

THE AIR FORCE SCHOOL: SUBROTO PARK : DELHI CANTT-110010

Class: IV

Sub: MATHEMATICS

Weekly Syllabus: Academic Session 2024-25

Course book: Math-Magic Book-4

Publisher: NCERT

Month	Week	Dates		Days	No of Periods	Chapter	Content	Activities
Apr-24	I	01-06*		05	06	Ch -1 Building with Bricks	Wall pattern, jaali pattern Floor pattern, Jharokha and arch in buildings. Concept of Faces and edges (brick) Recap of standard form and number names of numbers	Observing wall pattern and jaali pattern in school building
	II	08-12	11- Eid-ul-fitr 14-Ambedkar Jayanti	04	05	Ch -1 Building with Bricks	Addition and subtraction of numbers in thousands Application questions (based on brick cost and number)	Digit cards-formation of numbers(largest/smallest/odd/even)
	III	15-19	17-Ram navmi 21-Mahavir Jaynti	04	05	Ch -1 Building with Bricks Ch-2 Long and Short	Application questions continued Line- measurement, drawing lines of given length Distinguish between long, tall and short	
	IV	22-27*		06	06	Ch-2 Long and Short	Units of measurement of length/distance (cm, m, km) Conversion of m to cm and vice-versa Addition and Subtraction of measures Application question based on m, ,cm	School campus walk- to identify the suitable unit (m, cm, km) of measuring things around us

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	V	29-30		02	02	Ch-2 Long and Short	Conversion of km to m and vice-versa Application questions based on m and km	Draw /Paste pictures of 2 things measured in cm, m, km
May-24	I	01-03		03	03	Ch-3 A Trip to Bhopal	Addition and subtraction of numbers. Application questions on mixed operations	
	II	06-10		05	07	Ch-3 A Trip to Bhopal	Estimation of numbers(answers). Forming numbers using 3 digits. Finding unit price(division)	Forming numbers using digit cards
	III	13-17		06	07	Ch-3 A Trip to Bhopal	Sums and application questions based on multiplication, addition, division (by 10,100 and divisors up to 35).	Puzzle time-questions based on numbers
***** SUMMER BREAK 20 MAY - 30 JUN 2024*****								
Jul-24	I	01-06*	UT-1/ MT-1 Class I-V 01- ONLY STAFF	05	07	Ch-4 Tick –Tick -Tick	Introduction to clocks- Analog and Digital, Understanding hour hand and minute hand. Reading the time from a clock, making hands of clock to show time Calculating duration, Finding elapsed time	Activity-Just a minute e.g., how many times can you snap your finger, jump up and down, clap in 1 minute
	II	08-12	UT-1/ MT-1 Class I-V	05	06	Ch-4 Tick –Tick -Tick	sequence of months, timeline Writing date in proper format, Calculating number of days between two dates. Concept of expiry date	Activity- write Mfg &Exp date for 3 things. find the validity period
	III	15-19	17-Moharram	04	05	Ch-4 Tick –Tick -Tick	a.m./p.m. concept, (12-hour clock format), 24-hour clock format Converting time from 12-hour clock time to 24-hour clock time	Human clock- pick your minute and hour hand

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	IV	22-27*	20 – Open House UKG-V	05	07	Ch-4 Tick –Tick -Tick Ch-5 The Way The World Looks	Converting time from 24 to 12-hour clock Views of objects-top, front, side view (of class ,bowl, box etc) Directions and readings on route/ map. Dice- faces, top view, side view	Outdoor drawing activity- draw the top, side and front view of 1 object
	V	29-31		03	03	Ch-6 The Junk Seller	Multiplication (2-digit number by 2-digit number)	Ping-pong activity with numbers
Aug-24	I	01-03*		03	03	Ch-6 The Junk Seller	Multiplication (3 digit by 1 digit), Unitary method, Money (rate/cost) based problems	
	II	05-09		05	07	Ch-6 The Junk Seller	Calculating total Amount. Application questions based on money	Reading a Bill-its important parts
	III	12-16	15-Independence day	04	04	Ch-6 The Junk Seller Ch-7 Jugs And Mugs	Application questions based on money contd Capacity-Introduction. Measuring jars, cans and cups. Units of capacity-l, ml (liquids measured in ml and l). Estimation of quantity	Demonstration activity- Making 1 litre using 100ml, 200ml,250 ml and 500 ml beakers
	IV	19-23	19-Raksha Bandhan	04	05	Ch-7 Jugs And Mugs	Relation between liters and milliliters Using addition and multiplication to make 1 litre Application questions based on Capacity (Addition of milliliters /litres)	Individual activity-My 1 litre bottle
	V	26-31*	26- Janmashtami	05	06	Ch-7 Jugs And Mugs	Application questions (involving multiplication and division)	

