SYLLABUS FOR THE ACADEMIC SESSION 2020-21
CLASS – VI

MATHEMATICS

Month	Unit	Topics	Sub-Topics
April	1	Knowing Our Numbers	- Indian and International numeration - Estimation - Roman numerals
	2	Whole Numbers	- The Number Line - Properties of whole numbers - Pattern in Whole numbers - Simplification (with brackets) BODMAS
	3	Playing With Numbers	- Factors and multiples - Prime and Composite numbers - Test of divisibility by 7 & 11 - Prime Factorization HCF and LCM - Problems on HCF and LCM
May	4	Basic Geometrical Ideas	- Point, line, line- segment, ray, curves, intersecting lines, perpendicular lines, concurrent lines, collinear points, parallel lines, angles, triangles, polygons, circles (concept).
June		**Syllabus for Pre-Mid Term Examination (Unit 1, 2)**	
June	5	Understanding Elementary Shapes	●Measuring line segments, angles, classification of triangles, quadrilaterals, polygons and 3-dimensional shapes
July	6	Integers	- Representation of integers on a number line - Comparing integers, ordering of integers - Addition and subtraction 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
August	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
	9	Data Handling	- Recording of data - Organizing data, tally marks - Pictograph- Interpretation and drawing - Bar graph-Interpretation and drawing
	10	Symmetry	- Figures with two lines of symmetry - Figures with multiple lines of symmetry - Alphabets with lines of symmetry - Reflection and symmetry
September		**Syllabus for Half-Yearly Examination (Unit 1 to 8)**	
September	11	Algebra	- 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 - Linear equations - Concept: What is an equation - Forming equation - Solving equation and word problems
October	12	Mensuration	- Perimeter of triangle, square, rectangle and other regular and irregular shapes. - Area of irregular shapes - Area of squares and rectangles - Real life applications
November		**Syllabus for Post-Mid Term Examination (Unit 9 to 11)**	
November	13	Ratio Proportion And Unitary Method	- Concept of ratio - Concept of proportion - Application of unitary method
December	14	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 Bisector of a line segment
January		**Revision**	
February		**Syllabus for Annual Examination (Unit 9 to 14 and Unit 3,7)**	