

O. P. JINDAL SCHOOL, SAVITRINAGAR, TAMNAR

Annual Syllabus Break-up for the session 2023-2024

Subject : MATHEMATICS

Class : VI

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. Knowing Our Numbers	➤ Formation of numbers by base blocks, ABACUS and paper strips.	➤ Anything that can be quantified can be improved.	➤ Mental Maths
				2. Whole Numbers	➤ Forming, and arranging whole numbers using number cards. Puzzles and games to estimate the whole numbers.	➤ In-depth understanding of numbers in day to day life.	➤ Mental Maths
2.	June	11	13	3. Playing with numbers	➤ Fun Math Games for classification of numbers and their properties like even, odd, multiples and factors.	➤ It enhances critical and logical thinking skills of students related to the numbers.	➤ Mental Maths
3.	July	23	27	4. Basic Geometrical Ideas	➤ By using smart board, charts and shapes, students can understand the various concepts of this chapter.	➤ Geometry teaches the ideas and knowledge that one must have in order to understand how patterns and shapes work. It helps in making your brain work in some of the most creative ways possible. By solving several problems based on geometry, not only students can understand and get a good grasp on patterns but at the same time get better at logical reasoning and math in general.	➤ Mental Maths

				5. Understanding Elementary Shapes	<ul style="list-style-type: none"> ➤ Activities to demonstrate angles, directions using clock, directions and different shapes. 	<ul style="list-style-type: none"> ➤ It enhances the directional sense and also improves their measuring ability in day to day life. 	<ul style="list-style-type: none"> ➤ Mental Maths
4.	August	23	27	6. Integers	<ul style="list-style-type: none"> ➤ Activities like Adding Integer Task Cards, play cards and number line. 	<ul style="list-style-type: none"> ➤ Integers help in computing the efficiency in positive or negative numbers in almost every field. Integers let us know the position where one is standing. 	<ul style="list-style-type: none"> ➤ Mental Maths
				7. Fractions	<ul style="list-style-type: none"> ➤ Activity using Pattern blocks, fraction strips/circles . 	<ul style="list-style-type: none"> ➤ 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 $\frac{2}{3}$ of a cup of sugar for the cake”. 	<ul style="list-style-type: none"> ➤ Mental Maths
5.	September	12		Revision & Term 1 (Half Yearly)			
6.	October	20	23	8. Decimals	<ul style="list-style-type: none"> ➤ Activities like decimal to fraction song, word-to-decimal notation game and using Arrow cards. 	<ul style="list-style-type: none"> ➤ 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. Also students understand the financial aspects of everyday life. 	<ul style="list-style-type: none"> ➤ Mental Maths

				9. Data Handling	<ul style="list-style-type: none"> ➤ Using tally tables, bar graphs etc. 	<ul style="list-style-type: none"> ➤ Through the study of data handling, the learner develops the skills to collect, organize, display, analyze and interpret any information. 	<ul style="list-style-type: none"> ➤ Mental Maths
7.	November	13	15	10. Mensuration	<ul style="list-style-type: none"> ➤ Activities using tangrams, closed doodles etc to understand the concept. 	<ul style="list-style-type: none"> ➤ Learning perimeter, area & volume will help students to know ways to calculate the size of an object, the inner space of an object, the length of the fence etc. in real life. 	<ul style="list-style-type: none"> ➤ Mental Maths
				13. Symmetry	<ul style="list-style-type: none"> ➤ Check the symmetry by mirror and make patterns and symmetrical shapes by paper cutting and also by making 3-D nets of the shapes. 	<ul style="list-style-type: none"> ➤ It will develop a sense of balance, order, and harmony 	<ul style="list-style-type: none"> ➤ Mental Maths
8.	December	19	22	11. Algebra	<ul style="list-style-type: none"> ➤ Various activities using algebra kit, charts and worksheets. 	<ul style="list-style-type: none"> ➤ The study of algebra helps in logical thinking and enables a person to break down a problem first and then find its solution 	<ul style="list-style-type: none"> ➤ Mental Maths
9.	January	22	26	12. Ratio & Proportion	<ul style="list-style-type: none"> ➤ By doing activities like cutting cakes or pies in ratio and proportion and by showing animated videos. 	<ul style="list-style-type: none"> ➤ In our daily life, we use the concept of ratio and proportion such as in business while dealing with money or while cooking any dish, etc. Students can recognize and apply ratios and proportions to solve real-life problems. 	<ul style="list-style-type: none"> ➤ Mental Maths

				14. Practical Geometry	➤ Using geometry kit, smart board, task cards etc.	➤ Students will be able to construct angles of various measurements which they can inculcate in their day to day life.	➤ Mental Maths
10.	February & March	15		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, 7
3	Test-2	Ch- 8, 9
4	Term-2(Annual Exam)	Ch- 7, 8, 9, 10, 11, 12, 13, 14