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							Fixing leaking taps-Importance of water. Application questions and mental math		
Sep-24	I	01-06		05	06	REVISION			
	II	09-14*		06	06	HALF YEARLY TEST			
	III	16- 21*	16- Milad-un-nabi	05	05	HALF YEARLY TESTS			
	IV	23-27		05	07	Ch-8 Carts And Wheels	Circles- circular objects around us , Using objects to draw circles Making circles with free hand Parts of a circle- radius, centre Finding centre of circles (drawn with compass and circle cut-outs), importance of centre	Games with circles-Dog and the bone. Forming a circle using rope on ground	
	V	30		01	01	Ch-8 Carts And Wheels	Using compass to draw circles.		
Oct-24	I	01-05*	02 Mahatma Gandhi Birthday	04	04	Ch-8 Carts And Wheels	Using compass to draw circles of given radius and marking its diameter	Making a 6-petal flower design using compass	
	II	07-09	12 Dussehra	02	02	Ch-9 Halves and Quarters	Concept of whole, half, quarter and three quarters.	Activity-Finding halves quarters, three-quarters using paper cut-outs (circle, square, rectangle)	
	*** Autumn Break 09 Oct- 13 Oct 2024 ***								
	II	14-19*	17- Valmiki Jayanti 20-Karwa chauth	05	07	Ch-9 Halves and Quarters	Shading half, quarter or three quarters of a region/collection Making the other half, quarters. Finding fraction (half, quarter and three-fourth) of a number		

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	III	21-25		05	07	Ch-9 Halves and Quarters	Half, quarter and three quarters of standard units of measurement (length, capacity, weight) Application questions	My meter string-half ,quarter and three-fourth of a meter
	IV	28-31	30-31- Diwali	02	02	Ch-9 Halves and Quarters	Finding three fourths when half and quarter are given. Application questions	
Nov-24	I	01-02	01- Diwali break 03- Bhai Dooj	00	00			
	II	04-09*		06	07	Ch-9 Halves and Quarters Ch-10 Play With Patterns	Making combinations (of weights in grams and quantity in ml) to get the required weight and capacity Observing patterns in surroundings. Making patterns with alphabets, number and shapes Magic patterns, magic triangles and number towers	Patterns in Block printing using shape cutouts
	III	11-15	15-Guru Nanak's Birthday	04	05	Ch-10 Play With Patterns	Patterns with addition Floor and tiling patterns (tessellating patterns)	Group Activity-Forming tessellating pattern using tessellation kit
	IV	18-22		05	07	Ch-10 Play With Patterns Ch-11 Tables and Shares	Coding –decoding (secret message) Understanding arrangements in an array (row x column) Building tables of bigger numbers by using two smaller tables	Jumping animals game
	V	25-30*	UT3 / MT-2 Class I-V	06	07	Ch-11 Tables and Shares	Division -2-digit number by 1 digit number Application questions	Activity- Making different arrangements for same number of kidney beans/pebbles

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Dec-24	I	01-07*	07-Sports day tentative	06	06	Ch-11 Tables and Shares	Division – 3- and 2-digit numbers by 2-digit numbers Application questions- interpreting quotient and remainder in relation to question	Activity-Making arrays with bindis
	II	09-13	UT3 / MT-2 Class I-V	05	06	Ch-11 Tables and Shares Ch-12 How Heavy? How Light?	Application questions Introduction to units of measurement of weight. Concept of heavier/lighter	Demonstration using beam balance, weights and objects (eraser, sharpener etc)
	III	16-21*	21-PTM UKG-V	05	07	Ch-12 How Heavy? How Light?	Using the correct unit Comparison of weights Measurement of weight- relation of units with each other Addition of weights	Hands on activity- Sensing 250g,500g and 1 kg weight
	IV	23-28*	24 -Christmas Eve 25 – Christmas	01	01	Ch-12 How Heavy? How Light?	Balancing weights	
*** Winter Break from 24 Dec 2024 to 05 Jan 2025 ***								
Jan-25	I	06-10		05	07	Ch-12 How Heavy? How Light?	Application questions (combination of weights) Application questions Estimating weight	Guess the weight of object activity
	II	13-18*		06	07	Ch-12 How Heavy? How Light? Ch-13 Fields and Fences	Application questions Boundary (Perimeter)- concept Finding boundary of square, rectangle and other shapes with straight edges (measure given).	Finding Perimeter of a table/napkin using an inch-tape
	III	20-25*		06	07	Ch-13 Fields and Fences	Finding boundary of shapes with curved sides using thread	Walk around the boundary of garden/basketball court

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							Application questions based on boundary Boundary of circle(circumference) Application questions	
	IV	27-31	26-Republic Day	05	07	Ch-13 Fields and Fences	Area –concept Finding area of figures (with straight edges and without straight edges) by counting squares	Finding area of tile using origami sheets
Feb-25	I	01		01	01	Ch-14 Smart Charts	Arranging data, Tables-Making and reading	
	II	03-07		05	07	Ch-14 Smart Charts	Tables- interpreting information, calculation Pictograph- making and interpretation Questions based on tables and pictograph	Group Activity- Making pictograph (Favorite toffee of class)
	III	10-14		05	07	Ch-14 Smart Charts	Circle chart (chapatti /Pie chart) Bar graph (strip chart)- interpretation Questions based on chapatti chart and bar graph	Demonstration using fraction kit- pie chart(whole, half, quarter)
	IV	17-21		05	07	REVISION WEEK	Revision	
	V	24-28	26-Maha shivratri	04			FINAL TESTS Class I-V	
Mar.25	I	01*		01				
	II	03-07		05			FINAL TESTS Class I-V	
	III	10-12	14-15 Holi	03			FINAL TESTS Class I-V	
	26- Open House UKG-V							

