

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) |
| 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 | Topic – Perimeter and Area | |
| 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 <ul style="list-style-type: none"> - Odd and Even Numbers - Prime and Composite Numbers • Factors and Multiples <ul style="list-style-type: none"> - 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) • Applications of Numbers <ul style="list-style-type: none"> - Real-life Examples | *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. |

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| | | | <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 | Topic – Data Handling Sub Topics: <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 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 | | |
| 11 | 16 th Oct-31 st Oct | 9 | | |
| 12 | 1 st Nov -15 th Nov | 10 | | |
| Diwali Break: 30th Oct - 1st Nov 24 | | | | |
| 13 | 16 th Nov-30 th Nov | 9 | | |
| Periodic Test-2: 8th Nov – 16th Dec 24 | | | | |
| 14 | 1 st Dec- 15 th Dec | 10 | | |
| 15 | 16 th Dec-31 st Dec | 9 | | |
| Winter Break- 30th Dec - 10th Jan 25 | | | | |
| 16 | 1 st Jan -15 th Jan | 3 | | |
| 17 | 15 th Jan- 31 st Jan | 12 | | |
| 18 | 1 st Feb - 7 th Feb | 5 | | |
| 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 |
| PERIODIC TEST 2 | | |
| ANNUAL EXAMINATION | | |

*Since new book is not issued by CBSE yet, so fortnight planning done only till mid-term.