



Indian School Al Wadi Al Kabir

2025-2026	Month:APRIL-MARCH	Syllabus for class: IV Subject: Mathematics		TEXTBOOK USED:NEW MATHS TIME – ORIENT BLACK SWAN		
WEEK	Syllabus/Topic	Learning Objectives	Teaching Strategies	Periods Alloted	Assignments	Teaching material prepared
April 2025						
Week-1						
6-10	BRIDGE COURSE	To bridge the gap, if any and develop the confidence to learn and grasp new concepts.	Teachers will discuss and explain the basic concepts learnt in class IV and the students will solve the worksheets.	6	Worksheets	Worksheets
Week-2						
13-17	CHAPTER-1: LARGE NUMBERS					
	Five and Six digit numbers	To develop the knowledge of reading and writing five digit numbers and 6-digit numbers .	Place Value Chart for five and 6-digit numbers will be explained . Drill Work on the board and Activity sheet 1 will be solved. Textual and Notebook exercises. Art integrated Activity: Abacus making activity	6	Activity sheets on the Spike Abacus/ Place Value Chart will be provided. Questions to be asked and students will solve Activity Sheet 1 independently	PPT, Activity Sheet 1
	Numbers before and after	Standard Form and Expanded Form, Place Value, Face Value, Numbers before and after				
Week-3						
21-24	Comparing numbers Building numbers Rounding Numbers and Roman Numbers	*To find Numbers before and after a number *Compare and arrange numbers in ascending and descending orders. *Building numbers, *To build numbers when the digits are given *To learn to round off a number to	A short drill on numbers before and after. Students will compare and arrange numbers in ascending and descending numbers. With the help of an activity, building numbers will be explained. Show a video to recall the prior knowledge. Explain with examples for better understanding. Oral and written drill. The Tr. Explains the rules and symbols for Roman	5	and TB Ex-1, 2 and 3 and 5 in the TB and Q.4- in N.B- EX 2- 1, 2 and 3 and 5 in the TB and Q.4- in N.B Activity- Building Numbers and NB work from NB PPT	PPT, Number cards, NB work
Week 4						
27-30	Reinforcement and Class test	*To reinforce the concepts learnt and to asses the learning	Worksheets will be given and students will solve them independently.	2	Worksheets	Worksheets
	CHAPTER-2: ADDITION AND SUBTRACTION	*To develop the skill of addition and subtraction of 5-6 digit numbers, apply addition and subtraction in real-life situations	The teacher demonstrates the method of addition and subtraction of large numbers. Students solve TB Exercise in TB and a few questions in NB.	2	TB and NB Ex,	PPT
May 2025						
Week-1						
1st and 4-8	Addition and subtraction of 5 and 6-digit numbers Applications of addition and subtraction	To learn to add and subtract large numbers To learn to apply addition and subtraction in real-life situations	TB and NB exercises to be solved	7	TB and NB Ex , Worksheet, PPT	TB and NB Ex , Worksheet, PPT
Week-2						

11-15	Applications of addition and subtraction	To learn to apply addition and subtraction in real-life situations	Discussion of the word problems and Tb and NB work	1	TB and NB Ex , Worksheet, PPT	TB and NB Ex , Worksheet, PPT
	Reinforcement and Evaluation	To reinforce the concept learnt	Students will solve the worksheets independently	2	Worksheets	Worksheets
Week-3						
18-22	Revision for the Pre-Midterm	to prepare the students for the assessment	Students will solve the Revision worksheet independently.	2	Worksheet	Worksheet
	Chapter- 3: MULTIPLICATION	*To recall the terms and properties of Multiplication. *Multiplying 4 digit number by 1 digit number.	Starter activity - Video - Quiz Drill work on the white board.	4	TB and NB works	
Week-4 25-29						
	*Multiplying 3-digit number by 2-digit number. *Multiply a number by 10, 100 and 1000 and their multiples.	To learn step-by-step multiplication by two digit numbers. Multiplying numbers by 10,100 and 1000 by simple methods.	Drill work on the white board: Teacher explains step by step multiplication of 4 digit number by 2 digit number.	6	Textual exs and note book exs	Recall Worksheet, PPT
	Reinforcement and Evaluation	To reinforce the concept and assess the skills	Worksheets will be solved independently.	2	Worksheets	Worksheets
June 2025						
Week-1						
1-2	Worksheet and Activity for Bagless Day	Enhancing through activities	Activities to be conducted	2	Activity	Activity
	Summer Holidays					
July 2025						
Week -1						
30-31	Remedial Work	To enhance the concepts learnt before the holidays	NB work, oral questions	2	NB work	NB work
August 2025						
Week-1						
3-7	Chapter-7: Symmetry and Patterns	*Recall symmetry and reflection. *To acquire knowledge about reflection symmetry. *Define Reflection symmetry as a type of symmetry that concerns reflections. *To infer that Reflection symmetry is also known as line or mirror symmetry. *Creating patterns. Identifying the rules and completing a pattern.	Showing ppt. Check what you know and a recall Showing ppt. Activity: Cut two symmetrical shapes and paste them into NB. TB works for practice. Activity: Fold a paper strip and cut out four shapes. Paste them in the NB.	1 5	Check what you know on page 116- TB work and Activities	PPT and a recall worksheet TB works and Activities, PPT
Week-2						
10-14	Tessellations and Using patterns to make codes	Students will identify the shapes	PPT, Video and activities	2	Activity and TB work	PPT and activity sheet
	Activities and Evaluation			2	Activity TB	PPT and activity sheet

