

NISHAN – E – SIKHI INTERNATIONAL SCHOOL, KHADUR SAHIB.

PEDAGOGICAL PLAN FOR CLASS 5TH

SUBJECT - MATHEMATICS

MONTH	WEEK	TOPIC	LEARNING OUTCOMES	ACTIVITIES	ASSESSMENT USED
APRIL	WEEK 1	Roman numerals	<ul style="list-style-type: none"> Each child is expected to know how number are written in romen numerals. Write roman numerals for Hindu Arabic numerals upto 1000 and more Children will learn how to interpret the Hindu Arabic numerals and roman numerals 	Observe and answers	Observation of level of understanding
	WEEK 2	numbers	<ul style="list-style-type: none"> Children will learn how to write Indian place system and international place system Difference between the two place value chart Write the given number using both the charts Write the place value of a digit in a number using both the charts Understand the importance of rounding of numbers Round a number a nearest to tens hundreds,thousands,etc. 	Class worksheet and written test	Marks for correct responses
	WEEK 3	Four basic operations	<ul style="list-style-type: none"> Each child is expected to extent learning of four fundamental operations on large numbers Solve word problems using four different operations 	Work sheet	Marks for correct responses
	WEEK 4	Factor and multiples	<ul style="list-style-type: none"> Understand the meaning of factors and multiples of a number 	Assignment related to factors and	Marks for correct

			<ul style="list-style-type: none"> Find all the possible factors of a given number by using simple or easy method Find multiples of numbers by using easy method Know about odd and even numbers Know test of divisibility by 2,3,5,9,10,4 and 8 	muliples	responses
MAY	WEEK 1	Factor and multiples	<ul style="list-style-type: none"> Learn about prime factorization of a number Know about HCF and LCM of numbers Know about how to find HCF and LCM by using prime factorization How to find HCF by continue divison method 	Class test	1 marks for each correct response.
	WEEK 2	Factors and multiples	<ul style="list-style-type: none"> How to find HCF and LCM by using continue division method Revision of chapter roman numerals and numbers 	Blackboard test	Observation of level of understanding
	WEEK 3	percentage	<ul style="list-style-type: none"> Learn the concept of percent and its notion Understand the concept of fraction and decimal How to express a percent into fraction,a percent into decimal,a fraction into percent and a decimal into fraction 	Blackboard test	Observation of level of understanding
	WEEK 4	Percentage	<ul style="list-style-type: none"> Express a number or a quantity as a percent of a another Find the given percent of a number of quantity 		
JUNE	WEEK 1	Summer vacation			
	WEEK 2				
	WEEK 3				
	WEEK 4				
JULY	WEEK 1	Summer vacation			
	WEEK 2				
	WEEK 3	Time and calender	<ul style="list-style-type: none"> Read time from a 24 -hour clock Express time given in 12-hour as a time in 24 hour clock and vice versa Read bus and train tables and interpret them for finding the duration of journey 	To make the face of clock by paper folding	Observation of level of understanding
	WEEK 4	Time and calender	<ul style="list-style-type: none"> Make a use of a calendar , in calculating duration 	Written test	Marks will be awarded for correct answers.
AUGUST	WEEK 1	Perimeter and	<ul style="list-style-type: none"> Children will about open , closed and simple 	To calculate the the	Observation of

		area	closed curves <ul style="list-style-type: none"> • Know what is perimeter • Know that perimeter is defined for only simple closed curves • Know the formulae of the perimeter of a circle • Apply formulae and find the perimeter of a given rectangle , triangle ,and area of squares • Find the area of square and a rectangle 	perimeter and area of rectangle To calculate the perimeter of different shapes by using graph paper	level of understanding
	WEEK 2	Basic geometrical concepts	<ul style="list-style-type: none"> • Children will know the three basic of geometry , namely point ,line and plane • Know that angles are three kinds , namely right ,acute and obtuse angle • Know about complementary and supplementary angles • Distinguish a line , a ray ,and a line segment 	<ul style="list-style-type: none"> • To observe the hands of a clock at different times in a day and record types of angles formed in each case between the two hands . • To make a set of tangram cutouts by paper folding and cutting and to make geometric figures using its pieces. • To find the area of each part of a set of tangram pieces by counting number of complete squares . 	Observation of level of understanding.
	WEEK 3	Decimals	<ul style="list-style-type: none"> • Children will be able to distinguish between like and unlike decimals • Round the given decimal to the nearest whole number , tenth , and hundredths . 	Class worksheet	According to the weightage of the marks the assessment will be done.
	WEEK 4	Representation of	<ul style="list-style-type: none"> • Students will be able to know about the bar graph and 	Analysis of graph	Observation of

