

FORTNIGHTLY SYLLABUS PLANNING (2024-25)

CLASS VI

SUBJECT- MATHEMATICS

New Session begins on 1st April 2024				
S.no.	Duration	No. of Teaching Days	Theory	Practical/ Activity
1	1 st April-15 th April	10	Topic- Fun with numbers Sub topics <ul style="list-style-type: none"> • Number system of numeration. • Number pattern. Tricks and puzzles	* Who am I? (Number puzzles and number games) * Hailstone numbers (Developing the pattern of numbers using mathematical reasoning in pairs) * Magic Tricks (Magic squares 3x3 grid each containing numbers between 1 and 9)
2	16 th April- 30 th April	10	Topic- Shapes and symmetry Sub topics: <ul style="list-style-type: none"> • Concept of 2D and 3D shapes • Properties of 2D and 3D shapes • Designing with shapes Rotational and reflection symmetry	* Matchstick activity (pattern using equilateral triangles). * Rangoli making. (make different shapes using origami sheets and arrange them into beautiful Rangoli or pattern) * Symmetrical patterns in nature. (Create a design that exhibits rotational and reflection symmetry) * Ink-Blot activity (symmetrical butterfly)* Symmetrical patterns in nature. (Create a design that exhibits rotational and reflection symmetry) * Ink-Blot activity (symmetrical butterfly)
3	1 st May- 15 th May	11	Topic- Perimeter and Area Sub topics: <ul style="list-style-type: none"> • Explore same perimeter with different shapes • Explore same area with different shapes Deriving formulae of perimeter and area of triangle, square and rectangle. (application based questions).	* Finding the length of 2D shapes using earbuds, matchsticks, ice-cream sticks. * My area world. (Stamps of square and rectangular shapes and paste on graph paper to find area)
4	16 th May-31 st May	6	Ch-6 Perimeter and Area(contd)	
Summer Vacations:27th May – 28th June 24				
5	1 st July- 15 th July	11	Topic – Playing with numbers Sub Topics: <ul style="list-style-type: none"> • Introduction to Numbers • Properties of Numbers - Odd and Even Numbers - Prime and Composite Numbers • Factors and Multiples - Finding Factors - Finding Multiples 	*Magic Number: Students choose a number and perform operations (+, -, x, /) to transform it into a target number. *Math Bingo: Students play bingo with numbers or math problems, like "multiply 2 by 3".
Periodic Test-1: 12th July – 16th August 24				
6	16 th July-31 st July	11	Topic – Playing with numbers Sub Topics: <ul style="list-style-type: none"> • HCF (Highest Common Factor) • LCM (Lowest Common Multiple) 	*LCM Mosaic: Cut out tiles with multiples of different numbers and have students create a mosaic to find the LCM.
7	1 st Aug- 15 th Aug	10	Topic – Integers <ul style="list-style-type: none"> • Introduction to Integers • Positive and Negative Integers 	*Integer Number Line: Cut out number lines with positive and negative integers and have students arrange them in order.

			<ul style="list-style-type: none"> Representation of Integers on a Number Line Addition and Subtraction of integers. 	
8	16 th Aug- 31 st Aug	9	Ch – Data Handling and Presentation <ul style="list-style-type: none"> Introduction to Data Handling Collection, Organisation and Representation of Data <ul style="list-style-type: none"> Pictographs Tally mark Bar Graph Interpretation of Pictograph and Bar graph Drawing of a Pictograph and Bar graph 	*Pictograph: Cut out icons or images to represent categories and have students create a pictograph.
Syllabus Completion for Mid Term Examination: 30th Aug 2024				
9	1 st Sept-15 th Sept	8	REVISION	Revision
Mid Term Examination – 13th Sept- 30th Sept 24				
Autumn Break- 10th Oct – 12th Oct 24				
10	1 st Oct- 15 th Oct	8	Ch- 1 Patterns in Mathematics	Matchstick pattern
11	16 th Oct-31 st Oct	9	Ch- 1 Patterns in Mathematics	
12	1 st Nov -15 th Nov	10	Ch –3 Number Play	Palindromic Patterns
Diwali Break: 30th Oct - 1st Nov 24				
13	16 th Nov-30 th Nov	9	Ch - 2 Lines and Angles	Geometric notebook cover
Periodic Test-2: 8th Nov – 16th Dec 24				
14	1 st Dec- 15 th Dec	10	Ch - 2 Lines and Angles	Mandala Art
15	16 th Dec-31 st Dec	9	Ch – 7 Fractions	Fraction recipe
Winter Break- 30th Dec - 10th Jan 25				
16	1 st Jan -15 th Jan	3	Ch – 7 Fractions	
17	15 th Jan- 31 st Jan	12	Ch – 8 Playing with Constructions	Designing a Park
18	1 st Feb - 7 th Feb	5	Ch – 8 Playing with Constructions	
Syllabus Completion for Annual Examination: 7th February 25				
19	10 th Feb – 14 th Feb	5	REVISION	
Annual Examination Begins: 17th February 25				

SYLLABUS FOR ASSESSMENT

Exam	Test Date	Syllabus
PERIODIC TEST 1	22 nd July 24	1. Fun with numbers 2. Shapes and Symmetry 3. Perimeter and Area
MID TERM EXAMINATION	23 rd Sep 24	1. Fun with numbers 2. Shapes and symmetry 3. Perimeter and Area 4. Playing with numbers 5. Integers 6. Data Handling and Presentation
PERIODIC TEST 2	18 th Nov 24	Ch-1 Patterns In Mathematics Ch-3 Number Play
ANNUAL EXAMINATION		Topics- Perimeter and Area Integers Ch-1 Patterns in Mathematics Ch -2 Lines and Angles Ch - 3 Number Play Ch- 4 Data Handling and Presentation Ch - 7 Fractions Ch - 8 Playing with Constructions