



**BLOOM PUBLIC SCHOOL**  
**C-8 Vasant Kunj, New Delhi**  
**Syllabus for the Session 2026-27**

**Class: VII**

**Subject: MATHEMATICS**

**SYLLABUS SESSION 2026-27**

<b>MONTH</b>	<b>CHAPTER ( NCERT Text Book)</b>	<b>CONTENT</b>	<b>ACTIVITIES/PRACTICALS</b>
<b>April</b>	<b>CH-1: Large numbers around us (Part-I)</b>	1. Large numbers 2. Comparing large numbers	<b>Activity 1-</b> Millionaire Budgeting
	<b>CH-2: Arithmetic expressions (Part-I)</b>	1. Comparing Expressions 2. Evaluating Complex Expressions 3. Commutative and distributive properties	<b>Activity 2-</b> Switch It Up!
<b>May</b>	<b>CH-3: A peek beyond the point (Part-I)</b>	1. Using decimal point 2. Comparing decimal numbers 3. Add and subtract decimal numbers	<b>Activity 3-</b> Decimal Detectives
	<b>CH-4: Expressions using letter-numbers (Part-I)</b>	1. Mathematical relationships between quantities 2. Advantages of Algebra	<b>Activity 4-</b> Algebra Bingo
<b>July</b>	<b>CH-5: Parallel and intersecting lines (Part-I)</b>	1. Linear pair of angles 2. Parallel lines 3. Transversal 4. Corresponding angles 5. Alternate angles	<b>Activity 5-</b> Angle Chase
	<b>CH-6: Number Play (Part-I)</b>	1. Representing information without actually knowing the numbers	<b>Activity 6-</b> Target Number Game
<b>August</b>	<b>CH-7: A tale of three intersecting lines (Part-I)</b>	1. Condition for construction of triangles 2. Angle-sum property of triangle 3. Classification of triangles based on angles	<b>Activity 7-</b> Exterior Angle Detective
	<b>CH-8: Working with Fractions (Part-I)</b>	1. Multiplication and division of fractions	<b>Activity 8-</b> “Baking a Cake”

<b>September</b>	<b>Revision for Mid-term exam</b>		
<b>October</b>	<b>CH-1: Geometric Twins (Part-II)</b>	<ol style="list-style-type: none"> <li>1. Congruence of Triangles</li> <li>2. Conventions to Express Congruence</li> <li>3. SAS (Side Angle Side) condition for congruence</li> <li>4. ASA (Angle Side Angle) condition for congruence</li> <li>5. SSS (Side Side Side) condition for congruence</li> <li>6. RHS (Right Hypotenuse Side) condition for congruence</li> </ol>	<b>Activity 9-</b> Triangle Congruency Test Lab
	<b>CH-2: Operations with Integers (Part-II)</b>	<ol style="list-style-type: none"> <li>1. Multiplication of integers</li> <li>2. Division of integers</li> </ol>	
<b>November</b>	<b>CH-3: Finding Common Ground (Part-II)</b>	<ol style="list-style-type: none"> <li>1. Factors of a Number Using Prime Factorisation</li> <li>2. Finding the HCF of numbers using Prime Factorisation</li> <li>3. Finding LCM through Prime Factorisation</li> <li>4. Division method for finding HCF and LCM of numbers</li> <li>5. Relation between HCF and LCM</li> </ol>	<b>Activity 10-</b> The Prime Factorization "Building Blocks"
	<b>CH-4: Another Peek Beyond the Point (Part-II)</b>	<ol style="list-style-type: none"> <li>1. Multiplication of decimals</li> <li>2. Division and division</li> </ol>	
<b>December</b>	<b>CH-5: Connecting the Dots... (Part-II)</b>	<ol style="list-style-type: none"> <li>1. Average or Arithmetic Mean</li> <li>2. Median of a sorted data</li> <li>3. Range of data</li> <li>4. Bar graph</li> </ol>	<b>Activity 11-</b> A Magic Trick
	<b>CH-7: Finding The Unknown (Part-II)</b>	<ol style="list-style-type: none"> <li>1. Solving equation by trial and error method</li> <li>2. Solving equation by transposing</li> </ol>	
<b>January</b>	<b>CH-7: Finding The Unknown(contd.) (Part-II)</b>	<ol style="list-style-type: none"> <li>1. Construction of angle bisector and perpendicular bisector, <math>90^{\circ}</math> and <math>60^{\circ}</math> angles.</li> <li>2. Tiling</li> </ol>	<b>Activity 12-</b> Tile the Plane!
	<b>CH-6: Constructions and Tilings (Part-II)</b>		
<b>February</b>	<b>Revision for Annual exam</b>		

## ASSESSMENT SYLLABUS

### PERIODIC ASSESSMENT -1

#### GANITA PRAKASH PART-I

CH-1: Large numbers around us

CH-2: Arithmetic expressions

CH-3: A peek beyond the point

### PERIODIC ASSESSMENT -2

#### GANITA PRAKASH PART-II

CH-1: Geometric Twins

CH-2: Operations with Integers

CH-3: Finding Common Ground

### MID TERM EXAM

#### GANITA PRAKASH PART-I

CH-1: Large numbers around us

CH-2: Arithmetic expressions

CH-3: A peek beyond the point

CH-4: Another Peek Beyond the Point

CH-5: Parallel and intersecting lines

CH-6: Number play

CH-7: A tale of three intersecting lines

CH-8: Working with Fractions

### ANNUAL EXAM

#### GANITA PRAKASH PART-I

CH-3: A peek beyond the point

CH-4: Another Peek Beyond the Point

CH-5: Parallel and intersecting lines

CH-7: A tale of three intersecting lines

CH-8: Working with Fractions

#### GANITA PRAKASH PART-II

CH-1: Geometric Twins

CH-2: Operations with Integers

CH-3: Finding Common Ground

CH-4: Another Peek Beyond the Point

CH-5: Connecting the Dots...

CH-6: Constructions and Tilings

CH-7: Finding The Unknown