SANT NANDLAL SMRITI VIDYA MANDIR, GHATSILA

YEARLY SYLLABUS OF MATHS

SESSION 2025-2026

STD V

MONTH	WORK DAYS	TOPIC TO BE TAUGHT	ACTIVITIES	LEARNING OUT COME	VALUES/ SKILLS IMPARTED	ASSESSMENT
APRIL	21	WAYS TO MULTIPLY AND DIVIDE 1. Concept of multiplication and division 2. Different ways to operate and find error in the process 3. Problem sums on daily life 4. Framing questions related to the concept of Multiplication and Division.	• Case study with pictures (correlation with life) to solve the required operation • Solve the sums to solve the puzzles Pg 186	Recapitulation of their previous knowledge about the concept. Able to multiply by 3-4 digit and divide by 2-digit Able to find the error and discuss Able to solve everyday problems(correlation with life) Able to understand the strategies to make questions related to the concept of division and multiplication	Life skills Understanding skill Reading skill Critical thinking Problem solving Self analyzing Calculation	Activity Class observation Multiple assessment – Oral
MAY JUNE	9 11	THE FISH TALE 1. Thematic chapter on the world of fish and fish workers with an integrated approach 2. Recapitulation of basic mathematical operation like shapes, estimation, sense of large numbers, simple operation, speed , loans etc	• Draw sea animals using different mathematical shapes and color • Write a news report about the dangers faced by the fishes in our rivers and seas • Puzzle with large numbers Pg no 18 (WOW) • MOCK FISH market – different types of fish, their price, salt water and fresh water fish.	Able to know about the fish and fish workers Able to do creative revision woven into real life context. Able to read and write the large numbers in Indian and International place value system. K3nowledge about different shapes and use them to develop an image of water animals. Able to estimate the price , weight	Understanding skill Creative skill Critical thinking Problem solving Honesty Discipline Team work	Activity Class observation Multiple assessment – concept mapping

JULY	20	PARTS AND WHOLES 1. Basic concept of fraction 2. Types of fraction 3. Conversion of fraction 4. Operation of fractional numbers	• Draw Indian national flag and write the Fraction for each color? Also mention why White color is less in fraction than the other two? AIL& TRANS-DISCIPLINARY • Make a circular magic top using the seven colors of rainbow in the different fraction as givenAIL • Divide 3 rectangles into six equal parts using different ways for each of them	Understanding fraction as a part of whole or a collection Able to express fraction in numbers and words Understanding fraction as a division and also the concept of numerator and denominator Knowledge about the types of fraction and comparison among them. Able to convert a type of fraction to another type Able to operate addition and subtraction with fractional numbers	Life skills Understanding skill Reading skill Critical thinking Problem solving Self analyzing Calculation	Activity Class observation Multiple assessment – Individual/Group Activity
JULY	6	CAN YOU SEE THE PATTERN? 1.Turns and patterns (1/4,1/2) 2.Magic Hexagons 3.Calendar Magic 4. Coding and decoding message.	• Make your own pattern using alphabets, block painting, drawing AIL& TRANS-DISCIPLINARY	Able to know the logic of making different pattern using the turns. Able to read and understand the patterns Able to play with numbers to solve magic puzzles, finding sums, coding and decoding messages	Understanding skill Reasoning Analysis Problem solving Critical thinking Self confidence Interdependence	Activity Class observation Learning outcome assessment Portfolio
AUG	20	BE MY MULTIPLE , I'LL BE YOUR FACTOR 1.Basic concept of multiples and factors 2.Common multiples and factors 3.Story sums	• Make children play several games with multiples of different numbers (Pg no 87,88,89) • Grouping of different like seeds, pebbles, pens or other items to check the factors and	Able to understand the basic concept of multiples and common multiples Able to understand the basic concept of factors and common factors. Able to connect the topic with real life situation.	Critical thinking Creative thinking Problem solving Observation	Activity Class observation Multiple assessment – QUIZ