	CHAPTER-6: GEOMETRY	* to recall the terms used in Geometry – Point, Line, Line-Segment and Ray * to list the characteristics of a Point, Line, Line segment and Ray And identify them.	Activity- Warli Art/ Art work using different shapes. and video	2	Worli Art and making designs using geometrical shapes.	Activity Sheet
Week -3 17-21	Measuring and drawing line segments, closed and open figures, circles and its parts	To learn to measure and draw line segments of the given lengths and differentiate between open and closed figures To identify the parts of a circle.	Activity- measure a line segment, draw a line segment, draw a circle Activity- fold a cutout of a circle to locate the centre.	6	Activities	TB and NB work, PPT and video
Week-4						
24-28 and 31st	Circle and parts	To name the parts of a circle	Activity	3	Activity and TB work	Activity
	Relation between radius and diameter.	To recognise the relation between the radius and diameter of a circle through and activity.	Activity: To find the relation between the radius and diameter of a circle.	2	Activity	Activity
September 2025						
Week 1						
1-3	Reinforcement and Evaluation	To reinforce the concept taught and to evaluate the learning	Students will solve the worksheets independently	3	Worksheets	Worksheets
Week 2						
7-11	REVISION FOR THE MIDTERM ASSESSMENT	To prepare the students for the exam	Revision worksheet will be solved	5	Worksheet and questions from TB	Worksheet
Week-3 and 4	Midtem Exam					
Week 5						
28-30	Chapter-4-Division	Recall properties of division, Division of a 3-digit number by a 1-digit number	Recall worksheet, TB work, PPT and Video	3	Recall worksheet and TB work	Recall worksheet, TB work, PPT and Video
October 2025						
Week-1						
1-2	Chapter-4-Division	Division of a 4-digit number by a one -digit number	TB and NB work will be done	2	TB and NB work	PPT
Week 2						
5-9	Division by 10, 100 and 1000. Divide and check	To identify the pattern while dividing a number by 10,100 and 1000 and learn to find the quotient and the remainder without actual division	Drill work from TB	2	TB work	PPT

	Dividing by a 2-digit number	-Divide 2-digit and 3-digit Dividend by 2-digit Divisor using Long Division method. -Analyze and solve the given sums.	Explanation of the steps by the teacher.	4	TB and NB work	PPT
Week 3						
12-16	Application of division	To develop Problem Solving ability	Discussion of the word problems. Students will read the word problems, write the statements and solve the real-life problems.	2	TB and NB work	PPT
	Reinforcement and Evaluation	*to solve exercises and worksheets independently.	Tr. gives worksheet and activity worksheets to solve and students solve independently.	2	worksheet	worksheet, Activity sheet
	Chapter 5: Multiples and Factors	To understand the concept of multiples of a number and its Properties	Starter activity – Learning by doing Number cards activity, Oral drill and NB and TB Ex	2	Recall worksheet and TB and NB work	Recall worksheet,PPT and video
Week-4						
19-23	Chapter 5: Multiples and Factors					
		*to list the properties of Multiples	Tr explains the properties of multiples. Oral drill & notebook exercise	1	Notebook exercise	games , PPT
		* to identify and state when two numbers have the same multiples, they are called common multiples of the numbers.	Teacher explains the common multiples by solving in the white board and further asked to solve Note book and textbook exercises mentioned	2	TB & NB exercise	Art integrated worksheet
Week-5	Mathemagica					
26-30	Factors	*to recall and state that when two numbers are multiplied, we get the product and the two numbers multiplied are the Factors of the product. * to list the properties of factors	**Activity using the square tiles from the Math lab to find factors of a given number. **FACTOR ACTIVITY: Arrange any beads or readily available materials to make factors and understand that a number can have multiple pairs of factors. Materials that can be used – pulses, beads etc Activity – Joyful learning from real-life experiences. Brainstorming - Have you ever thought why most of the chocolates have 12 pieces? Find out how you can distribute a chocolate bar differently.	2	TB & NB exercise	PPT
	Finding factors	* to find the factors of a given number using multiplication. *to state that when a number is divided by another and there is no remainder, the divisor and quotient are the factors of the number.	Teacher illustrates the two methods to find the factors of a number by multiplication and division method on white board.	2	TB and NB Exercise	PPT
	Common Factors	* to find common factors of the given pairs of numbers. * to identify and list the common factors of a given number.	Discussion on the common factors of two numbers using the Venn diagram.	2	NB exercise and art integrated worksheet	Worksheet and PPT
November 2025						

