



BLOOM PUBLIC SCHOOL

C-8 Vasant Kunj, New Delhi

Syllabus for the Session 2026-27

Class: IX

Subject: MATHEMATICS

SYLLABUS SESSION 2026-27

MONTH	CHAPTER (NCERT Text Book)	CONTENT	ACTIVITIES/PRACTICALS
April	Ch- 6: LINES AND ANGLES (NCERT OLD-EDITION) https://www.aspirationinstitute.com/wp-content/uploads/2021/01/9-Maths-NCERT-Book-Lines-and-Angles.pdf	• Intersecting Lines and Non-intersecting Lines • Pairs of Angles • Parallel Lines and a Transversal • Angle Sum Property of a Triangle	<u>ACTIVITY - 1</u> A line which intersects two or more lines at distinct points is called a transversal.
	Ch- 7: TRIANGLES (NCERT OLD-EDITION) https://www.aspirationinstitute.com/wp-content/uploads/2021/01/9-Maths-NCERT-Book-Triangles.pdf	• Congruence of Triangles • Criteria for Congruence of Triangles • Properties of a Triangle	
May	Ch- 1 Orienting Yourself: The Use of Coordinates	• The 2-d Cartesian Coordinate System • Distance Between Two Points in the 2-D Plane	<u>ACTIVITY- 2</u> To identify the abscissa and ordinate of points from a given figure on the Cartesian plane.
	Ch 3: The World of Numbers	• Integers: Expanding the Horizon • Fractions and Rational Numbers	

		• Representation of Rational Numbers on the Number Line • Irrational Numbers • Real Numbers: Decimals and Cyclic Patterns • Rational Decimals: Terminating and Repeating	
July	Ch 2: Introduction to Linear Polynomials	• Linear Polynomials • Exploring linear patterns • Linear growth and linear decay • Linear Relationships • Visualising linear relationships	<u>ACTIVITY- 3</u> Students will be able to multiply two binomials using algebra tiles and represent the product as a quadratic expression.
	Ch 4: Exploring Algebraic Identities	• Visualising Identities • Factorisation of Algebraic Expressions Using Identities. • Factorisation Without Using Algebra Tiles • Finding New Identities • Simplifying Rational Expressions	
August	Ch 5: I'm Up and Down, and Round and Round	• Symmetries of a Circle • Chords and the Angles They Subtend • Midpoints and Perpendicular Bisectors of Chords • Distance of Chords from the Centre • Angles Subtended by an Arc • Concyclicity of Points	<u>ACTIVITY- 4</u> Students will be able to calculate the area of a sector and understand how the central angle determines the portion of the circle covered by the sector.

	Ch 6: Measuring Space: Perimeter and Area	● Perimeter of a Shape ● Perimeter of a Circle —The C/D Ratio ● π Is Irrational ● Length of an Arc of a Circle ● Problems, Puzzles, and Paradoxes on Perimeter ● Area of a Rectangle ● Area of a Triangle ● Heron's formula ● Squaring a Rectangle ● Area of a Circle ● Area of Sector of a Circle	
September	Revision for Mid term	Chapterwise revision.	
October	Ch 7: The Mathematics of Maybe: Introduction to Probability	● Introduction to Probability ● The Probability Scale ● Experimental Probability: Performing Observations or Experiments ● Theoretical Probability ● Tree diagrams ● Analysing Statistical Data Using Probability ● Elements of Probability: Sample Spaces and Events	<u>ACTIVITY- 5</u> Students will be able to determine experimental probability through observation and understand how increasing the number of trials makes experimental results closer to theoretical probability.
	Ch 8: Predicting What Comes Next: Exploring Sequences	● Introduction to Sequences ● Rule for a Sequence ● Recursive Rule for a Sequence ● Arithmetic Progressions ● Sum of the First n Natural Numbers	

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| | | <ul style="list-style-type: none"> • Geometric Progressions | |
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ASSESSMENT SYLLABUS		
PERIODIC ASSESSMENT -1	(NCERT OLD- EDITION) Ch- 6: Lines And Angles Ch- 7: Triangles	
MID TERM EXAM	<u>(NCERT OLD- EDITION)</u> • Ch- 6: Lines And Angles • Ch- 7: Triangles <u>New -Edition - Ganita Manjari</u> • Ch 1: Orienting Yourself: The Use of Coordinates • Ch 2: Introduction to Linear Polynomials • Ch 3: The World of Numbers • Ch 4: Exploring Algebraic Identities • Ch 5: I'm Up and Down, and Round and Round	