

# CBSE Class 9 Syllabus

**Subjects: Physics, Chemistry & Mathematics**

## Physics

Chapter	Topics
Motion	Distance-time graph; Speed; Velocity; Acceleration; Uniform & non-uniform motion
Force & Laws of Motion	Balanced & unbalanced forces; Newton's Laws; Inertia; Momentum
Gravitation	Universal law; Free fall; Mass vs weight; Thrust; Pressure
Work & Energy	Work done; Energy forms; Kinetic & potential energy; Power
Sound	Production & propagation; Longitudinal waves; Frequency; Echo; SONAR

## Chemistry

Chapter	Topics
Matter in Our Surroundings	States of matter; Properties; Evaporation; Condensation
Is Matter Around Us Pure?	Mixtures; Solutions; Suspension; Colloids; Separation techniques
Atoms & Molecules	Laws of chemical combination; Mole concept; Chemical formulas
Structure of the Atom	Subatomic particles; Bohr model; Valency; Isotopes & isobars

## Mathematics

Chapter	Topics
Number Systems	Rational & irrational numbers; Real number representation; Exponents
Polynomials	Types; Coefficients; Algebraic identities
Coordinate Geometry	Cartesian plane; Plotting points
Linear Equations in Two Variables	Solutions; Graphical representation
Euclid's Geometry	Postulates; Axioms; Theorems
Lines & Angles	Parallel lines; Angle relationships
Triangles	Congruence rules; Properties; Inequalities
Quadrilaterals	Types; Properties; Parallelogram theorems
Areas of Parallelograms & Triangles	Area relationships; Basic theorems
Circles	Radius; Diameter; Chord; Arc; Segment
Heron's Formula	Area of triangles & quadrilaterals
Surface Area & Volume	Cube; Cuboid; Cylinder
Statistics	Mean; Median; Mode; Data representation
Probability	Basic probability calculation