

Detailed Lesson Plan for CBSE Maths

Class - 9 Maths

S.N.	Unit Name	Sub-Topics	No. of Classes
1	Number Systems	1.0 Introduction of Number System 1.1 Irrational Numbers 1.2 Real Numbers and their Decimal Expansions 1.3 Representing Real Numbers on the Number Line 1.4 Operations on Real Numbers	5
2	Polynomials	2.0 Introduction of Polynomials 2.1 Polynomials in one variable 2.2 Zeros of a Polynomial 2.3 Remainder Theorem 2.4 Factorisation of Polynomials 2.5 Algebraic Identities	6
3	Coordinate Geometry	3.0 Introduction of Coordinate geometry 3.1 Cartesian System 3.2 Plotting a Point in the Plane if its Coordinates are Given 3.3 Problems based on Coordinate Geometry	5
4	Linear Equations in two variables	4.0 Introduction of linear Equations in two variables 4.1 Linear Equations 4.2 Solution of a linear Equation 4.3 Graph of a Linear Equation in Two Variables 4.4 Equations of Lines Parallel to the x-axis and y-axis	5

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5	Introduction to Euclid's Geometry	5.0 Introduction to Euclid's Geometry 5.1 Euclid's Definitions, Axioms and Postulates 5.2 Equivalent Versions of Euclid's Fifth Postulate	4
6	Lines and Angles	6.0 Introduction of Lines and Angles 6.1 Basic Terms and Definitions 6.2 Intersecting Lines and Non-intersecting Lines 6.3 Pairs of Angles 6.4 Parallel Lines and a Transversal 6.5 Lines Parallel to the Same Line 6.6 Angle Sum Property of a Triangle	6
7	Triangles	7.0 Introduction of Triangles 7.1 Congruence of Triangles 7.2 Criteria for Congruence of Triangles 7.3 Some Properties of a Triangle 7.4 Some More Criteria for Congruence of Triangles 7.5 Inequalities in a Triangle	6
8	Quadrilateral	8.0 Introduction of quadrilaterals 8.1 Angle Sum Property of a Quadrilateral 8.2 Types of Quadrilaterals 8.3 Properties of a Parallelogram 8.4 Another Condition for a Quadrilateral to be a Parallelogram 8.5 The Mid-point Theorem	5
9	Areas of Parallelograms and Triangles	9.0 Introduction Of Parallelograms and Triangles 9.1 Figures on the Same Base and	5

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		<p>Between the Same Parallels</p> <p>9.2 Parallelograms on the same Base and Between the same Parallels</p> <p>9.3 Triangles on the same Base and between the same Parallels</p>	
10	Circles	<p>10.0 Introduction of Circles</p> <p>10.1 Circles and Its Related Terms: A Review</p> <p>10.2 Angle Subtended by a Chord at a Point</p> <p>10.3 Perpendicular from the Centre to a Chord</p> <p>10.4 Circle through Three Points</p> <p>10.5 Equal Chords and Their Distances from the Centre</p> <p>10.6 Angle Subtended by an Arc of a Circle</p> <p>10.7 Cyclic Quadrilateral</p>	6
11	Constructions	<p>11.0 Introduction of Constructions</p> <p>11.1 Basic Constructions</p> <p>11.2 Some Constructions of Triangles</p>	3
12	Heron's Formula	<p>12.0 Introduction of Heron's Formula</p> <p>12.1 Area of a Triangle — by Heron's Formula</p> <p>12.2 Application of Heron's Formula in Finding Areas of Quadrilaterals</p>	4
13	Surface areas and Volumes	<p>13.0 Introduction of Surface areas and Volumes</p> <p>13.1 Surface Area of a Cuboid and a Cube</p> <p>13.2 Surface Area of a Right Circular Cylinder</p> <p>13.3 Surface Area of a Right</p>	6

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		Circular Cone 13.4 Surface Area of a Sphere 13.5 Volume of a Cuboid 13.6 Volume of a Cylinder 13.7 Volume of a Right Circular Cone 13.8 Volume of a Sphere	
14	Statistics	14.0 Introduction of Statistics 14.1 Collection of Data 14.2 Presentation of Data 14.3 Graphical Representation of Data 14.4 Measures of Central Tendency	6
15	Probability	15.0 Introduction of Probability 15.1 Problems based on Probability 15.2 Probability – an Experimental Approach	4
Total Classes			76

Plus (+)

Revision Classes	15 Classes
Exam Strategy Session	1 Session
PTM	2
All Total Classes	92 Classes