**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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