

CLASS IV MATHS SYLLABUS

Book : MATHS BEYOND BY P.P PUBLICATIONS

month	unit /chapter/topic	learning objective	pedagogy tools used		learning outcomes/skills learnt by students
APRIL	chapter 1 large numbers	after completing the chapter, students will be able to do.. write place value of a digit in a number. read and write 6 digit numbers comparing and ordering number, round off numbers, read and write basic rules of Roman numerals.	drill method, demonstration method, group method	draw a clock using Roman numerals.	write place value of a digit in a number. solving life related problems. /creativity .
	chapter 2 addition and subtraction	addition and subtraction of large numbers with and without regrouping apply the concept of addition and subtraction in real life problems.	demonstration method , group method, lecture method, blackboard method	collect the birth year of your family members and find sum of all member's birth year and find difference of your father's and your birth year https://www.mathsisfun.com/roman-numerals.html https://diksha.gov.in/play/content/do_30074476?referrer=utm_source%3Dmobile%26utm_campaign%3Dshare_content	large addition and subtraction also use addition and subtraction in life related problems / decision making.
MAY	chapter 3 multiplication	properties of multiplication, multiply with one digit, two digit and three digit number, estimate the product and application.	blackboard method, lecture method, demonstration method, used smart board	make multiplication table flower by choosing table number of your choice.	multiplication till 3-digit numbers ,estimated product and use multiplication in life related problems./
June	summer break				
July	chapter 4 division	properties of division, divide by 1 digit and two digit, 10,100,1000....., estimating division and application.	Black board method, demonstration method, learner centered method	https://edu.qcglobal.org/en/multiplicationdivision/introduction-to-division/1/	know about properties of division and method to solve division sums till 2-digit numbers, estimated division and use in life related problems./ equality
	chapter 9 symmetry and pattern	create and extent patterns in numbers and shape, define symmetrical figures, identify line of symmetry. locate the line of symmetry in various figures.	do and learn method , demonstration method, activity method , group method	https://diksha.gov.in/play/content/do_31320004613213388814372?referrer=utm_source%3Dmobile%26utm_campaign%3Dshare_content	able to see symmetry in every object , things used in daily life and balancing in life. / creativity,critical thinking, self awareness.
AUGUST	chapter 6 fractions	define and find fraction of a number and collection, application, find equivalent, lowest and simplest form, like and unlike fractions, their comparison and order. add or subtract fraction and their conversion.	black board method, demonstration method	https://edu.qcglobal.org/en/fractions/introduction-to-fractions/1/	solve fraction related sums and convert improper fraction into mixed fraction and vice-versa , addition and subtraction of 2 or more fractions./ creativity and decision making
SEPTEMBER	Term-1 Exams				
OCTOBER	ch-8 GEOMETRY	define basic geometric terms such as point, line, ray, and line segment. classify triangle identify circle and its parts, types of angles	demonstration method, lecture method		draw line , ray , line segment, circle and its parts, triangles and angles. / art, creativity, decision making,
	chapter 10 measurement	identify the standard units of measurement of length, weight and capacity. conversion, addition and subtraction of units and their application	lecture method, demonstration method, blackboard method, discussion method	https://in.ixl.com/maths/class-iv/compare-and-convert-metric-units-of-length	addition and subtraction of units and their conversion. / creativity, problem solving , accuracy.
NOVEMBER	chapter 11 perimeter and area	define and calculate perimeter of 2D shapes by adding all sides and using formula also find area of 2D shapes by using formula and counting squares.	demonstration method, lecture method, activity method	https://diksha.gov.in/play/content/do_3	solve life related problems by find area and perimeter by using formula and different methods./ creativity, decision making, problem solving , accuracy.
DECEMBER	chapter 13 money	apply arithmetic operations on money and using unitary method	lecture method, group method, activity method, discussion method	https://in.ixl.com/maths/class-iv/add-subtract-multiply-and-divide-money-amounts	learn sale and purchase using calculation. / creativity , decision making, problem solving, self awareness, accuracy.
JANUARY	chapter 14 data handling	read and draw pictograph, bar graph and circle graph.	demonstration method, activity method	https://in.ixl.com/maths/class-iv/interpret-bar-graphs	draw different types of graphs and observe given graph to give answer of given questions. / creativity, decision making.
FEBRUARY	Term-2 Exam				