

Class 10 – Science & Maths

Course Syllabus

Science

Module 1: Chemical Reactions, Acids and Bases

Topics: balancing equations, types of reactions, acids, bases and salts

Module 2: Metals, Non-metals and Carbon

Topics: reactivity series, carbon compounds

Module 3: Life Processes

Topics: nutrition, breathing, transport and excretion

Module 4: Control, Coordination and Reproduction

Topics: nervous system, hormones, how living things reproduce

Module 5: Heredity and Evolution

Topics: inherited traits, genes, how species change

Module 6: Light

Topics: reflection, refraction, mirrors and lenses

Module 7: The Human Eye and Colourful World

Topics: eye defects, spectacles, rainbow, scattering

Module 8: Electricity and Magnetic Effects

Topics: Ohm's law, circuits, magnetic field, electric motor

Module 9: Our Environment

Topics: ecosystem, food chains, waste, ozone layer

Mathematics

Module 10: Real Numbers and Polynomials

Topics: HCF and LCM, irrational numbers, zeroes of polynomials

Module 11: Pair of Linear Equations

Topics: solving by graph, substitution and elimination

Module 12: Quadratic Equations

Topics: factorisation, formula method, nature of roots

Module 13: Arithmetic Progressions

Topics: terms, nth term, sum of terms

Module 14: Triangles and Circles

Topics: similar triangles, tangents to a circle

Module 15: Coordinate Geometry

Topics: distance formula, section formula, area of a triangle

Module 16: Trigonometry

Topics: ratios, identities, heights and distances

Module 17: Mensuration

Topics: areas related to circles, surface areas and volumes

Module 18: Statistics and Probability

Topics: mean, median and mode of grouped data, probability