S.D PUBLIC SCHOOL, PITAMPURA, NEW DELHI
ACADEMIC PLANNER SESSION 2026-27
CLASS - IV
SUBJECT- MATHEMATICS

MONTH/ DAYS	CONTENT	C.W./H.W./ ASSIGNM	ACTIVITY/INTERDISCIPLINARY	LEARNING OUTCOMES
APRIL (1-15) (11 days)	**Bridge Course** **Unit-1 Large Numbers** Place value system 6-digit Numbers 6-digit numbers on the Abacus More practice on Place Value Comparing Numbers Ordering Numbers Forming Numbers Rounding off Numbers Roman Numerals **GK L - 15**	Use matchsticks to represent Roman numerals	**Intersection with Social Studies** - about cost of modes of transport	The students ● develop an understanding of periods, places, reading and writing 5-digit numbers. ● develop skills of reading and writing 5-digit numbers & expanding numbers. ● acquire the knowledge of 6-digit numbers. ● develop skills to apply knowledge of place value. ● compare and order large numbers. ●learn to form numbers using different and same digits. ● learn rounding off numbers to the nearest 10, 100 and 1000. ●understand the rules to write Roman numbers till 100.
APRIL (16-30 (13 days)	**Unit - 2 Addition and Subtraction** Addition of large numbers without regrouping Addition of large numbers with regrouping Properties of Addition Estimating the Sum Adding Horizontally Applications of Addition	Some questions of same type as H.W.		The students ● recapitulate addition facts. ●learn to add 4-digit numbers with and without regrouping. ● learn to extend their knowledge of addition to large numbers. ● learn to add numbers horizontally. ●using addition related terms to solve story sums.

MAY (1-15) (6 days)	**Unit-2 Addition and Subtraction** Subtraction of large numbers without regrouping Subtraction of large numbers with regrouping Properties of Subtraction Estimating the Difference Applications of Subtraction Addition and Subtraction together **GK L - 16**	**Mental Maths**	**Intersection with Nature** - about spiral shapes of sunflower	The students ● recapitulate subtraction facts. ●learn to subtract 4-digit numbers with and without regrouping. ● learn to extend their knowledge of subtraction to large numbers. ● learn to subtract numbers horizontally. ●develop skills to estimate the difference of two numbers and check subtraction. ●develop skills to carry out addition and subtraction together. ●using subtraction related terms to solve story sums.
JULY (1-15) (12 days)	**Unit-3 Multiplication** Properties of Multiplication Multiplication hy a One-digit Number Multiplication by Expanded Notation method Multiplication by a 2-digit number Multiplication by a 3-digit mimber Estimating the Product Application **GK L - 17**	**Fun in Maths**	**Intersection with Biology** - about growing of bacteria	The students ● learn multiplication by multiples of 10. ● recall multiplication tables and facts. ● learn multiplying with a 2-digit number. ● practise multiplication by 1-digit numbers vertically as well as horizontally. ●acquire the skill of multiplying by multiples of 100 ● learn to multiply by a 3-digit number. ● learn to find the estimated product.

