

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

Class: IV

Sub: MATHEMATICS

Weekly Syllabus: Academic Session 2023-24

Names of books: MATH-MAGIC BOOK 4

Publisher: NCERT

Month	Week	Dates		Days	No of Periods	Chapter	Content	Activities
Apr-23	I	01*	01- Working Saturday	01	01	Ch -1 Building with Bricks	Wall pattern, jaali pattern	Observing wall pattern and jaali pattern in school building
	II	03-07	04- Mahavir Jayanti 07- Good Friday	03	04	Ch -1 Building with Bricks	Floor pattern, wall pattern, Jharokha, Jaali pattern and arch in buildings.	
	III	10-14	14-Ambedkar Jayanti	04	05	Ch -1 Building with Bricks	Concept of Faces and edges (brick) Recap of standard form and number names of numbers Addition and subtraction of numbers in thousands	Digit cards-formation of numbers(largest/smallest/odd/even)
	IV	17-21		05	07	Ch -1 Building with Bricks Ch-2 Long and Short	Application questions (based on brick cost and number Line- measurement, drawing lines of given length Distinguish between long, tall and short	Dodging tables
	V	24-29*	29- Working Saturday	05	07	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	

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May-23	I	01-05	05 –Budha Poornima	04	04	Ch-2 Long and Short	Conversion of km to m and vice-versa Application questions based on m and km.	Dodging tables Digit cards- addition/subtraction/multiplication of numbers.
						Ch-3 A Trip to Bhopal	Addition and subtraction of numbers.	
	II	08-12		05	07	Ch-3 A Trip to Bhopal	Application questions on mixed operations Estimation of numbers. Forming numbers using 3 digits. Finding unit price (division)	
	III	15-20*		05	07	Ch-3 A Trip to Bhopal	Sums and application questions based on multiplication, addition, division (by 10, 100 and divisors up to 35).	
***** SUMMER BREAK 22 MAY - 30 JUN 2023*****								
Jul-23	I	03-07	01- School opens for 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	Human clock-pick your hand (minute/hour) Activity-How many times in 1 minute? e.g., snap your finger, jump up and down, clap
	II	10-14	UT-1/ PT-1 For I-V	05	07	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.	
	III	17-22*		05	07	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.	

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							Converting time from 24 to 12-hour clock	
	IV	24-28	29- Muharram	05	07	Ch-5 The Way The World Looks	Views of objects-front, side view (of class from above, bowl, box) Directions and readings on route/ map. Dice- faces, top view, side view.	Activity-drawing side view and top view of an object
	V	31		01	01	Ch-6 The Junk Seller	Multiplication (2-digit number by 2-digit number)	
Aug-23	I	01-05*	06-Working sat	04	04	Ch-6 The Junk Seller	Multiplication (3 digit by 1 digit), Unitary method, Money (rate/cost) based problems	Ping-pong activity with numbers
	II	07-11		05	07	Ch-6 The Junk Seller	Bills-Reading and Understanding Calculating total Amount. Application questions	
	III	14-18	15-Independence day	04	05	Ch-6 The Junk Seller Ch-7 Jugs And Mugs	Word problems based on money. Capacity-Introduction. Measuring jars, cans and cups. Units of capacity-l, ml (liquids measured in ml and l). Estimation of quantity	
	IV	21-26*	26- working sat.	06	07	Ch-7 Jugs And Mugs	Relation between litres and milliliters Using addition and multiplication to make 1 litre Application questions based on Capacity (Addition of millilitres	Activity- making 1 litre orange juice (using 100ml,200ml ,250 ml, 500 ml jars)

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							/litres) Application questions (involving multiplication and division)	
	V	28-31	30-Raksha Bandhan	03	03	Ch-7 Jugs And Mugs	Fixing leaking taps-Importance of water. Application questions	
Sep-23	I	01		01	01	Ch-7 Jugs And Mugs	Application questions and mental math	
	II	04-08	05- Teachers' day 07- Janmashtami	04	04	REVISION		Half yearly / UT2 Tests Class I-V
	III	11- 16*	Half yearly Tests	05		HALF YEARLY TESTS		
	IV	18-23*	Half yearly Test	05		HALF YEARLY TEST		
	V	25-29	28- Mllad-un-Nabi	04	05	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)	
								Games with circles- Forming a circle using rope on ground
Oct-23	I	03-07*	02 Mahatma Gandhi Birkday	04	05	Ch-8 Carts And Wheels	Using compass to draw circles and make designs Using compass to draw circles of given radius and marking its diameter	Making a 6-petal flower design using compass

