

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

MONTH	MATHEMATICS	PHYSICS	CHEMISTRY	BIOLOGY
MAY 2025	BRIDGE COURSE	BRIDGE COURSE	BRIDGE COURSE	BRIDGE COURSE
JUNE 2025	Wavy Curve, Modulus, Relation & Functions, Limits & Derivatives	Vectors, Kinematics, Derivatives	Mole concepts, Redox reaction	The Living world, Biological Classification, Plant Kingdom
JULY 2025	Sequence and Series	Kinematics continue, Forces	Atomic Structure	Animal Kingdom, Morphology of flowering plant, Anatomy of flowering plant
AUG 2025	Polynomials, Quadratic Equation	Newton's Laws, Friction, Circular Motion	Periodic Table, Gaseous State	Anatomy of flowering plant, Structural organisation in animal, Cell: the unit of Life
SEP 2025	Logarithm, Angles and its Measurements, Trigonometric Ratio & Identities	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 2025	Compound Angles, Min. & Max. $a \sin x + b \cos x$ , Trigo Graph, Miscellaneous Trigo	W/P/E, Centre of Mass, Conservation of Momentum	Chemical Bonding Part - 2, Thermochemistry	Transport in plants, Mineral Nutrition
NOV 2025	TE – Trigonometric Equation, Coordinate Geometry: Straight Lines	Collision, Pure rotational motion	Thermodynamics 2 <sup>nd</sup> law, IUPAC Nomenclature	Photosynthesis in Higher plants, Respiration in plants
DEC 2025	Pair of Straight Lines, Circles	Combined translation and rotational motion, SHM	Chemical Equilibrium, Structural Isomerism	Plant Growth and development, Digestion and absorption, Breathing and exchange of Gases
JAN 2026	Permutation & Combination, Binomial Theorem	SHM Cont., Fluids Static and Dynamics	Ionic Equilibrium, stereo isomerism	Body Fluids and Circulation, Excretory Products and their elimination
FEB 2026	Conic Section, Parabola, Ellipse	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 2026	Hyperbola, Complex Numbers	Transverse wave on string, Sound waves	Solid state, s – block, Boron Family	BREAK for Exams
APR 2026	Differentiation, Matrix & Determinant	Gravitation, Wave Optics	Carbon family, reaction intermediates colligative properties	Sexual Reproduction in flowering plant (1 Lecture) , Human reproduction
MAY 2026	Adjoint Properties + System of Linear Equation, Relations, Functions	Geometrical Optics, Thermal Expansion, Calorimetric, KTG	Acidity-Basicity, Reaction Mechanism, Electrochemistry	Reproductive health, Principle of Inheritance and Variation,
JUNE 2026	Functions, Graphical Transformation, ITF	Thermodynamics, Specific heat, Capacity of gases, Heat Transfer	Aliphatic, Aromatic hydrocarbons, surface chemistry	Molecular Basis of Inheritance, Evolution (2 Lectures)
JULY 2026	ITF, Limits	Electric Field and Potential, Gauss Law, Capacitance	Alkyl halides, Aryl halides, coordination compounds	Evolution (2 Lectures) Human Health and Disease
AUG 2026	Continuity, Differentiability, AOD	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 2026	AOD, Probability	Magnetic Field due to current, EMI, Alternating Current	D block, F Block, Carbonyl Compound	Biotechnology and its Applications, Organism and Populations
OCT 2026	Statistics, Probability Distribution, Vectors	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 2026	Vectors, 3-Dimensional Geometry, Indefinite Integration	Revision + Test Series + Boards Mock Test	Revision + Test Series + Boards Mock Test	Revision + Test Series + Boards Mock Test
DEC 2026	Definite Integration, Area Under Curve, Differential Equation			
JAN 2027	Miscellaneous + Mock Tests + PYQ			

- Note:** (1) JEE Main/ Adv Session 2025 – 2027 will end May 2027, Till all other competitive exams will over.  
(2) There May be slightly change in the order of teaching flow but Full course cover in the end of December 2026.  
(3) 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 the batch.  
(4) Mathsarc Education Reserves the rights to alter the course flow structure.  
(5) Decisions of Mathsarc are for the benefit of student's harmony.

