

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

Class : V

Sub: Mathematics

Weekly Syllabus : Academic Session 2023-24

Course book: Math-Magic Book-5

Publisher: NCERT

Month	Week	Dates		Days	No of Periods	Chapter	Content	Activities
Apr-23	I	01*	01- Working Saturday	01			Introduction and interaction	Making different types of fish using geometrical shapes
	II	03-07	04- Mahavir Jayanti 07- Good Friday	03	3	Ch-1(The Fish Tale)	Large numbers, lakhs and crores, (Word form of numbers, writing numbers in figures)	List 2 things each that you have heard in lakhs and crores.
	III	10-14	14-Ambedkar Jayanti	04	5	Ch-1(The Fish Tale)	Sea-animals with various geometrical shapes, concept of Speed using boats, Quick multiplication techniques	Fun math with Number cards (0-9)
	IV	17-21		05	7	Ch-1(The Fish Tale)	Money management, bill making Handling money	Make a list of things that you will buy in Rs 500 and then categorize the items into-Needs and Wants
	V	24-29*	29- Working Saturday (Proficiency awards)	05	7	Ch-2 (Shapes and angles)	Open and closed shapes, Types of angles, acute/obtuse angles, angles in alphabets, names etc.	Observation: Look for Acute and Obtuse angles in objects around us
May-23	I	01-05	05 –Budha Poornima	04	5	Ch-2(Shapes and angles)	use of protractor, Angles in a clock, $\frac{1}{2}$ and $\frac{1}{3}$ of a right angle	Matchstick puzzles (to convert a given shape made with matchsticks into a different shape by moving few matchsticks)
	II	08-12		05	7	Ch-3 How many squares?	Perimeter & Area by counting squares Area of irregular shapes by counting squares, Area of triangles	
	III	15-20*		05	7	Ch-3 How many squares?	Tessellations	Tessellation Art activity

Month	Week	Dates		Days	No of Periods	Chapter	Content	Activities
***** SUMMER BREAK 22 MAY - 30 JUN 2023*****								
Jul-23	I	03-07	01- School opens for staff	05	7	Ch-4 Parts and Wholes	Fractional part of a whole ($\frac{1}{3}$, $\frac{1}{4}$, $\frac{1}{6}$ etc.)	Activity using paper strips representing fractions $\frac{1}{3}$, $\frac{1}{4}$, $\frac{1}{6}$, $\frac{1}{8}$
	II	10-14	UT-1/ PT-1 For I-V	05	7	Ch-4 Parts and Wholes	Equivalent fractions, parts of a strip, Completing the figure from a given part, Reading & making a bill,	
	III	17-22*		05	7	Ch-4 Parts and Wholes	- Reading & making a bill (contd.), calculating time, Tangram	Activity: 'Duration of time ' using children as the numbers of a clock
	IV	24-28	29- Muharram	05	7	Ch-5 Does it look the same?	Symmetrical & asymmetrical shapes, lines of symmetry, mirror images, $\frac{1}{4}$ and $\frac{1}{2}$ turns,	Making cards using Inkblot art
	V	31		01	1	Ch-5 Does it look the same?	Turning shapes, $\frac{1}{3}$	Origami paper- corner dot activity
Aug-23	I	01-05*	06-Working sat	04	4	Ch-5 Does it look the same? Ch-6 Be my Multiple, I'll be your Factor	Turning shapes (contd.) Multiples, common multiples	Group activity: Saying Bingo in place of multiple of a chosen number
	II	07-11		05	7	Ch-6 Be my Multiple, I'll be your Factor	LCM, Factors, common factors,	
	III	14-18	15-Independence day	04	5	Ch-6 Be my Multiple, I'll be your Factor	Factors, common factors(contd.), Factorization using Factor tree method, Application in real life	
	IV	21-26*	26- working sat.	06	7	Ch-7 Can you see the pattern?	Completing patterns, turning shapes at 45° and 90° in clockwise or anti-clockwise directions	Groups of students making patterns while standing in different positions
	V	28-31	30-Raksha Bandhan	03	3	Ch-7Can you see the pattern?	Magic squares, Palindrome numbers, Number patterns, Calendar magic	Calendar activity

