

**D.P.S.MATHURA ROAD**

**FORTNIGHTLY SYLLABUS FOR CLASS VI MATHEMATICS (2018 - 2019)**

S. No.	Fortnight	Topic	Days	Sub-Topics	Total No: of periods	Peroids Allotted	Assignment	Periodic Test	Activities
1	2nd April - 13th April	CH 1 - Knowing our numbers	11	Knowing our numbers(Introduction)	15	2			
				Comparing numbers ,Indian and International system of numeration		3			
				Large numbers, conversions		4			
				Estimation		2			
				Roman Numerals		1			
				Assign. Booklet CH - 1 Including Extended Learning		3			
2	16th April - 27th April	Ch2 -Whole Numbers	11	CH-2,Whole numbers (Introduction)	15	2			
				Number line Representation		2			
				Properties of whole numbers		3			
				Applications of properties of whole numbers distributive property		3			
				Pattern		2			
				Assign. Booklet CH - 2 Including Extended Learning		3			
3	1st May - 18th May	CH 3 -Playing with Numbers	14	ch-3 Introduction ,Factors and Multiples	18	2	08/05/2018 TERM 1 Assignment 1 CYCLE 1 Ch-1,ch-2		ACTIVITY 1 To find prime numbers from 1 - 100 by Eratosthenes Sieve's method
				Prime and Composite numbers		2			
				Test of Divisibility		3			
				Common factors and multiples		2			
				Properties of Common factors and multiples		2			
				Prime Factorisation		3			
				H.C.F		3			

			Activity 1		1		
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Activity 2 - To classify the triangles on the basis of sides and angles from the given set of triangles - Summer Vacation

**PTM on 12th May 2018**

**Summer Vacations from 19th May to 1st July 2018**

4	2nd July - 13th July	CH 3 -Playing with Numbers	10	L.C.M	14	4	Term 1 Periodic Assesment 1 on 09/07/18 Syllabus: Ch-1, Ch -2	
				Problems on H.C.F and L.C.M		3		
				Assign. Booklet CH - 3 Including Extended Learning		3		
				Revision for the test on 09/07/18		4		
5	16th July - 31st July	CH - 4 Basic Geometrical Ideas	13	Points,Lines,Ray	17	2		ACTIVITY - 3 Identification of parts of Circle by paper folding
				Curves And polygons		1		
				Angles		3		
				Triangles		1		
				Quadrilateral		2		
				Circles		3		
				Activity 3		2		
				Assign. Booklet CH - 4 Including Extended Learning		3		
6	1st August - 18th August	CH - 6 Integers	13	Introduction,Representation of integers on Number line	17	1	16/08/18 Term 1 assignment 2 cycle 1 from ch-3,ch-4	
				Addition of integers on Number Line,		2		
				Subtraction of integers on Number Line,		2		
				Addition of integers		2		
				Subtraction of integers		2		
				Assign. Booklet CH - 6 Including Extended Learning		3		
		CH - 5 Understanding Elementary Shape	13	Measuring line segments		2		
		Angles ( revolution,angles made by clock )		3				

7	20th August - 4th September	CH - 5 Understanding Elementary Shape	10	Types of angles, Measuring angles	14	2			Activity - 4 a) Three Dimensional Shapes through demonstration of 3D objects b) Making Net of the cube to identify faces, Vertices and Edges
				Perpendicular lines		1			
				Triangles		2			
				Quadrilaterals		2			
				Polygons		1			
				Three Dimensional Shapes		1			
				Activity 4		2			
				Assign. Booklet CH - 6 Including Extended Learning		3			
<b><u>Completion of Syllabus - 4th September ,2018</u></b>									
	6th September - 11th September	Revision	5		7				
<b><u>Mid - Term Exams from 12th September to 22nd September,2018</u></b>									
<b><u>PTM - 13th October 2018</u></b>									
8	24th September - 17th October	CH - 7 Fractions	17	Introduction, Types of fractions	24	1			Activity - 5 To represent decimal numbers on a 10 by 10 grid and arithmetic operations by shading
				Fraction on the number line		2			
				Equivalent fractions		2			
				Comparing fractions		2			
				Addition of fractions		3			
				Subtraction of fractions		2			
				Assign. Booklet CH - 7 Including Extended Learning		3			
		CH 8 Decimals		Introduction of Decimals		1			
				Tenths of decimal system, their place value		2			
				Hundredths of decimal system, their place value		2			
				Comparing decimals		1			
				Conversion using decimals		2			
				Activity 5		1			

Dussehra Break 18th October - 21st October 2018							
9	22nd October - 3rd November	CH 8 Decimals	10	Addition of decimals	14	2	3/11/18 Term 2 Assign-1 Cycle 2 from Ch -7, Ch - 8
				Subtraction of decimals		1	
				Assign. Booklet CH - 8 Including Extended Learning		3	
		CH-9 Data Handling		Tally marks		2	
		Reading of Pictograph,interpretations		2			
		Making of Pictograph		2			
		Reading of Bar graph		2			
Diwali Break From 5th November - 11th november 2018							
10	12th November – 30th November	CH-9 Data Handling	13	Making of Bar graph	17	4	Activity - 6 Areas of irregular shapes using square paper
		CH - 10 Perimeter and Area		Assign. Booklet CH - 9 Including Extended Learning		2	
				Introduction of Perimeter		1	
				Perimeter of rectangle		2	
				Perimeter of square		2	
				Perimeter of regular shapes		2	
				Area introduction of irregular shapes by activity		2	
				Activity 6		2	

