NISHAN – E – SIKHI INTERNATIONAL SCHOOL, KHADUR SAHIB

PEDAGOGICAL PLAN FOR CLASS 4TH

SUBJECT – MATHEMATICS

MONTH	WEEK	TOPIC	LEARNING OUTCOMES	ACTIVITIES	ASSESSMENT USED
APRIL	WEEK 1	Ch: 1 Roman and regional numeral	❖ To know how the numbers are written using roman and regional numbers ❖ To write roman numerals for Hindu – Arabic numerals upto 29 and vice versa ❖ Write regional numbers for Hindu Arabic numerals and vice versa	Observe and answers	Observation of level of understanding
	WEEK 2	Ch 2: Numbers and numerations	❖ To learn the extension of numbers to five and six digit number by adding 1 to 9999 ❖ Write large numbers of 5 or 6 digits using commas a different periods ❖ Identify the place value of a digit in a given number and express the number in the expended form	Class worksheet and written test	Marks for correct responses

	WEEK 3	Numbers and numeration	❖ Arrange the given numbers in order from the smallest to the greatest and from greatest to the smallest using the signs of > and < ❖ Form the greatest and the smallest number with the given digits by repeating a digit more than once ❖ Round a given number to the nearest ten and hundred	Work sheet ✓ To divide a square by a paper folding to make : ➢ Four equal rectangles ➢ Four equal squares ➢ Four equal triangles	Marks for correct responses
	WEEK 4	Revision of chapter 1 and 2		✓ To draw the triangle , rectangle , square on the dot paper	
MAY	WEEK 1	Factors and multiples	❖ To understand the meaning of factors and multiples of a number ❖ Find all possible factors of a given number ❖ Find multiples of a given number	Class test	1 marks for each correct response.
	WEEK 2	Factor and multiples	❖ Know about odd and even numbers ❖ Know about prime and composite numbers	Blackboard test	Observation of level of understanding

			❖ Learn tests of divisibility by 2, 3, 5, 9, 10, 4 and 8.		
	WEEK 3	Revision of chapter 3 (factors and multiples)			
	WEEK 4	Addition and subtractions	❖ To extent learning of addition and subtraction of numbers to large numbers ❖ Solve word problems involving addition and subtraction	Written test	Marks will be awarded for correct answers
JUNE	WEEK 1	Summer vacations			
	WEEK 2				
	WEEK 3				
	WEEK 4				
JULY	WEEK 1				
	WEEK 2				
	WEEK 3	Fractional numbers	❖ To classify fractions into proper , improper and mixed fraction ❖ Take fraction and division sum and vice versa ❖ Convert mixed fractions into improper fraction and vice versa.	✓ To shade $1/4^{th}$ part of your palm impression. ✓ To fill a given region with thumb impressions.	Observation of level of understanding

	WEEK 4	Fractional numbers	❖ Learn about equivalent fractions ❖ Write several equivalent fractions of a given fraction ❖ Reduce a given fraction into its lowest terms ❖ Compare two fractions ❖ Find the sum and the difference of two fractions	Written test	Marks will be awarded for correct answers.
AUGUST	WEEK 1	Revision of chapter 3 and 4		✓ To make a tilling pattern on a dot paper using geometrical shapes as tiles	Observation of level of understanding

	WEEK 2	Chapter 9 geometrical concepts	❖ Know the three basics terms of geometric namely point ,line and plan ❖ Distinguish a line, ray and a line segment ❖ Know about angles and triangles and their parts ❖ Know that angles are of three kinds namely right, acute and obtuse angles	✓ To find the centre and radius of circle by paper folding ✓ To make a geometrical design using a pair of	Observation of level of understanding.
	WEEK 3	Chapter 9 Geometrical concepts	❖ Know the three kinds of triangles ,namely equilateral , isosceles, scalene triangles ❖ Know about quadrilaterals and polygons ❖ Appreciate the role of symmetrical figures in making beautiful designs on the clothes and buildings ❖ Make use of compass in making a circle	✓ To make a pattern compass and a ruler of circle with the same centre but different radii ✓ To make a pattern of the same radius but different centres on the line.	Observation of level of understanding

	WEEK 4	Pictorical representation of data	❖ Know that an information received from any kind of survey can be represented in many ways ❖ Pictograph is one method of presenting information using symbols and pictures	Written test	Marks will be awarded for the correct answer
SEPTEMBER	WEEK 1	Revision of terminal tests			
	WEEK 2				
	WEEK 3	Summative assessment			
	WEEK 4				
OCTOBER	WEEK 1	Multiplication and division	❖ To learn multiply a number by 10,100,1000 and their other multiples ❖ Divide a number by 10,100,1000 ❖ Multiply a number by a 3 digit number	✓ To arrange the cutouts of a trangram set in the shape of the first alphabet of your name	
	WEEK 2	Multiplication and division	❖ Divide a number by 1 or 2 –digit number ❖ Estimate the product and the quotient of two numbers ❖ Solve simple problems involving multiplication and division using unitary method	Blackboard test	Observation of level of understanding

	WEEK 3	Revision of chapter 5th Multiplication and division			
	WEEK 4	Chapter 8:time	❖ To read the time in hours and minutes both using 12 hour clock and 24 hour clock ❖ Convert time given in 12 hour clock to 24 hour clock and vice versa	Observe and answer	Observation of level of understanding
NOVEMBER	WEEK 1	Chapter 8:time	❖ To learn the relationship between various units of time such as minutes and seconds ❖ Read the bus time table and railway time table to convert the duration of a journey	Blackboard test	One mark for correct answer and zero for incorrect answer
	WEEK 2	Chapter 10 Line segments and angles	❖ To measure and draw a line segment using a scale ❖ Measure and draw an angle using a protector		Observation of level of understanding
	WEEK 3	Chapter 10 Line segments and angles	❖ Classify angles both on the basis of sides and angles ❖ Learn about complementary	Written test	One mark for the correct answer and zero for incorrect answer.

			and supplementary angles		
	WEEK 4	Revision of chapter time and line segment and angles			Marks will be awarded for the correct answers.
DECEMBER	WEEK 1	Chapter 11 perimeter	❖ To know what a perimeter is ❖ To measure the perimeter of a polygon ❖ Find perimeter when the lengths of the sides of polygon are known	✓ To measure the length of the boundary line of the top of a book using thread and a scale.	One mark for correct response
	WEEK 2	Chapter 11 Perimeter t	❖ Find perimeter when the lengths of the sides of polygon are known	✓ To measure the length of the boundary line of any shape drawn on paper using thread and scale	One mark for correct response
	WEEK 3	Chapter 12 decimal	❖ To express fractions with denominator in power of 10 in decimal ❖ Compare two or more decimals	✓ To measure the heights and weights of all members in a group	Observation of level of understanding and marks will be given according to their level.
	WEEK 4				

JANURARY	WEEK 1	Winter vacation			
	WEEK 2	Chapter 12 decimals	❖ Write equivalent decimals ❖ Make use of decimals in units measurements		One mark for correct answer.
	WEEK 3	Revision of perimeter chapter			Observation of level of understanding
	WEEK 4	Revision of decimal chapter			Marks will be awarded for correct answers.