Month	Week	Dates		Days	No of Periods	Chapter	Content	Activities
Sep-23	I	01		01	1	REVISION		
	II	04-08	05- Teachers' day 07- Janmashtami	04	3	REVISION		Half yearly / UT2 Tests Class I-V
	III	11- 16*	Half yearly Tests	05		HALF YEARLY TESTS		
	IV	18-23*	Half yearly Tests	05		HALF YEARLY TEST		
	V	25-29	28- Millad-un-Nabi	04	5	Ch-8 (Mapping Your Way)	Reading a map, Matching the map and the photo, locating different roads in a given map, observing different types of angles formed by various roads in a map, Scales in a map, Marking the route, Directions	
Oct-23	I	03-07*	02 Mahatma Gandhi Birthday	04	5	Ch-8 (Mapping Your Way) Ch-9 (Boxes and Sketches)	Directions, Measuring distances between towns, Reading A school Map Shapes for an Open Box	Enlarging or reducing a given picture in a square grid
	II	09-13		05	7	Ch-9 (Boxes and Sketches) Ch-10 (Tenths and Hundredths)	Floor Maps, Matchbox Play	Observing the shapes made by using matchboxes from different angles
	III	16-20		05	7	Ch-10 (Tenths and Hundredths)	Concept of tenths, Finding length using a ruler, Using concept of Tenths & Hundredths in conversion from mm into cm.	-Making different decimal numbers using paper strips representing 'tenths' and 'hundredths'
	*** Autumn Break 21 Oct– 24 Oct 2023 ***							
	IV	25-27 30-31	24- Dussehra 28- Valmiki Jayanti	05	7	Ch-10(Tenths and Hundredths)	Money (Calculating expenditure and Making a bill)	<u>How many hundredths?</u> Art integrated activity with grid of 100
Nov-23	I	01-04*	01-Karwa chauth	03	3	Ch-10(Tenths and Hundredths)	Multiplication of decimals by 10, 100, Money from different countries,	
	II	06-10	07-Annual Day	02	2	Ch-10(Tenths and	Measurement- Application in real life	

Month	Week	Dates		Days	No of Periods	Chapter	Content	Activities
						Hundredths)		
	III	16-18*	11-15 Diwali break	03	3	Ch-10(Tenths and Hundredths)	Temperature	
	IV	20-24		05	7	Ch-11(Area and its Boundary)	Area & Perimeter of a square/ rectangle, Comparing the area of things by using different objects like stamps etc.	'Whose belt is the longest' paper strip cutting and pasting activity
	V	28-30	27-Guru Nanak's Birthday	03	3	Ch-11(Area and its Boundary)	Application in real life, Finding area of a square using perimeter,	'Passing through a postcard'
Dec-23	I	01-02*		02	2	Ch-11(Area and its Boundary)	Comparison of sq m and sq km,	
	II	04-09	09 – Sports Day	05	7	(Ch-11(Area and its Boundary)	Calculating each side and perimeter of a square when area is given,	
	III	11-16*	UT3 / PT-2 Class I-V jr.wing	05	7	Ch-11(Area and its Boundary)	Calculating perimeter of irregular shapes using a thread, Relationship between Area & Perimeter	Thread activity to measure perimeter
	IV	18-22	UT3 / PT-2 Class I-V contd. 24 -Christmas Eve 25 – Christmas	05	7	Ch-12(Smart Charts)	Tally Marks –method, types, drawing and reading , Understanding pie charts (Circle graph)	
*** Winter Break from 26 Dec 2023 to 06 Jan 2024 ***								
Jan-24	I	08-12		05	7	Ch-12(Smart Charts)	Bar charts, Family tree, Growth chart of a plant (Line graph)	Activity: Using tally marks to count favourite vegetable/ colour/ holiday destination etc
	II	15-20*		05	7	Ch-13 (Ways to Multiply and Divide)	Different ways to multiply	Recording the temperature of any three cities on a particular day using a bar chart.
	III	22-27*	26-Republic Day	04	5	Ch-13 (Ways to Multiply and Divide)	Application in real life, Fun with multiplication	Counting the number of heart beats in a minute and then calculate in a week. Using number cards to multiply / divide as per

Month	Week	Dates		Days	No of Periods	Chapter	Content	Activities
								given challenge
	IV	29-31		03	3	Ch-13 (Ways to Multiply and Divide)	Division and its application, Relationship between multiplication & division	Activity: Finding answers of given multiplication & division sums in a given number grid
Feb-24	I	01-03		03	3	Ch-14(How Big? How Heavy?)	Estimating the Volume	Activity: Making a paper cube without glue
	II	05-09		05	7	Ch-14(How Big? How Heavy?)	Calculating volume using formula	Water displacement activity using several irregular objects
	III	12-16		05	7	Ch-14(How Big? How Heavy?)	Which pipe fills more? How Heavy am I?	-Matchbox activity -Making 4 different types of pipes to measure volume
	IV	19-23		05		REVISION WEEK		
	V	26-29		04		FINAL TESTS Class I-V		
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					