect of an Electric Current.....
Sub-Unit 3: Force on a Current-Carrying Conductor.....
Sub-Unit 4: Electromagnetic Induction.....
Sub-Unit 5: A.C. Circuits.....
Unit 7: Atomic and Nuclear Physics.....

Sub-Unit 1: Charged Particles.....
Sub-Unit 2: Quantum Theory.....
Sub-Unit 3: Nuclear Physics.....
Sub-Unit 4: Radioactivity.....