			multiples. AIL • Vein diagram for common multiples and common factors AIL			
SEP		REVISION FOR HALF Yearly	HALF YEARLY EXAM TO BE CONDUCTED			
OCT	12	SHAPES AND ANGLES 1.Basic concept of Geometry 2.Various types of angles	Through match sticks: different types of figure are made and their angles have to identify. Individual activity by using their names student will find out the angles. Group activity: Students are taken to the garden and divided in group to find out different angles in trees, plants and flowers. AIL & TRANS-DISCIPLINARY	Able to develop understanding basic concepts Able to compute the problems	Cooperation Creative thinking Problem solving Reasoning	Activity Class observation Multiple assessment - Oral Portfolio
OCT-NOV	4	SMART CHARTS 1. Data expressed visually through diagrams and charts. 2.Represent data through tables 3.Tally marks	Make smart chart to show the endangered species of India AIL& TRANS-DISCIPLINARY	Able to read , understand and analyze the information Able to make their own charts or graphs from the given information.	Life skills Understanding skill Critical thinking Problem solving	Activity Class observation Multiple assessment – Group / Individual Activity
NOV	19	TENTHS AND HUNDREDTHS 1.concept of Decimal 2. Measuring the length 3.Placing of smaller units in decimal form. 4. Currencies of different countries.	Measure the length of different items – vegetables , phases of a burning candle, pencils AIL& TRANS-DISCIPLINARY Observe and sort the objects without actual measurement then measure to check your observation. Measuring their height and weight. Note the same using decimal Make a table to show the value of Indian currency for the	Able to understand the concept of Decimal Able to apply the concept and its operation in different areas. Able to relate smaller and bigger units through decimal points	Mathematical skills Problem solving Critical thinking	Activity Class observation Multiple assessment – Concept Mapping

			different foreign countries.			
DEC	6	HOW MANY SQUARES? 1. Understanding the concept of area 2. Comparison of things in terms of area 3. Identify the largest squares and rectangle within the print to get the area 4. Calculating the area using formula	Leaf impression on square paper to find the area AIL PENTOMINO puzzle with 5 squares (make 12 shapes using 5 squares and arrange them together to get rectangle.) AIL Make your own tile out of a square and design a page by tiling those shapes. AIL	Able to know the basic concept of area. Able to calculate area of given figure by counting the number squares. Able to observe the geometrical symmetry of the shapes to find out their area and also able to compare the area of two different figure. able to make shapes with straight edges or curved edges to cover the given area.	Observation skill Understanding skill Analyzing skill Creative skill Critical thinking Problem solving	Activity Class observation Learning outcome assessment
DEC	12	AREA AND ITS BOUNDARY 1. Concept of area of rectangles and squares. 2.Concept of perimeter of rectangles and squares	Make images of different culture and heritage JHARKHAND in a square paper of 4cm and place them in a A4 sized white paper to find the numbers of images you can place in the A4 sized paper Make a greeting card and find the length breadth to know its area and perimeter Measure the area and perimeter of given items like handkerchief, page of your book door of your classroom chair seat etc AIL & TRANS-DISCIPLINARY	Able to understand the concept of area and perimeter Able to compare the area of two different figure Able to find the number of smaller units that gets fit into a larger one. Able to know the difference between area and perimeter.	Life skills Understanding skill Reading skill Critical thinking Problem solving Self analyzing Calculation	Activity Class observation Multiple assessment - Quiz
JAN	12	HOW BIG? HOW HEAVY? 1. Concept of weighing. 2.Units used for weight 3. Concept of area and volume and its units.	Make your measuring vessel using marbles then find the volume of different things. AIL Filling a jar/glass with small measuring container like syringe , spoon, bottle cap AIL	Able to guess the volume of solid bodies by guessing and informal measurements (using marbles, coins…) Able to make and handle apparatus such as measuring	Life skills Understanding skill Critical thinking Problem solving Self analyzing Calculation	Activity Class observation Learning outcome assessment

			Use match boxes to make different model and calculate the volume of the model by calculating the volume of each match box. AIL Making a paper cube AIL& TRANS-DISCIPLINARY	bottles. Able to measure the dimensions and put them in formula to get the volume		
JAN	10	DOES IT LOOK THE SAME? 1. Basic concept of symmetry 2. Break symmetrical figures 3. Recreate symmetrical figure 4. Rotational symmetry	Make patterns with a drop of color by paper folding activity AIL Make different figures using paper cutting and find the mirror image AIL& TRANS-DISCIPLINARY Make windmill and observe the rotational symmetry AIL& TRANS-DISCIPLINARY	Observe and describe the simple geometrical figures Able to understand the concept of symmetry Able to differentiate between symmetrical and unsymmetrical figures Able to understand the color schemes of the symmetrical figure Able to draw line of symmetry Understand and solve the rotational symmetry – clockwise, anticlockwise, ½ turn, 1/3 turn, 1/6 turn and ¼ turn	Life skills Understanding skill Reading skill Critical thinking Problem solving	Activity Class observation Learning Outcome assessment
FEB		REVISION				

Subject Teachers: Shravani Aditya

Sujata Das

PRINCIPAL