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	II	09-13		05	07	Ch-9 Halves and Quarters	Concept of whole, half, quarter and three quarters. Shading half, quarter or three quarters of a region/collection. Making the other half, quarters.	Activity-Finding halves quarters, three-quarters using paper cut-outs (circle, square, rectangle) Card game with fraction cards- making a whole
	III	16-20		05	07	Ch-9 Halves and Quarters	Half, quarter and three quarters of standard units of measurement (length, capacity) Application questions	
	*** Autumn Break 21 Oct– 24 Oct 2023 ***							
	IV	25-27 30-31	24- Dussehra 28- Valmiki Jayanti	05	07	Ch-9 Halves and Quarters	Half, quarter and three quarters of standard units of measurement (weight) Finding three fourths when half and quarter are given. Application questions	
Nov-23	I	01-04*	01-Karwa chauth	03	04	Ch-9 Halves and Quarters	Making combinations (of weights in grams and quantity in ml) to get the required weight and capacity.	
	II	06-10	07-Annual Day	02	03	Ch-10 Play With Patterns	Observing patterns in surroundings. Making patterns with alphabets, number and shapes Magic patterns, magic triangles and number towers	
	III	16-18*	11-15 Diwali break	03	03	Ch-10 Play With Patterns	Patterns with addition Floor and tiling patterns (tessellating patterns)	
	IV	20-24		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	Group Activity- Making different arrangements for same number of kidney beans/pebbles

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							using two smaller tables Division -2-digit number by 1 digit number	
	V	28-30	27-Guru Nanak's Birthday	03	03	Ch-11 Tables and Shares	Division – 3-digit number by 2 digit numbers Application questions	
Dec-23	I	01-02*		02	02	Ch-11 Tables and Shares (plan light work in this week)	Application questions continued	
	II	04-09	09 – Sports Day	05	06	Ch-11 Tables and Shares (plan light work in this week)	Division – 3- and 2-digit numbers by 2 digit numbers.	
	III	11-16*	UT3 / PT-2 Class I-V jr.wing	05	07	Ch-11 Tables and Shares Ch-12 How Heavy? How Light?	Application questions- interpreting quotient and remainder in relation to question Introduction to units of measurement of weight. Concept of heavier/lighter Comparison of weights	Demonstration using weights and objects (erase, sharpener etc)
	IV	18-22	UPT3 / PT-2 Class I-V contd. 24 -Christmas Eve 25 – Christmas	05	07	Ch-12 How Heavy? How Light?	Measurement of weight- relation of units with each other Addition of weights Using the correct unit	
*** Winter Break from 26 Dec 2023 to 06 Jan 2024 ***								
Jan-24	I	08-12		05	07	Ch-12 How Heavy? How Light?	Application questions (combination of weights) Balancing weights	Making a beam balance using hanger and using it for comparing weights of objects

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	II	15-20*		05	07	Ch-12 How Heavy? How Light? Ch-13 Fields and Fences	Application questions Estimating weight Boundary (Perimeter)- concept	Finding Perimeter of a table/napkin using an inch-tape
	III	22-27*	26-Republic Day	04	04	Ch-13 Fields and Fences	Finding boundary of square, rectangle and other shapes with straight edges (measure given). Finding boundary of shapes with curved sides using thread	
	IV	29-31		03	04	Ch-13 Fields and Fences	Application questions based on boundary of shapes/things seen around us (fields, playgrounds, handkerchief etc) Boundary of circle(circumference) Application questions	
Feb-24	I	01-03		03	04	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
	II	05-09		05	07	Ch-14 Smart Charts	Arranging data, Tables-Making and reading Tables- interpreting information, calculation Pictograph- making and interpretation Questions based on tables and pictograph	Activity- Making pictograph (Favorite toffee of class)
	III	12-16		05	07	Ch-14 Smart Charts	Pie chart (chapatti chart) Bar graph (strip chart)- interpretation Questions based on chapatti chart and bar graph	
	IV	19-23		05		REVISION WEEK		
	V	26-29		04		FINAL TESTS Class I-V		

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Mar.24	I	01-02*		01		FINAL TESTS Class I-V		
	II	04-07	08 Maha Shivratri	03		FINAL TESTS Class I-V		
	III	11-16*						
	24-25 Holi 29 Good Friday					28- Open House UKG-V		