

## Apollox (Class 11th)

Mental Ability	All topics included in class 10th syllabus and logic based puzzles.
Mathematics	Topics covered till class 10th and Sets, Relations and Functions, Quadratic Equations, Progressions and Inequalities, Logarithms, Combinatorics, Binomial Theorem, Probability, Analytical Geometry, Coordinate Geometry; Straight Lines, Circles, Parabola, Ellipse, Hyperbola, Complex Numbers.
Physics	Units and Dimensions, Experiments included in Class 11th curriculum, Kinematics in 2 dimensions, Newton's Laws of Motion, Frame of motion, Friction, Work, Power and Energy, Rigid Body Dynamics, Simple Harmonic Motion, Fluids, Mechanics of Solids, Thermal Physics: Heat, Laws of Thermodynamics, Radiation, Gravitation.
Chemistry	Mole Concept, Stoichiometry, Atomic Structure, Chemical Bonding, Molecular Orbital Theory, Chemical Equilibrium, Ionic Equilibrium, States of Matter, Wave Functions, Chemical Thermodynamics, Maxwell Distribution, Chemical Kinetics, Group 13, Group 14, S block, Hydrogen, Basic Principles of Organic Chemistry, General Organic Chemistry: Electronic Effects, Acidic and Basic Strength, Intermediates and Bond Cleavage, Structural Isomers, Stereoisomers including naming conventions and multi stereocentres.

Note:- Expect JEE Advanced standards.