11	3rd December - 15th December	CH - 10 Perimeter and Area	11	Area of rectangle, Area of square	15	4		
				Area of figures by dividing it into rectangles		3		
				Assign. Booklet CH - 10 Including Extended Learning		2		
		Construction of circles		2				
		Construction of line segments		2				
		Construction of perpendiculars from point on the line		2				
12	17th December - 29th December	CH-14 Practical Geometry	10	Construction of perpendiculars from the point not on the line	14	2	18/12/18 Term 2 Assign 2 Cycle 2 from Ch-9 and Ch - 10	
				Perpendicular bisector of a line segment		4		
				Drawing of angles and its bisector		2		
				Angles of special measures		4		
				Assign. Booklet CH - 14 Including Extended Learning		2		
<b><u>Winter Break from 31<sup>st</sup> December to 9th January 2019</u></b>								
13	10th Jan - 25th Jan 2019	CH- 12 Ratio and Proportion	12	Revision for test on 14/01/19	16	4	Term 2 Periodic Assesment 2 14/01/19 Syllabus Ch -9, Ch - 10	
				Introduction to Ratios		1		
				Finding ratios between several things , Equivalent Ratios		3		
				Introduction to Proportions and its application		3		
				Unitary method		2		
				Assign. Booklet CH - 12 Including Extended Learning		3		

	28th January - 08th february 2019	CH - 11 Algebra	10	Introduction of Patterns,Use of Variables	14	3			
				Expressions with Variables		3			
				Using algebra practically		3			
				Equations ,Solution of an equations		2			
				Assign. Booklet CH - 11 Including Extended Learning		3			
15	11th Feburary - 20th Feburary 2019	CH - 13 Symmetry	9	Introduction to Symmetry	11	1			
				Line of Symmetry in Polygons and Alphabets		2			
				Line of Symmetry in two dimensional figures		3			
				Reflectional symmetry		2			
				Assign. Booklet CH - 11 Including Extended Learning		3			
<b><u>Completion of syllabus by 20th February 2019</u></b>									
	21st February – 28 <sup>th</sup> February 2018	Revision	7		10				
<b><u>Annual Exams from 1 March to 15th March 2019</u></b>									
<b><u>PTM on 29th March 2019 For Class VI</u></b>									
<b><u>New Session To Begin On 1st April 2019</u></b>									

CLASS VIII

MATHEMATICS

ACTIVITIES FOR THE SESSION 2018 - 2019

S.NO	FORTNIGHT NO.	FORTNIGHTS	ACTIVITY
1	3	1st May - 18th May	<b>ACTIVITY 1</b> To verify that the sum of the measures of the Exterior angles of any polygon is 360 degree by paper cutting and pasting
2		SUMMER VACATION	<b>ACTIVITY ON EXPLORING PROPERTIES OF QUADRILATERALS</b>
3	5	16th July - 31st July	<b>ACTIVITY 2</b> A) Draw front view , top view and side view of cubes using Dot Paper. (B)Eulers verification formula worksheet. (C) Map reading Sheet
4	6	1st August - 18th August	<b>ACTIVITY 3</b> based on Algebraic Expressions and Identities

5	7	20th August - 4th September	<p><b><u>(GROUP ACTIVITY -4)</u></b>  (A) Collect a data of time spent by the students during a day under the given headings and represent it using a pie chart  (B) Draw a histogram representing the the time spent</p>
6	15	11th February - 20th February 2019	<p><b><u>ACTIVITY 5</u></b> To explore the relationship between  A) Length and perimeter.  B) Length and Area of 5 squares graphically</p>



## **SYLLABUS OF TEST AND TERMS 2018 - 2019**

### **PREODIC ASSESMENT 1**

**Date: 30/07/18**

<b><u>SYLLABUS</u></b>	CH - 2	Linear equations in one variable
	CH - 3	Understanding Quadrilaterals
	CH - 6	Square and Square roots

### **MID TERM EXAMS**

**Date: 12th September - 22nd September**

<b><u>SYLLABUS</u></b>	CH - 1	Rational Numbers
	CH - 2	Linear equations in one variable
	CH - 3	Understanding Quadrilaterals
	CH - 5	Data Handling
	CH - 6	Square and Square roots
	CH - 9	Algebraic Identities
	CH - 10	Visualising Solid Shapes

### **PREODIC ASSESMENT 2**

**Date: 17/12/18**

<b><u>SYLLABUS</u></b>	CH - 7	Cube and Cube roots
	CH - 8	Comparing Quantities
	CH - 11	Mensuration

### **ANNUAL EXAMS**

**Date: 1st March - 15th March**

<b><u>SYLLABUS</u></b>	CH - 4	Constructions
	CH - 7	Cube and Cube roots
	CH - 8	Comparing Quantities
	CH - 11	Mensuration
	CH - 12	Exponents
	CH - 13	Direct and Inverse Proportion
	CH - 14	Factorisation
	CH - 15	Introduction to graphs
	CH - 16	Playing with numbers