Class – VI

MATHEMATICS

Month	Unit	Topics	Subtopics	Activity
April	1	Knowing our numbers	• Indian and International numeration • Estimation • Roman numerals	
	2	Whole Numbers	• Representation of whole numbers on a number Line • Properties of whole numbers • Pattern in whole numbers • Simplification (with brackets) BODMAS	Commutative Property of Addition and Multiplication
	3	Basic Geometrical Ideas	• Point, Line, Line-segment, ray, curves, intersecting lines, perpendicular lines, concurrent lines, collinear points, parallel lines, angles, triangles, polygons, circles (concept)	Parts of Circle by paper folding
May	4	Playing With Numbers	• Factors and multiples • Prime and Composite numbers • Test of divisibility • Prime Factorization • HCF and LCM • Problems on HCF and LCM	
June	5	Understanding Elementary shapes	• Measuring line segments, angles • Classification of triangles, quadrilaterals, polygons and 3-dimensional shapes	
		Syllabus for Pre-Mid Term Unit 1 to 5		
July	6	Integers	• Representation of integers on a number line • Comparing integers, ordering of integers • Addition and subtraction of integers	Addition of Integers
	7	Fractions	• Fractions on a number line • Types of Fractions • Equivalent Fractions • Simplest form of fraction • Comparing like and unlike fractions • Addition, subtraction, multiplication and division of fractions • Word Problems • Simplification	

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Month	Unit	Topics	Subtopics	Activity
Aug	8	Decimals	• Place value chart • Representing decimal on a number line • Comparing decimal • Length, mass, capacity and money • Addition, subtraction, multiplication and division of decimals • Word Problems on addition and subtraction of decimals	Representation of decimal by check sheet
	9	Ratio, Proportion & Unitary Method	• Ratio • Proportion • Unitary Method	
		Syllabus for Mid- Term Units 1 to 9		
Sept	10	Data Handling	• Recording of data • Organizing data, tally marks • Pictograph- Interpretation and drawing • Bar graph-Interpretation and drawing	Representation of data in the form of a Pictograph
Oct	11	Practical Geometry	• Construction of a circle, line-segment, copy of line segment • Construction of angles using compasses • Copy of an angle • Angle bisector • Construction of Perpendiculars • Construction of Perpendicular Bisectors of a line segment	To classify triangles on the basis of sides and angles
	12	Symmetry	• Figures with two lines of symmetry • Figures with multiple lines of symmetry • Reflection and symmetry	Lines of Symmetry by paper folding method
Nov	13	Algebraic Expressions	• Concept of a variable and constant • The use of variables in common rules • Forming expressions with variables • Like and unlike terms, coefficients, monomials, binomials and polynomials • Addition and subtraction of algebraic expressions • Using expressions practically	
		Syllabus for Post – Mid Term Units 10 to 13		

Class – VI

MATHEMATICS

Month	Unit	Topics	Subtopics	Activity
	14	Linear Equation	• Concept: What is an equation • Forming equation • Solving equation and word problems	
Dec	15	Mensuration	• Perimeter of triangle, square, rectangle and other regular and irregular shapes. • Area of irregular shapes • Area of squares and rectangles • Real life applications	Making Quadrilaterals with the help of Set Squares
Jan	16	Commercial Arithmetic	• AVERAGE: Finding average of a whole number and decimal number • PERCENTAGE: Concept of Percentage • PROFIT AND LOSS: Selling price, Cost price, profit, loss, profit%, loss%	

Syllabus for Yearly Examination Units 10 to 16 and Unit 4