**YEARLY PLAN 2023-2024**

**GRADE-7**

**TERM-1**

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| **S.NO** | **CHAPTER** | **OBJECTIVES** | **NO.OF PERIODS** | **MONTH** |
| 1 | INTEGERS | * Understanding the concept of integers
* Comparing and ordering integers
* Addition and subtraction of integers
* Multiplication and division of integers
 | 10 | JUNE,JULY |
| 2 | FRACTIONS | * Understanding the concept of fractions
* Identifying and representing fractions
* Equivalent fractions
* Simplifying and reducing fractions
 | 15 | JULY |
| 3 | DECIMALS | * Understanding the concept of decimals
* Reading and writing decimals
* Place value of decimals
* Comparing and ordering decimals
 | 10 | JULY |
| 4 | SYMMETRY | * Understanding the concept of symmetry
* Identifying symmetrical figures
* Recognizing lines of symmetry
* Understanding rotational symmetry
* Describing properties of solid shapes
 | 5 | AUG |
| 5 | VISUALISING SOLID SHAPES | * Recognizing and identifying solid shapes
* Visualizing solid shapes from 2D representation
* Building and manipulating 3D models
* Describing properties of solid shapes
 | 5 | AUG |
| 6 | CONSTRUCTIONS ( FIRST EXERCISE) | * Constructing basic geometric figures
* Bisecting line segments and angles
 | 5 | AUG |
| 7 | DATA HANDLING | * Data collection
* Organizing data
* Representing data
* Interpreting data
 | 10 | AUG,SEP( FIRST WEEK) |

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|  |  | **TERM-2** |  |  |
| **S.NO** | **CHAPTER** | **OBJECTIVES** | **NO.OF PERIODS** | **MONTH** |
| 8 | RATIONAL NUMBERS | * Understanding Rational Numbers
* Identifying Rational Numbers
* Comparing and Ordering Rational Numbers
* Operations with Rational Numbers
* Simplifying and Converting Rational Numbers
 | 5 | OCT |
| 9 | POWERS AND EXPONENET | * Base
* Exponent
* Power
 | 10 | OCT |
| 10 | ALGEBRAIC EXPRESSION | * Understanding Variables and Constants
* Evaluating Expressions
* Simplifying Expressions
* Translating Words into Algebraic Expressions
* Solving Equations
 | 7 | NOV |
| 11 | LINEAR EQUATION | * Understanding the Components of a Linear Equation
* Solving Linear Equations
* Graphing Linear Equations
* Analyzing Linear Equations
* Applying Linear Equations to Real-World Situations
 | 10 | NOV |
| 12 | RATIO AND PROPATION | * Understanding Ratios
* Solving Ratio Problems
* Understanding Proportions
* Solving Proportion Problems
* Scaling and Similarity
 | 8 | DEC |
| 13 | PERCENTAGE AND ITS APPLICATION | * Understanding the Concept of Percentage
* Converting Between Percentages, Fractions, and Decimals
* Calculating Percentages
* Applying Percentages in Real-World Situations
* Solving Percentage Problems
 | 10 | DEC |
| 14 | LINES AND ANGELS | * Understanding Basic Concepts
* Identifying Types of Angles
* Measuring and Comparing Angles
* Understanding Angle Relationships
* Applying Angle Properties
 | 10 | JAN |
| 15 | PROPERTIES AND TRIAGLES | * Types of Triangles
* Angle Sum Property
* Exterior Angle Property
* Triangle Inequality Theorem
* Congruence and Similarity
 | 8 | JAN |
| 16 | CONGRUENCE OF TRIANGLE | * Understanding Congruence
* Identifying Congruent Triangles
* Proving Triangle Congruence
* Applying Congruence to Solve Problems
* Applying Congruence in Transformations
 | 10 | FEB |
| 17 | PROBABILITY | * Quantifying Uncertainty
* Predictive Modeling
* Risk Assessment
* Statistical Inference
* Decision Analysis
 | 5 | FEB |
| 18 | PERIMETER AND AREA | * Measure Boundary Length
* Comparison of Shapes
* Construction and Design
* Navigation and Surveying
* Comparison of Shapes
 | 5 | FEB |

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