

CBSE Class 9 & 10 Physics Syllabus

Class 9 Physics

- Motion: Distance & Displacement, Speed & Velocity, Uniform & Non-uniform Motion, Acceleration, Equations of Motion, Motion Graphs.
- Force and Laws of Motion: Force, Balanced & Unbalanced Forces, Newton's Laws, Momentum, Conservation of Momentum.
- Gravitation: Universal Law, Free Fall, g , Mass & Weight, Thrust & Pressure, Buoyancy, Archimedes' Principle, Relative Density.
- Work and Energy: Work, Energy, Kinetic & Potential Energy, Conservation of Energy, Power, Commercial Unit of Energy.
- Sound: Production, Propagation, Characteristics of Sound Waves, Reflection, Echo, SONAR, Human Ear.

Class 10 Physics

- Light – Reflection and Refraction: Spherical Mirrors, Mirror Formula, Magnification, Refraction, Refractive Index, Lenses, Lens Formula, Power of Lens.
- Human Eye and the Colourful World: Human Eye, Defects of Vision, Correction, Dispersion, Atmospheric Refraction, Scattering, Rainbow, Tyndall Effect.
- Electricity: Charge, Current, Potential Difference, Circuits, Ohm's Law, Resistance, Series & Parallel Combination, Heating Effect, Electric Power, Commercial Unit.
- Magnetic Effects of Electric Current: Magnetic Field, Field Lines, Current-Carrying Conductors, Fleming's Left-Hand Rule, Electromagnetic Induction, Motor, Generator, Domestic Electric Circuits, Fuse & MCB.