		data	their use <ul style="list-style-type: none"> • Interpret a given bar graph • Display a given information through a bar graph 		level of understanding
SEPTEMBER	WEEK 1		Revision of chapters		
	WEEK 2		Revision of chapters		
	WEEK 3		Written exams		
	WEEK 4		Written exams		
OCTOBER	WEEK 1	Fractional numbers	<ul style="list-style-type: none"> • Classify the fractions into proper , improper , and mixed fractions • Convert the improper fraction into mixed fraction and vice versa • Write several equivalent fraction of a given fraction • Reduce a given fraction into its lowest form 		
	WEEK 2	Fractional numbers	<ul style="list-style-type: none"> • Find the sum and difference of two fractional numbers • Find the product and quotient of two fractional numbers • Solve simple problems involving four operations on fractional numbers 	To represent the fraction by paper folding	Observation of level of understanding
	WEEK 3	Operations on decimals	<ul style="list-style-type: none"> • Add given decimals • Subtract a decimal from another decimal • Multiply a decimal by a whole number • Divide a decimal by a whole number • Know the properties of multiplication and division of decimals • Solve simple problems involving four operation on decimals 	written test	According to the weightage of the marks will be given.
	WEEK 4	Simplification of numerical expressions	<ul style="list-style-type: none"> • Simplify a given numerical expressions involving whole numbers • Simplify a given numerical expression containing more than one bracket 	To make 3 x 3 magic square using numbers 1 to 9	Observation of level of understanding
NOVEMBER	WEEK 1	Patterns	<ul style="list-style-type: none"> • Understand a given pattern • Extend a given pattern by few more steps • Make a simple generations from a pattern 	<ul style="list-style-type: none"> • To find the lines of symmetry in square and rectangle • To make closed shapes using match 	Observation of level of understanding

				sticks.	
	WEEK 2	Circle	<ul style="list-style-type: none"> • Draw circles with objects , cut – outs , and stencils • Identify various terms related to a circle • Construct a circle of a given radius , with a compass 	Draw a circle with a compass having different radii	Observation of level of understanding
	WEEK 3	Parallel and perpendicular lines	<ul style="list-style-type: none"> • Know that a pairs of lines drawing in a plane are either intersecting lines or parallel lines • Define parallel and perpendicular lines 	Observe and answer	One mark for the correct answer and zero for incorrect answer.
	WEEK 4	Parallel and perpendicular	<ul style="list-style-type: none"> • Illustrate parallel and perpendicular lines in objects of day to day use • Know the use of a pair of set squares and draw parallel and perpendicular lines using them 	Written test	Marks will be awarded for the correct answers.
DECEMBER	WEEK 1	Volume	<ul style="list-style-type: none"> • Know the concept of volume • Unit of volume • Find the volume of a container in the terms of 1 cm cubes • Determine the volume of a cuboid or a cube using formula 	Oral test of formulae	One mark for correct response
	WEEK 2	Measurement of length,mass and capacity	<ul style="list-style-type: none"> • Know various units of measuring length,mass and capacity and their relationships • Convert units into another units 	Oral tests	One mark for correct response
	WEEK 3	Measurement of length, mass and Capacity money	<ul style="list-style-type: none"> • Children will learn about unitary method Operate for operations on the units of various measures • Solve simple word problems • Know the concept of cost price,selling price,loss and gain • Calculator loss or profit,given CP an SP 	Blackboard test	Observation of level of understanding and marks will be given according to their level.
	WEEK 4				

JANURARY	WEEK 1				
	WEEK 2	money	<ul style="list-style-type: none"> Calculate S.P or C.P when loss and profit given 	Worksheet	One mark for correct answer.
	WEEK 3	money	<ul style="list-style-type: none"> Calculate interest on a sum of money borrowed and deposited for the certain period at the specified rate of interest 	Blackboard test	Observation of level of understanding
	WEEK 4	temperature	<ul style="list-style-type: none"> Know that a thermometer is a heat measuring instrument Know that temperature is measured two scales,Celsius and Fahrenheit 	Written test	Marks will be awarded for correct answers.