

**CLASS 11<sup>TH</sup> + 12<sup>TH</sup> COURSE FLOW**

MONTH	MATHEMATICS	PHYSICS	CHEMISTRY	BIOLOGY
MAY 2024	BRIDGE COURSE	BRIDGE COURSE	BRIDGE COURSE	BRIDGE COURSE
JUNE 2024	Sets, Sequence and Series, Summation	Vectors, Kinematics, Derivatives	Mole concepts, Redox reaction	The Living world, Biological Classification, Plant Kingdom
JULY 2024	Basic Maths, Quadratic Equation	Kinematics continue, Forces	Atomic Structure	Animal Kingdom, Morphology of flowering plant, Anatomy of flowering plant
AUG 2024	Logarithm, Trigonometry, Trigonometric Equations	Newton's Laws, Friction, Circular Motion	Periodic Table, Gaseous State	Anatomy of flowering plant, Structural organisation in animal, Cell: the unit of Life
SEP 2024	Binomial Theorem, Binomial theorem for any index	Circular Motion continue, Integration, work Power and Energy	Chemical Bonding Part 1 and Thermodynamics 1 <sup>st</sup> Law	Biomolecules, Cell cycle and cell Division
OCT 2024	Permutation and combinations	W/P/E, Centre of Mass, Conservation of Momentum	Chemical Bonding Part - 2, Thermochemistry	Transport in plants, Mineral Nutrition
NOV 2024	Coordinate geometry, Straight Lines, Pairs of straight lines	Collision, Pure rotational motion	Thermodynamics 2 <sup>nd</sup> law, IUPAC Nomenclature	Photosynthesis in Higher plants, Respiration in plants
DEC 2024	Circle, Solution of triangles	Combined translation and rotational motion, SHM	Chemical Equilibrium, Structural Isomerism	Plant Growth and development, Digestion and absorption, Breathing and exchange of Gases
JAN 2024	Complex Numbers, Matrix and Determinants	SHM Cont., Fluids Static and Dynamics	Ionic Equilibrium, stereo isomerism	Body Fluids and Circulation, Excretory Products and their elimination
FEB 2025	Relation and Function, I.T.F.	Surface Tension, properties of solids and liquids	Chemical Kinetics, Electronic Effects, Metallurgy	Locomotion and Movement, Neural control and coordination
	BREAK FOR EXAMS			Chemical Coordination and Integration, Reproduction in organism, Sexual Reproduction in flowering plant

MAR 2025	Limits, Continuity	Transverse wave on string, Sound waves	Solid state, s – block, Boron Family	BREAK for Exams
APR 2025	Differentiability, Differentiation, Application of derivatives	Gravitation, Wave Optics	Carbon family, reaction intermediates colligative properties	Sexual Reproduction in flowering plant (1 Lecture) , Human reproduction
MAY 2025	Conic Section, Parabola, Ellipse, Hyperbola	Geometrical Optics, Thermal Expansion, Calorimetric, KTG	Acidity-Basicity, Reaction Mechanism, Electrochemistry	Reproductive health, Principle of Inheritance and Variation,
JUNE 2025	Indefinite Integration, Definite Integration	Thermodynamics, Specific heat, Capacity of gases, Heat Transfer	Aliphatic, Aromatic hydrocarbons, surface chemistry	Molecular Basis of Inheritance, Evolution (2 Lectures)
JULY 2025	Area under Curves, Differential Equations	Electric Field and Potential, Gauss Law, Capacitance	Alkyl halides, Aryl halides, coordination compounds	Evolution (2 Lectures) Human Health and Disease
AUG 2025	Vectors and 3-D	Electric Current, effect of magnetic fields on charge	Alcohols, Phenol, Ethers, Qualitative Analysis	Strategies for Enhancement in Food production, Microbes in Human Welfare, Biotechnology: Principles and Processes
SEP 2025	Probability, Binomial Distribution, Probability Distribution	Magnetic Field due to current, EMI, Alternating Current	D block, F Block, Carbonyl Compound	Biotechnology and its Applications, Organism and Populations
OCT 2025	Statistics, Mathematical reasoning	Photoelectric affect, Matters waves, Nuclear and Modern Physics	Carboxylic Acids, Nitrogen Compounds, Bio Molecules, Polymer, Practical organic Chemistry	Ecosystem, Biodiversity and Conservation, Environmental Issues
NOV 2025	Revision + Test Series + Boards Mock Test	Revision + Test Series + Boards Mock Test	Revision + Test Series + Boards Mock Test	Revision + Test Series + Boards Mock Test
DEC 2025				
JAN 2026				

**Note:**

- (1) There May be slightly change in the order of teaching flow but Full course cover in the end of October 2025.
- (2) There will be a break of 20 days in Feb for school exams. Break will be as per the majority of student's exams in batch.
- (3) Mathsarc Education Reserves the rights to alter the course flow structure.
- (4) Decisions of Mathsarc are for the benefit of student's harmony.

