

Class 9 – Science & Maths

Course Syllabus

Science

Module 1: Matter and Its Purity

Topics: states of matter, mixtures, solutions, separation methods

Module 2: Atoms, Molecules and Atomic Structure

Topics: atoms, molecules, mole concept, electrons, protons, neutrons

Module 3: Cell and Tissues

Topics: cell structure, plant and animal tissues

Module 4: Diversity of Living Organisms

Topics: classification of plants and animals

Module 5: Motion

Topics: speed, velocity, acceleration, graphs

Module 6: Force and Laws of Motion

Topics: Newton's three laws, momentum

Module 7: Gravitation

Topics: gravity, weight, buoyancy and floating

Module 8: Work, Energy and Sound

Topics: work and power, kinetic and potential energy, sound waves

Module 9: Health and Natural Resources

Topics: diseases, air, water and soil cycles, improving food resources

Mathematics

Module 10: Number Systems

Topics: rational and irrational numbers, real numbers, laws of exponents

Module 11: Polynomials

Topics: terms and degree, zeroes, remainder theorem, identities

Module 12: Coordinate Geometry

Topics: the Cartesian plane and plotting points

Module 13: Linear Equations in Two Variables

Topics: forming equations and drawing graphs

Module 14: Lines, Angles and Triangles

Topics: angle properties, congruent triangles, triangle rules

Module 15: Quadrilaterals and Circles

Topics: parallelograms, mid-point theorem, chords and angles

Module 16: Areas and Volumes

Topics: Heron's formula, surface areas and volumes of solids

Module 17: Statistics and Probability

Topics: tables, graphs, mean-median-mode, simple probability