📅 **Classes**: Every **Tuesday, Thursday, Saturday**

- 🕜 **Timing**: **7:30 PM – 8:30 PM**

- 📚 **Chapters**: As per NCERT index from *Relations and Functions* to *Probability*

- ✅ **Total**: 60 classes

📘 Class 12 Maths NCERT Study Schedule (Sep–Dec 2025)

Week 1–3: Relations, Inverse Trig, Matrices

Class	Date	Day	Chapter	Topics/Subtopics	Description
1	02/09/2025	Tuesday	Relations & Functions	Types of Relations	Reflexive, symmetric, transitive, equivalence.
2	04/09/2025	Thursday	Relations & Functions	Types of Functions	One-one, onto, bijective with examples.
3	06/09/2025	Saturday	Relations & Functions	Composition & Inverse Functions	Function operations and inverses.
4	09/09/2025	Tuesday	Inverse Trigonometric Fn.	Principal Values	Restricted domains.
5	11/09/2025	Thursday	Inverse Trigonometric Fn.	Properties, Graphs	Key identities, graphical analysis.
6	13/09/2025	Saturday	Inverse Trigonometric Fn.	Solving Equations	Using inverse trig to solve problems.
7	16/09/2025	Tuesday	Matrices	Intro & Types	Zero, diagonal, symmetric, etc.
8	18/09/2025	Thursday	Matrices	Operations	Add, multiply, scalar, transpose.

| 9 | 20/09/2025 | Saturday | Matrices | Properties | Properties of operations and transpose. |

Week 4–5: Determinants, Continuity & Differentiability

Class	Date	Day	Chapter	Topics/Subtopics	Description
10	23/09/2025	Tuesday	Determinants	Minors & Cofactors	Expansion using minors and cofactors.
11	25/09/2025	Thursday	Determinants	Properties of Determinants	Simplification techniques.
12	27/09/2025	Saturday	Determinants	Applications	Solving equations, area, Cramer's rule.
13	30/09/2025	Tuesday	Continuity & Differentiability	Continuity	Continuity at points and intervals.
14	02/10/2025	Thursday	Continuity & Differentiability	Differentiability	Basics and difference with continuity.
15	04/10/2025	Saturday	Continuity & Differentiability	Chain Rule, Derivatives	Rules and derivatives of composite/inverse functions.

Week 6–7: Applications of Derivatives

Class	Date	Day	Chapter	Topics/Subtopics	Description
16	07/10/2025	Tuesday	Applications of Derivatives	Rate of Change	Using derivatives in real-life scenarios.
17	09/10/2025	Thursday	Applications of Derivatives	Increasing/Decreasing Functions	Monotonicity using first derivative.
18	11/10/2025	Saturday	Applications of Derivatives	Maxima and Minima	Local/global maxima-minima.
19	14/10/2025	Tuesday	Applications of Derivatives	Tangents, Normals	Geometric meaning of derivatives.
20	16/10/2025	Thursday	Applications of Derivatives	Optimization Problems	Real-world optimization using derivatives.
21	18/10/2025	Saturday	Applications of Derivatives	Summary and Examples	Mixed examples and summary.

Week 8–10: Integration + Applications

Class	Date	Day	Chapter	Topics/Subtopics	Description
22	21/10/2025	Tuesday	Integration	Introduction + Standard Forms	Basics and formulas.
23	23/10/2025	Thursday	Integration	Methods: Substitution	Simple substitutions.
24	25/10/2025	Saturday	Integration	By Parts	Product rule for integrals.
25	28/10/2025	Tuesday	Integration	Partial Fractions	Rational functions.
26	30/10/2025	Thursday	Integration	Definite Integrals	Properties and applications.
27	01/11/2025	Saturday	Integration	Evaluation of Definite Integrals	Using limits and properties.
28	04/11/2025	Tuesday	Applications of Integrals	Area under Curves	Integration for area.
29	06/11/2025	Thursday	Applications of Integrals	Area between Curves	Difference of integrals for region.
30	08/11/2025	Saturday	Applications of Integrals	Mixed Examples	Practice problems.

Week 11–12: Differential Equations + Vectors

Class	Date	Day	Chapter	Topics/Subtopics	Description
31	11/11/2025	Tuesday	Differential Equations	Introduction, Order, Degree	Basic definitions and examples.
32	13/11/2025	Thursday	Differential Equations	General and Particular Solutions	Meaning and examples.
33	15/11/2025	Saturday	Differential Equations	Method of Separation of Variables	Solving simple equations.
34	18/11/2025	Tuesday	Differential Equations	Applications	Real-world problems.
35	20/11/2025	Thursday	Vectors	Basics & Types	Scalars vs vectors, types.
36	22/11/2025	Saturday	Vectors	Addition, Scalar Multiplication	Rules and examples.

Week 13–14: Vectors + 3D Geometry

Class	Date	Day	Chapter	Topics/Subtopics	Description
37	25/11/2025	Tuesday	Vectors	Dot Product, Cross Product	Vector algebra operations.
38	27/11/2025	Thursday	Vectors	Applications of Products	Geometric use in angles and areas.
39	29/11/2025	Saturday	3D Geometry	Direction Cosines & Ratios	Representation of lines.
40	02/12/2025	Tuesday	3D Geometry	Equation of Line	Forms of straight line in space.
41	04/12/2025	Thursday	3D Geometry	Plane Equations	Vector and Cartesian forms.
42	06/12/2025	Saturday	3D Geometry	Angle Between Line & Plane	Angle formulas and examples.

Week 15–16: Linear Programming + Probability

Class	Date	Day	Chapter	Topics/Subtopics	Description
43	09/12/2025	Tuesday	Linear Programming	Introduction + Constraints	Objective function, feasible region.
44	11/12/2025	Thursday	Linear Programming	Graphical Method	Solving using graphs.
45	13/12/2025	Saturday	Linear Programming	Practice Problems	Maximization and minimization.
46	16/12/2025	Tuesday	Probability	Conditional Probability	Concept and formula.
47	18/12/2025	Thursday	Probability	Bayes' Theorem	Solving using conditional probability.
48	20/12/2025	Saturday	Probability	Independent Events	Properties and examples.

Week 17–18: Probability (continued) + Revision

Class	Date	Day	Chapter	Topics/Subtopics	Description
49	23/12/2025	Tuesday	Probability	Total Probability Theorem	Complete law of probability.
50	25/12/2025	Thursday	Probability	Mixed Problem Practice	Full-chapter question solving.
51	27/12/2025	Saturday	Revision	Chapters 1–5 Review	Core concepts and formulae brushing.
52	30/12/2025	Tuesday	Revision	Chapters 6–13 Review	Mixed questions, doubts, prep wrap-up.