## MATHEMATICS LECTURES DETAILS

Class XI – IIT JEE Main/ Advanced				
S. No.	Chapter Name & Flow	Allotted Lectures	Expected End Date	Remarks
1	Number System	2	May 2025	
2	Algebraic Expressions & Identities	2		
3	Set Theory	3		
Mathsarc Test No 1		1		
4	Wavy Curve	2	June 2025	
5	Modulus	2		
6	Relation & Functions	2		Homework
7	Limits & Derivatives	3		
Mathsarc Test No 2		1		
8	Sequence and Series	7	July 2025	Homework
Mathsarc Test No 3		1		
9	Polynomials	2	Aug 2025	Independence Day
10	Quadratic Equation (H.W. - Submit)	4		Janmashtami
Mathsarc Test No 4		1		Ganesh Chaturthi
11	Logarithm	3	Sep 2025	Onam
12	Angles and its Measurements	2		Durga Puja
13	Trigonometric Ratio & Identities	3		Homework
Mathsarc Test No 5		1		
14	Compound Angles	2	Oct 2025	Maha Navami
15	Min. & Max. $a \sin x + b \cos x$ , Trigo Graph	1		Dussehra
16	Miscellaneous Trigo (HW Submit)	1		Diwali
Mathsarc Test No 6		1		Chhath Puja
HAPPY DIWALI 2025 (17 <sup>th</sup> to 25 <sup>th</sup> Oct)				
Revision & PYQ for Full Syllabus Test No 7		1	30 Oct 2025	
17	TE – Trigonometric Equation	3	Nov 2025	
18	Coordinate Geometry: Straight Lines	5		
Mathsarc Test No 7		1		
19	Pair of Straight Lines	2	Dec 2025	Christmas

20	Circles	6		Homework
Mathsarc Test No 8		1		
HAPPY NEW YEAR 2026				
21	Permutation & Combination	5	Jan 2026	Homework
22	Binomial Theorem	4		Homework
Mathsarc Test No 9		1		Republic Day
23	Conic Section + Parabola	1	Feb 2026	
24	Parabola	4		
25	Ellipse	3		
Mathsarc Test No 10		1		
25	Hyperbola	3	Mar 2026	Gudi Padwa
26	Complex Numbers	5		
Mathsarc Full Test No 10		1		



## MATHEMATICS LECTURES DETAILS

Class XII – IIT JEE Main/ Advanced				
S. No.	Chapter Name & Flow	Allotted Lectures	Expected End Date	Remarks
1	Differentiation	3	Apr 2026	
2	Matrix & Determinant	5		Homework
Mathsarc Test No 1		1		
2	Adjoint Properties + System of Linear Eq	2	May 2026	
3	Relations	2		
4	Functions: Def, [ ], { }	1		
	Domain & Range	2		Eid
5	Monotonicity + Odd – Even fn	1		Homework
Mathsarc Test No 2		1		
	Periodic Functions	1	Jun 2026	
	Mapping of Function (One-One, Onto)	1		
	Composite Function	1		Homework
	Inverse & Functional Relationship	1		
6	Graphical Transformation	2		
7	ITF – Inverse Trigonometric Functions	2		
Mathsarc Test No 3		1		
7	ITF – Inverse Trigonometric Functions	2	Jul 2026	Homework
8	Limits	5		
9	Continuity	2		
Mathsarc Test No 4		1		
9	Continuity	2	Aug 2026	Homework
10	Differentiability	2		Homework
11	AOD – Applications of Derivatives	4		
Mathsarc Test No 5		1		
11	AOD – Applications of Derivatives	2	Sep 2026	Homework
12	Probability	6		Homework
Mathsarc Test No 6		1		
13	Statistics	3	Oct 2026	Homework

14	Probability Distribution (PD)	3		Homework
15	Vectors	3		Homework
Mathsarc Test No 7		1		
15	Vectors	1	Nov 2026	
16	3-Dimensional Geometry	4		Homework
17	II - Indefinite Integration	4		
Mathsarc Test No 8		1		
18	DI – Definite Integration	5	Dec 2026	Homework
19	Area Under Curve	3		Homework
19	DE – Differential Equation	4		Homework
Happy New Year 2027				
Miscellaneous + Mock Tests + PYQ				
JEE Main 1 – Best of Luck!				

Note: Revision Extra Classes will begin from 1<sup>st</sup> Week Oct 2026.

