O. P. JINDAL SCHOOL, SAVITRINAGAR, TAMNAR

Annual Syllabus Break-up for the session 2023-2024

Subject : MATHEMATICS Class : V

Sl.	Month	No. of Instructional days	No. of periods	Chapters to be taught	Subject enrichment activities	Values to be imparted	Extra content to be taught
1	**April**	21	24	1. Place Value	➢ Formation of numbers by ABACUS and number blocks.	➢ Recognize the value of a digit based on its location within a number.	➢ Mental Maths
				2. The Four Operations	➢ A game to practice the four operations and to demonstrate the magic of 1089.	➢ It's important for children to become confident while using the four operations so that they can build on those basic skills in real life and in future maths lessons.	➢ Mental Maths
2.	**June**	11	13	2. The Four Operations (cont.)	➢ Fun Maths Games for basic operations. ➢ Using ABACUS students will understand the basic concepts like addition & subtraction.	➢ It's important for children to become confident while using the four operations so that they can build on those basic skills in real life and in future maths lessons.	➢ Mental Maths
3.	**July**	23	27	3. Multiples and Factors	➢ Activities such as Odd one out, also by using square-lined paper and colorful bindis.	➢ Factors & multiples are also commonly used in our everyday lives. We use factors when we want to arrange things in different ways. For example, arranging books in rows & columns, making groups of children in different ways etc.	➢ Mental Maths

				4. Fractions	➢ Activity using Pattern blocks, fraction strips/circles .	➢ A fraction is used for the representation of equal parts of a whole body. While performing our daily activities, we use fractions unknowingly in several ways. We might say things like "We're having dinner at a quarter past seven", or "we need 2/3 of a cup of sugar for the cake".	➢ Mental Maths
4.	**August**	23	27	5. Decimals	➢ Activities like decimal to fraction song, word-to-decimal notation game and using Arrow cards.	➢ We use decimals every day while dealing with money, weight, length etc. Decimal numbers are used in situations where more precision is required than the whole numbers can provide. For example, when we calculate our weight on the weighing machine, we do not always find the weight equal to a whole number on the scale.	➢ Mental Maths
				6. Symmetry, Patterns and Nets	➢ Check the symmetry by mirror and make patterns and symmetrical shapes by paper cutting and also by making 3 –D nets of the shapes.	➢ It will develop a sense of balance, order, and harmony	➢ Mental Maths
5.	**September**	12		**Revision & Term 1 (Half Yearly)**			
6.	**October**	20	23	7. Percentage	➢ By showing percentage animation videos, and activities such as dummy banking and shopping.	➢ Percentages are used widely and in many different areas. For example, discounts in shops, bank interest rates, rates of inflation and many statistics in the media are expressed as percentages. Percentages are important for understanding the financial aspects of everyday life.	➢ Mental Maths

				8. Measurement	➢ Check the length by measuring tape and estimate the mass of different objects.	➢ Practicing measurement in early age also nurtures critical thinking and problem-solving skills.	➢ Mental Maths
7.	**November**	13	15	8. Measurement (cont.)	➢ Check the length by measuring tape and estimate the mass of different objects.	➢ Practicing measurement in early age also nurtures critical thinking and problem-solving skills.	➢ Mental Maths
				9. Area and Volume	➢ By using 20 empty matchboxes and scale for volume and area with the squared sheet of paper.	➢ Learning area & volume will help students to know ways to calculate the size of an object, the inner space of an object in real life**.**	➢ Mental Maths
8.	**December**	19	22	9. Area and Volume (cont.)	➢ By using 20 empty matchboxes and scale for volume and area with the squared sheet of paper.	➢ Learning area & volume will help students to know ways to calculate the size of an object, the inner space of an object in real life**.**	➢ Mental Maths
				10. Geometry	➢ Creating 2-D shapes with a square sheet of paper and making geometric patterns with pattern blocks.	➢ Studying geometry provides the students with many foundational skills and helps them to build their logical thinking skills, deductive reasoning, analytical reasoning, and problem-solving skills. Thus, contributing to their holistic development.	➢ Mental Maths
				11. Time and Temperature	➢ Find out the time and temperature by dummy clock and dummy thermometer.	➢ In real-life students learn to see the time and measure the temperature using various units of time and temperature and get to know their importance.	➢ Mental Maths

9.	**January**	22	26	12. Money	➢ Use of dummy currency.	➢ Once children understand the importance of money they can make wise decisions relating to money matters in their prospective life.	➢ Mental Maths
				13. Data Handling	➢ Using tally tables, bar graphs etc.	➢ Through the study of data handling, the learner develops the skills to collect, organize, display, analyze and interpret any information.	➢ Mental Maths
				14. Map Study	➢ Various peer activities which includes maps, charts and globes.	➢ Masters of map reading use maps to gain better understanding of their environment, develop better mental maps, and ultimately make better decisions. Through successful map reading, a person's cartographic and mental maps will merge to tune the reader's spatial thinking to the reality of the environment.	➢ Mental Maths
				15. Algebra	➢ Various activities using algebra kit, charts and worksheets.	➢ The study of algebra helps in logical thinking and enables a person to break down a problem first and then find its solution.	➢ Mental Maths
10.	**February & March**			**Revision & Term2 (Annual Exam)**			

S.NO	EXAMINATION	SYLLABUS FOR EXAMINATION
1	Test-1	Ch- 1, 2
2	Term-1(Half Yearly Exam)	Ch- 1,2, 3, 4, 5, 6
3	Test-2	Ch- 7, 8
4	Term-2(Annual Exam)	Ch- 7, 8, 9, 10, 11, 12, 13, 14, 15