JULY **(16-31)** **(14 days)**	**Unit- 8 Geometry** Point Line Types of lines Line segment Ray Measuring a line segment Measuring a curved line Drawing a line segment Angle Types of angles GK L - 18 **Revision of UT 1** **Unit - 8 Geometry (contd.)** Open and closed shapes Polygon Circle Parts of a circle Drawing a circle with a compass	**Revision tests as H.W.** **Think and answer** (Pg 156 of Joyful Maths)	 **Intersection with Sports** - about construction of playground (Pg 167 of Joyful Maths)	The students ●recall basic shapes. ●develop an understanding of points, rays, lines and line segments. ●learn to use a scale to measure small lengths and draw line segments of a given length. ●understand angles. ●learn to identify different types of angles. ● understand simple closed shapes and polygons. ● understand circles and parts of a circle. ● learn to use a compass to draw circles. ● learn to draw circles of a particular radius and diameter.
AUGUST **(1-15)** **(10 days)**	**Unit - 9 Symmetry and Patterns** -Symmetry -Reflection -Patterns -Coding and decoding GK L - 45 **Unit - 11 Perimeter and Area** Perimeter Perimeter of a Triangle Perimeter of a Rectangle Perimeter of a Square Applications Area Areas using Half Squares Area of Irregular Shapes	**Think and do** **Fun in Maths**	**Make a symmetrical design by paper folding** **Intersection with Social Studies** - about area of states	The students ● revise the concept of symmetry. ● learn about the patterns formed by the numbers. ● develop an understanding of reflection symmetry. ●learn to code and decode messages. ●learn about the patterns and tesselations. The students ●understand the term perimeter & area. ●learn to find area of irregular shapes by counting the squares. ●understand the method of calculating the perimeter of a polygon. ● apply their knowledge of area/perimeter.

AUGUST (16-31) (11 days)	**Unit - 12 Time** Reading time to the exact minute Reading time in am and pm 24 Hour clock 12-hour clock time to 24 hour clock time 24 hour clock time to 12-hour clock time Units of Time Conversion of Time Addition and Subtraction of Time Applications **GK L - 46,47**	**Think and do** **Try this**	**Activity** - To make a time scheduler	The students ● recall reading/showing time. ●learn the use of a.m./p.m. and its significance. ●learn about a 24-hour clock. ●can convert 12-hour clock time to 24-hour clock time and vice-versa. ●acquire skills of converting bigger units of time to smaller units. ●acquire skills to convert smaller units of time to bigger units. The students ●learn to convert various units of time of time. ●learn addition and subtraction of time. ●apply knowledge to real life problems
SEPTEMBER (1-15)	**REVISION OF HALF YEARLY EXAM**			
SEPTEMBER (16-30) (13 days)	**HALF YEARLY EXAM**			
OCTOBER (1-15) (10 days)	**Unit - 4 Division** Properties of Division Division by a one-digit number Division by 10, 100, 1000..... Estimating division Division by a two-digit number Applications **GK L - 48**	**Look around**	**Intersection with Adventure** - about going for a school camp	The students ●revise division, related terms and long division and division facts. ●learn to divide large numbers with 1-digit divisor. ● learn the technique of checking the answer. ● understand division by 10,100 and 1000 ● learn to estimate the quotient for division by a 2-digit divisor. ● learn the actual division method. ● develop the skills of dividing by a 2-digit divisor. ● apply their knowledge of division to solve story sums.

OCTOBER (16-31) (11 days)	**Unit - 6 Fractions** Fractions-Parts of a Whole Fraction of a Number/Collection Application Equivalent Fractions Lowest/Simplest form of a Fraction Like and Unlike Fractions Comparing and Ordering Unlike Fractions Proper and Improper Fractions Converting Improper Fraction to Whole Numbers Converting improper Fraction to Mixed Number Converting mixed numbers to Improper Fraction Whole number as a Fraction Adding Like Fractions Subtracting Like Fractions **GK L - 49**	**Fun In Maths**	**Intersection with Science -** About composition of air	The students ◆ recall their knowledge of fractions. ♦ develop an understanding of fraction terminology. ◆ acquire skills to find out fraction of a collection or a number. ◆ understand equivalent fractions and learn to find them. ◆learn the simplest form of a fraction. ◆ learn to compare and order like and unlike fractions. ◆develop an understanding of proper and improper fractions. ◆learn to change improper fractions to mixed numerals. ◆develop skills of adding and subtracting like fractions.
NOVEMBER (1-15) (9 days)	**Unit - 5 Factors and Multiples with HCF and LCM** Multiples Factors Common Factors Prime and Composite numbers Prime Factorization Highest Common Factor (HCF)	**Fun in Maths**		The students ● develop an understanding of multiples and factors. ● develop an understanding of properties of multiples and factors. ● learn to find common multiples and factors of two numbers. ●learn to find the factors of a given number by different methods and list them. ● develop an understanding of prime and composite numbers. ● learn about the sieve of Eratosthenes ● prime factorize a number and express a number as product of primes. ● acquire skills of finding HCF .

