

S.D PUBLIC SCHOOL, PITAMPURA, NEW DELHI
ACADEMIC PLANNER SESSION 2025-26

CLASS- V

SUBJECT- MATHS

Date/Day	CONTENT	MODE OF ASSESSEME	ASSIGNMEN T/H.W.	TEACHING PEDAGODY	INTERDISCIPLINARY	21ST CENTURY	SDG/VALUE	LEARNING OUTCOME
APRIL (1-15) (10 days)	Bridge Course							
APRIL (16-30) (12 days)	Unit 1 - Place Value 7 digit number 8- digit number Understanding Numbers Comparing And Ordering Numbers International Place Value System Comapring The Two System Rounding off Numbers Roman Numbers GK L 9	Case Study -	WS-	Experiential learning- To understand concept of building numbers using dice.	Science- Solar System	Critical thinking - Debate on usage of Hindu Arabic and Roman Numerals.	SDG 15 - Life On Land Pg 20	* Learn to read and write 7 and 8 digit numbers. *Learn International Place Value System. *Compare Indian And International System *Learn rounding off numbers * learn teh rules for writing Roman Numerals
MAY (1-15) (11 days)	Unit 2 - The Four Operations Addition And Subtraction Story Sums Multiplication And Division Story Sums Four operations together GK L 14,18	Questions On Find The Error -)	Questions from Book	Story Telling- Fish Tale(NCERT) Learning By doing- To show the numbers can be added in any order using plastic counters.	English- Framing word problems using vocabulary word	Collaboration- Project Work-	SDG 6 - Clean Water and Sanitation Pg 34 Worksheet 9 (Be the Change)	*Learn operations on large numbers * Develop an understanding of the operations required for problem solving *learn rules to be followed when the four opeartions are given together.

MAY (16-25) (8 days)	Unit 6 - Symmetry, Patterns and Nets More than one line of symmetry Turning shapes Patterns Nets Drawing 3-D shapes GK L 22	Project-Making Paper Wind Mill	WS-	Experiential Learning - Making Symmetrical Pattern by Ink Blot Use 3 D shapes net/ To understand symmetry using mirror.	Social Science- Finding Lines Of Symmetry in Historical Monuments.		Value: Gratitude	*Understand line of symmetry. *understand rotation and patterns. *Visualise NETS of 3 D shapes. *Develop perspective of different views of a solid shape.
JULY (1-15) (12 days)	Unit 3 - Multiples and Factors Understanding multiples Understanding factors Divisibility rules Prime and composite numbers Prime factorization Highest common factor Story sums LCM Story sums	UT 1		Constructivist- To find the LCM using bindis/counters.		Problem Solving-	SDG 3 - Good Health and Well Being Pg 52	* Recapitulate properties of multiples and factors. *learn divisibility rules. * develop an understanding of prime and composite numbers. * Learn to express composite numbers as product of prime numbers. * Develop an understanding of HCF and LCM and methods of finding them
JULY (16-31) (14 days)	Unit 3 - Multiples and Factors (contd.) Relationship between HCF and LCM GK L 24 Unit 8 - Measurement GK L 28 Revision of UT 1	Quiz	Questions from Book	Inquiry Based- Measure Body Parts And Find Relation Between Their measures.	Science- Water Consumption at Home.	Collaboration- Water Consumption Exploration at Home	SDG 1 - No Poverty	*learn relationship between HCF and LCM.

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OCTOBER (1-15) (8 days)	Unit 4 - Fractions Types,Equivalents Fractions, Lowest Terms,Comparison And Ordering,Operations on Fractions,Story Sums GK L 51,54	Blackboard test	Questions from Book	Introduction By Story Telling Vocabulary Cards; Square Maths Kit	Social Science- Fractions in Flags	Technology Skills- Make Fraction Cards Using MS excel.	SDG 3 - Good Health and Well Being	*revise their knowledge of fractions. * develop an understanding of types of fractions. * learn about equivalent fractions and the method of finding them. * learn to reduce a fraction to its lowest terms. * learn to compare fractions (both like and unlike.) * learn to order fractions. * learn operations on fractions. * understand multiplicative inverse and its importance. *understand and acquire skills to divide a fraction by a whole number and a fraction.
OCTOBER (16-31) (10 days)	Unit 11 - Time And Temperature Units Of time,Conversion,Operations	Class Test	Questions from Book	Learning By doing- To calculate duration of time doing various activities.		Analytical Skills- Find the Error	SDG 15 - Life On Land	*learn to interchange units of time. *learn to find the duration of an activity by addition and subtraction.

NOVEMBER (1-15) (11 days)	Unit 11 - Time And Temperature (contd.) Story Sums, Duration, Temperature GK L 58		Questions from Book		EVS- Greenwich Mean Time(GMT) ; Lunar Day			*learn to find starting/finsihing date. *understand using thermometre and atmospheric temperature.
NOVEMBER (16-30) (12 days)	Unit 7 Percentage (Ex 7.1) Understanding percenatge,Conversions Revision of UT 2	MCQ	Questions from Book	Observation and Peer Learning- Relate percentage with everyday life.		Collaboration- Relate percenatge with everyday life.	Value: Helping Old People	*understand % a s a part of hundred. * learn to convert fractions to percentage and vice versa.
DECEMBER (1-15) (12 days)	Unit 5 - Decimals Understanding decimals, Conversions, Place Values, Comparison,Like And Unlike decimals,Operations	Worksheet	Extra Questions	Vocabulary cards; Learning By doing- To find the product of two like decimal numbers using 10 x 10 grid.	Science- body Temperature Of Humans and Animals	Logical Reasoning - Questions	SDG 3 - Good Health and Well Being	*Learn to read decimals and place value system. * Acquire skills to expand decimal. * learn to convert fractions to decimals and vice versa. * Skill to compare decimals. * Apply knowledge of equivalent decimals to addition and subtraction.

DECEMBER (16-31) (13 days)	Unit 5 - Decimals (contd.) Story Sums,Multiply and Divide by 10,100,1000 GK L 61,68 Unit 10 - Geometry Basic Concepts, Angles,Measuring			Demonstration- Quadrialteral Shapes			SDG 3 - Good Health and Well Being	*acquire skills to multiply and divide decimals and solve story sums. *understanding angles,measurement of angles
JANUARY (16-31) (13 days)	Unit 10 - Geometry (contd.) Types of Angles,Drawing angles,Polygons,Circles GK L 70	Online Worksheet	Questions from Book	Experiential- Tangram Kit, Angles in My Name	Yoga- Suryanamaskar	Self Direction- Making a Degree clock	Value: Understanding our Culture	*naming and drawing of angles using protractor. * learn about polygons and their properties. *learn about circles and its parts.
FEBRUARY (1-15) (11 days)	Unit 9 - Area and Volume Area of rctangle,Square,Composite figures,Triangles,Irregular shapes,Story Sums Volume of different shapes,story sums GK L 71	MCQ	Questions from Book	Story Telling- Learning By doing- Use of Geoboard	Sports- Basketball field	Critical Thinking - Pass Through A Paper	SDG 15 - Life on land	*learn to use formula to find area of square and rectangle. *learn to find area of triangle. *learn to find area of irregular shapes. *calculate volume by counting number of cubes. *learn using formula to find volume. *apply acquired knowledge to story sums.