Week 1 2-6	Factor Tree	* to state that a factor tree shows the different ways in which a number can be made by multiplying its factors.	The teacher explains that the Factor Tree of a number shows how the number is split into its factors till it cannot be split further. Activity – Encourage students to make a factor tree using UNO cards, straws or toothpicks on chart paper.	2	Activity, NB and TB exercise	Activity, PPT
	Divisibility tests	* to state tests of divisibility help us to find the factors of a number easily. * to state that the rules of divisibility help them to find out which number divides others without leaving any remainder	Teacher explain the tests of divisibility by 2, 3, 4,5, 9and 10 with the help of rules statements.	2	Activity, NB and TB exercise	Activity, PPT
	Reinforcement and Evaluation	*to solve exercises and worksheets independently. *to evaluate the knowledge, understanding, skills, and aptitude acquired by the students.	Tr. gives worksheet and students will solve the worksheet independently to reinforce the concept.	2	Solve the sums given in the worksheet.	Worksheet, and Class test worksheet
Week-2 9-13	Activties					
Week -3 16-20	Chapter- 8: Fractions	·to recall the terms such as Whole region, Fraction of a region or Collection, parts of a fraction. to identify that the number above the fraction bar is the Numerator and the number below is the Denominator.	worksheet provided to students to recall the concepts learnt in Class III followed by the chapter check up in the textbook. Fraction song was played to integrate Math with Music. Fraction Robot Making Activity to understand the fractions better.	2	Recall Worksheet and Check what you know in textbook	Worksheet and PPT
Fraction of a collection		Finding fraction of a collection - Identify the steps involved in finding the fraction of a number by dividing number by the denominator and then multiply the quotient by the numerator. Apply the knowledge in real life situations and solve the questions like find the fraction of an hour, a day, a dozen, a week etc.	Teacher explains using the whiteboard that to find fraction of a collection, divide the number by the denominator, then multiply the quotient by the numerator.	3	TB and NB work	PPT
Week-4 23-27 and 30th	Equivalent fractions	Recognize that equivalent fractions show same amount or value.	Math Lab Activity - Paper strip Folding Activity to understand the Equivalent Fractions. Cross Curriculum-Fun Time Online game (connecting Math to History): Activity shows the background of Egypt. There are pharaohs who hide the card. Students need to identify the correct pair of equivalent fractions.	2	TB and NB work, activity	Activity, PPT
	Like and Unlike fractions	Identify Like Fractions as fractions with the same denominator and Unlike fractions as fractions with different denominators.	Teacher explains like fractions by giving examples on the whiteboard for like and unlike fractions. For example, 4/6, 2/6 and 5/6 are like fractions while $\frac{3}{4}$, 4/6 and 7/9 are unlike fractions.	1	TB and NB work, activity	PPT

	Comparing and ordering like fractions	<ul style="list-style-type: none"> Identify the greater fraction by knowing the value of the numerator in like fractions. 	· With the help of examples explained on white board, Teacher, elicits from students that fraction with the greater numerator is greater fraction (to compare like fractions compare their numerators only).	2	TB and NB work, activity	PPT and ACTIVITY
	Adding and subtracting like fractions	· State that to add/subtract like fractions, we need to add/subtract the numerators and write the sum/difference over the denominator.	Activity using paper strips, TB and NB work	2	NB and TB work, activity	PPT and activity
December 2025						
Week-1						
1-4	Proper and Improper fractions	Define Improper fraction as a fraction with the numerator greater than the denominator. <ul style="list-style-type: none"> Infer that an improper fraction is equal to or greater than 1. Infer that a proper fraction is always greater than 0 but less than 1. State that UNIT fractions are fractions having 1 as the numerator 	The teacher draws fraction circles on the whiteboard to explain proper and improper fractions. Activity using fraction circles.	2	Text book	PPT and activity
	Worksheet and evaluation	To reinforce the concept and then to measure learning	Worksheets will be solved by the students	2	Worksheets	Fraction Maze Handout, Worksheet and Class Test
Week-2						
7-11	Lesson 14- Handling Data	Students will be able to recall – Data means the information we collect Pictograph uses pictures to represent data A Bar graph uses bars of different heights to represent data.	Introduction through video, PPT	1	Recall worksheet	Worksheet and PPT
	Pictograph	PICTOGRAPH Reads and interprets the data represented in the form of pictures in a Pictograph.	Solve the Recall Worksheet The teacher will discuss the Recall worksheet's answers.	1	TB WORK	Worksheet and PPT
	Tally Marks	TALLY MARKING Students will be able to collect data. represent it in tabular form with the help of Tally Students will be able to collect data. represent it in tabular form with the help of Tally Marks	Activty-Collect data and represent it as Tally Marks	2	Activty and TB work	Activity, PPT
	Circle Graph	Students will lesrn to interpret a circle graph and draw a circle graph when the data is given	Explanation through activities and video	2	TB and NB work	PPT
Week-3						
14-18	Worksheet and Evaluation	to reinforce the concept learnt	Worksheet will be solved by the students	1	Worksheet	class test worksheet
		To evaluate the knowledge, understanding, skills, and aptitude acquired by the students.	Worksheet will be solved by the students.	1		