NOVEMBER (16-30) (12 days)	**Unit - 5 Multiples and Factors (contd.)** -Lowest common multiple -Tests of divisibility **Unit - 7 Decimals** -Understanding decimals -Writing and reading decimal numbers -Tenths -Hundredths -Thousandths -Decimal numbers in the place value chart -Converting fractions to decimals -Converting decimals to fractions -Expanded form of decimals -Equivalent decimals -Like and unlike decimals -Comparing and ordering decimals -Addition and subtraction of decimals -Story sums	Revision tests as H.W. Representation of decimals on a 10 x10 grid	**Intersection with Arts** - about Making factors of 12 **Intersection with Sports** - about Lawn Tennis Court	The students ● acquire skills of finding the LCM ● learn the tests of divisibility. The students ●learn to read numbers with tenths, hundredths and thousandths. ● develop an understanding of decimal numbers by extending the place value system. ● learn to convert fractions to decimals and decimals to fractions. ● acquire skills to expand decimal numbers. ● understand equivalent decimals and learn to convert unlike decimals to like decimals. ● acquire skills of comparing and ordering decimal numbers. ● apply the knowledge of equivalent decimals to add and subtract decimal numbers. ● learn to solve story sums.
DECEMBER (1-15) (12 days)	**Unit - 10 Measurement** Measurement of length Units of length Drawing a line segment Measuring a line segment Conversion of units Measurement of Weight Units of Mass Conversion of units	**Fun in Maths**		The students ● recapitulate units of measurement and use a measuring scale to measure lengths. ● learn the relation between different units of length, weight and capacity and their conversions. ●learn four operations in measurement.
DECEMBER (16-31) (12 days)	**Unit - 10 Measurement (contd.)** Measurement of Capacity Units of Capacity Conversion of units Addition in Measurement Subtraction in Measurement Applications **GK L - 51**	**Project**	**Maths and logical reasoning**	The students ●learn two operations in measurement. ● learn to solve story sums.

JANUARY (1-15) (6 days)	**Unit - 13 Money** Operations on money Applications Unitary method **GK L - 52**	**Fun in Maths**	**Activity** - Knowing your Indian currency	The students ● revisit money concepts learnt earlier. ● develop an understanding of unitary method. ● learn to carry out operations on money. ● acquire skills of applying knowledge of unitary method . ● learn to solve story sums
JANUARY (16-31) (12 days)	**Unit - 14 Data Handling** Pictograph Bar graph Horizontal bar graph Circle graph **GK L - 53, 54**	**Think and do**	**Intersection with English** - Make a pictograph of vowels from a newspaper paragraph	The students ● learn to interpret bar graph. ● apply previous knowledge of pictographs to interpret data. ● learn to draw a bar graph. learn to interpret a circle graph. ● learn to represent data as a pictograph.
FEBRUARY (1-15) (11 days)	**REVISION OF ANNUAL EXAM**			
FEBRUARY (16-28) (11 Days)	**ANNUAL EXAMS**			

SYLLABUS (2026-27		**SYLLABUS (2026-27**	
UT-1	**Unit-1 Large numbers** **Unit-2 Addition and Subtraction**	**UT-2**	**Unit-4 Division** **Unit-6 Fractions**
Half Yearly	**Unit-3 Multiplication** **Unit-8 Geometry** **Unit-9 Symmetry and patterns** **Unit-11 Perimeter and area** **Unit-12 Time**	**Annual Exams**	**Unit-5 Factors and Multiples** **Unit-7 Decimals** **Unit-10 Measurement** **Unit-13 Money and Unitary method** **Unit-14 Data Handling**