

Love Dale Central School

Curriculum 2022-23

Sub: Maths

Class : VI

Month	Book	Chapter/Lesson title	Topics	Activity	Learning Outcome
April	A Text book of mathematics - Ratna Sagar	Knowing our Numbers	Numeration in two systems, Comparing numbers and arranging in order Forming numbers using given digits Rounding off the numbers, Roman numerals		* Read & write numbers beyond 10,000 in two different types of system of numeration. * Write Hindu Arabic as Roman numerals & vice versa.
June	A Text book of mathematics - Ratna Sagar	Whole Numbers	Numbers on number line, Operations on number line, Properties of whole numbers, Pattern	Group activity: Arranging numbers in elementary shapes made up of dots. Ex: A line, Rectangle, Square, Triangle etc.	* Compare, add, subtract and multiply whole numbers. * Learn the properties of whole numbers & apply them while solving sums.
July	A Text book of mathematics - Ratna Sagar	Basic Geometrical Concepts	Basic geometrical terms and the differences, Circle and its parts	Making of Rabbit using paper folding (Art integration)	* Identify Point, line, line segment, ray, curves, different types of lines. * Learn circle & its parts & recognise them.
August	A Text book of mathematics - Ratna Sagar	Playing with Numbers	Types of numbers, Factors and Multiples, Test for divisibility of numbers, HCF and LCM, Relation between HCF, LCM and numbers, Application based sums.		* Find factors & multiples of a number. * Find HCF & LCM of numbers by prime factorisation & division method.
September	A Text book of mathematics - Ratna Sagar	Integers	Integers on number line, Comparing and ordering, Addition and subtraction of integers		* Recognise the negative numbers & integers & represent on a number line. * Learn rules to add & subtract integers.
September	A Text book of mathematics - Ratna Sagar	Fractions	Fractions on number line, Types of fractions, Comparing and ordering, Addition and subtraction of fractions	Representing mixed fractions diagrammatically.	* Classify fractions into its different types & represent on number line. * Add, subtract & compare unlike fractions.
October	A Text book of mathematics - Ratna Sagar	Algebra	Expressing statements to algebraic expression and vice versa, Forming statements to an equation, Solving an equation systematically	Students asked to make patterns for letters L and T using match sticks and write the pattern that gives the number of match sticks required in terms of the number of figures made.	* Learn about constants, variables & their combination with four basic operations. * Translate the statements into mathematical form & vice versa.
October	A Text book of mathematics - Ratna Sagar	Understanding Elementary Shapes	Comparing measuring line segments, Revolution and angles made, Types of angles, measuring angles, Three dimensional shapes	Students collect various objects around us which are made up of mathematical geometrical shapes. Eg: Ice cream cone, match box etc.	* Construct & identify different types of angles & their measurements. * Identify different types of triangles, quadrilaterals & polygons.
November	A Text book of mathematics - Ratna Sagar	Decimals	Decimals on number line, Conversion of decimals into fractions & vice versa. Add, subtract & compare decimals. Conversion of unlike to like decimals, Expressing measurements using decimals		* Convert decimals into fractions & vice versa. * Add, subtract & compare decimals.
November	A Text book of mathematics - Ratna Sagar	Practical geometry	Construction of circles, line segment, Perpendiculars, Perpendicular bisector, Construction of special angles using ruler and compass	Lab activity: Construction of angle bisector for a given angle.	* Learn to use geometrical instruments & construct circle, line segment, angles of different measures etc. * Bisect a line segment & an angle.
December	A Text book of mathematics - Ratna Sagar	Mensuration	Perimeter of regular and plane shapes, Area of square and rectangle, Application based sums	Students find perimeter and area of the given objects. Ex: post card, photograph, etc.	* Determine perimeter & area of plane figure made up of line segments. * Apply the concept of perimeter & area in daily life problems.

January	A Text book of mathematics - Ratna Sagar	Data Handling	Frequency distribution table, Interpretation and drawing of pictograph and bar graph	GROUP ACTIVITY: Students will be given different graphs, observing the graph students will be able to answer the set of questions.	* Interpret & organise the data in tabular form. * Inetpret & draw pictographs & bar graphs.
January/Feb	A Text book of mathematics - Ratna Sagar	Ratio and Proportion	Ratio in simplest form, Equivalent ratios, Four numbers in proportion, Continued proportion, Unitary method	By giving day-to-day life situations, solve the sums using Unitary method.	* Find ratio between two given quantities. * Learn the concept of unitary method & use in daily life.
Feb	A Text book of mathematics - Ratna Sagar	Symmetry	Objects or figure with one, two and multiple lines of symmetry, Reflection and symmetry	Draw the line of symmetry for the given figures.	* Identify symmetrical objects, axis of symmetry. * Identify figures with one, two, three lines of symmetry.