	Activity	Art integrated activity- Multidisciplinary activities -To relate Mathematics to other subjects.	Online Energizer for Multidisciplinary activities	1	Online Energizer for Multidisciplinary activities	Activity
January 2026						
Week-1						
5-8	Remedial Work Chapter-9: Measurements	To enhance the concepts	NB work to enhance the concepts learnt	2	NB work	NB work
	Measurements of length	To acquire knowledge of the	Recall of the concept learnt in the previous class	2	TB and NB work, recall worksheet and activity	PPT, Recall Worksheet, Activity for measuring length
	Conversion of Units	To learn to convert the units of length and apply the conversion in solving real-life problems.	Explanation with the help of examples. Later the students complete the TB and NB work and complete the activity for measuring lengths using different units and converting the units.	3		
	Application					
Week-2						
11-15	Measurements of mass	Use kg and g to measure mass	Demonstration of conversion of units. Activity to measure the mass of various objects. Solve questions from TB and worksheet.	6	TB and NB work, worksheet and activity	PPT, Worksheet, Activity for measuring mass
	Conversion of Units	To learn to convert the units from kg to g and vice-versa.				
	Application	Apply the conversion of units in daily life situations				
Week-3						
18-22	Measurements of capacity	To recall that capacity is measured in litres and millilitres	Activity to measure the capacities of different containers. Questions from TB and Worksheet	6	TB and NB work, worksheet and activity	PPT, Worksheet, Activity for measuring capacity
	Conversion of Units	To learn to convert the units from kg to g and vice-versa.				
	Application	Apply the conversion of units in daily life situations				
Week-4						
25-29	Reinforcement and Evaluation	To enhance the concepts learnt and to access the skill developed	Worksheet will be solved	3	Worksheets	Worksheets
	Chapter-13-Time	Learn to tell the time Telling time in different ways half past and quarter to and quarter past	ACTIVITY-IT'S TIME TO KNOW THE TIME! INTERDISCIPLINARY ACTIVITY: CONNECT MATH WITH MUSIC AND DANCE (PRAYOG- NCF)	3	Recall Worksheet TB work and activties	Worksheet, Activty and PPT
February 2026						
Week-1						
1-5	Time before and after	is able to tell the time before or after a certain period of time	By showing different times on the clock, Tr. elicits the terms 'before' and 'after' a given time. Students can calculate the time interval by using a clock and later without a clock	4	TB and NB work	PPT and clock
	Time interval	Can find the duration				
Week-2						
8-12	24- hour clock and using a.m. and p.m.	* State that a.m. is the time after midnight and before noon. * State that p.m. is the time after noon and before midnight. * Recognize that instead of 12:00 a.m. or 12:00 p.m., we write midnight and noon respectively. * Draw the timeline with a.m. and p.m. marked on it.	ACTIVITY: IS IT A.M OR P.M? (BODH-NCF) THINK-PAIR-SHARE (BODH-NCF)	2	TB and NB work	TB and NB work

	Time interval and starting and finishing time	* Identify that finishing time is calculated by adding or counting forward when the starting time and duration are given. * Find the finishing time of an activity when starting time and duration are given. * Give real life situations wherein finding finishing time is required.	Collaborative activity	2	TB and NB work	Activity and NB work
	Worksheet and Evaluation	To enhance the concepts learnt and to access the skill developed	Worksheet will be solved	2	Worksheets	Worksheets
Week-3 15-19	REVISION FOR THE FINAL EXAM	To prepare the students for the exam	Revision worksheets will be solved	6	Worksheets and questions from TB	Worksheets
Week-4 22-26	REVISION FOR THE FINAL EXAM	To prepare the students for the exam	Revision worksheets will be solved	6	Worksheets and questions from TB	Worksheets
Mar-26	FINAL EXAM	FINAL EXAM				