| KENDRIYA VIDYALAYA SANGATHAN: CHENNAI REGION |  |  |  |  |  |  |
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| CLASS VI MATHEMATICS SPLIT - UP SYLLABUS (2021-22) |  |  |  |  |  |  |
| MONTH | $\begin{aligned} & \text { CHAPTER/ } \\ & \text { No. OF PERIODS } \end{aligned}$ | TOPIC TO BE COVERED | LEARNING OBJECTIVES | LEARNING OUTCOMES | ACTIVITES / PRACTICALS | DELETED TOPICS |
| Aprlimav |  |  |  |  | 1. To frame 3 digit, 4 digit or 5 digit numbers from the given flash cards and select and compare them. <br> numbers. 3. (ACTIVITY4) - <br> https://ncert.nic.in/pdf/publication/sciencelaboratorymanuals/classltoVII 1/mathematics/ahelm103.pdf | 1.4 Using Brackels |
| Junejulv | 2. Whole numbers....Contd | 24.4 Proeries of Whole Numbers | 1. To evolve properties of whole numbers like closure, commutative, associative, distributive, additive \& multiplicative identity. |  |  | 2.5 Patems in Whole Numb |
|  | 3. PLAYING WITH NUMBERS (15 PERIODS) | 3.1 Introduction <br> 3.2 Factors and Multiples <br> 3.3 Prime and Composite Numbers 3.4 Tests for Divisibility Of Number 3.7 Prime Factorisation | 1. To observe patterns that lead to disibility by $2,3,4,5,6,8$, $9,10 \& 11$ 2. to visualise the factors and multiples of a number, similarity and differences. 3. To understand the concept and use of LCM \& HCF of numbers. 4. Applies prime factorisation to find HCF \& LCM of numbers. |  | 1. To find the HCF of two given numbers. 2. To find LCM of two given numbers. 3. (ACTIVITY5) - https://ncert.nic.in/pdt/publication/sciencelaboratorymanuals/classltoVII l/mathematics/ahelm103.pdf | 3.6 Some More Oissisiliy Pues |
| PERIODIC TEST- 1 |  |  |  |  |  |  |
| august | 3.PLAYING WIH NUMBERS......Contd | 3.8 Highest Common Factor 3.9 Lowest Common Miltiple 3.10 Some Problems on HCF \& LCM |  |  |  |  |
|  | 4.BASIC GEOMETRICAL IDEAS (8 PERIODS) | 4.1 Introduction 4.2 Points 4.3 Line Segment 4.4 A line 4.5 Intersecting lines 4.6 Parallel lines 4.7 Ray 4.8 Curves 4.9 Polygons 4.10 Angles 4.11 Triangles 4.12 Quadrilaterals 4.13 Circles |  |  | 1. To collect pictures from surroundings/environment representing ray, paralle lines,intersecting lines <br> 2. To make different types of polygons using colour paper.Identifying the shapes and pasting them in the notebook by writing their names. 3. (ACTIVITY24) 3. (ACTVITY24) <br> 1/mathematics/ahelm103.pdf |  |
| septemer | 5. UNDERSTANDING ELEMENTARY SHAPES (15 PERIODS) |  | 1. To understand the measuring techniques and measures accordingly. 2. To understand the elementary shapes and defines them. 3. To classify angles based on the amount of rotation. 4. Link plane shapes to solid shapes,or 2D to 3D. 5. To classify given set of triangles based on their angles and sides. 6. To classify the given set of quadrilaterals based on their properties. 7. To identify and draw various polygons. 8. To discuss the various aspects of a 3D object like edges, vertices and faces. | 1. Demonstrates an understanding of angles by Classifying angles according to their measure. 2. Estimating the measure of angles using $45^{\circ}$, $90^{\circ}$, and $180^{\circ}$ as reference angles. 3. Classifies triangles into different groups/types on the basis of their angles and sides. For example -scalene, isosceles or equilateral on the basis of sides, etc. 4. Classifies quadrilaterals into different groups/ types on the basis of their sides/ angles. 5. Identifies various (3-D) objects like sphere, cube, cuboid, cylinder, cone from the surroundings. 6. Describes and provides examples of edges, vertices and faces of 3-D objects | 1. To make a parallelogram, rectangle, square and trapezium using set square 2. (ACTIVITY22) - <br> https://ncert.nic.in/pdt/publication/sciencelaboratorymanuals/classltoVII <br> 1/mathematics/ahelm103.pdf <br> 3. To form different angles and measure them. <br> https://ncertnic in <br> 1/mathematics/ahelm103.pdf |  |
| octoeer | (tivegerns | 6.1 Introduction 6.2 Integers 6.3 Addition of Integers 6.4 Subtraction of Integers |  | 1. Solves problem involving addition and subtraction of integers |  |  |
|  | $\underset{\substack{\text { 7. FRACTIONS } \\ \text { (15 PERIIOS) }}}{ }$ |  |  | 1. Uses fractions in different situations which involve money, length, weight etc. For example, $71 / 2$ metres of cloth, distance between two places is 112.5 km etc. two places is 112.5 km etc. |  |  |
|  | PERIODIC TEST-II/ HALF- YEARLY EXAMIINATION |  |  |  |  |  |
| november | 7. FRactions..... Contd | 7.7 Simplest Form of a Fraction 7.8 Like Fraction 7.9 Comparing Fraction 7.10 Addition \& Subtraction of Fractions | 1. To be able to simplify the given fraction to its simplest form 2. To identify different types of tractions. <br> fractions. | 1. Solves problems on daily life situations involving addition and subtraction of fractions. | 1. To understand various fractions and their various comparisons 2. (ACTIVITY2) - https://ncert.nic.in/pdf/school- <br> 3. To find the _up_math.pd <br> 3. To find the sum of fractions with different denominators. 4. (ACTIVITY9) <br> 1/mathematics/ahelm103.pdf |  |
|  | 8. DECIMALS (10 PERIODS) | 8.1 Introduction 8.2 Representing Decimals on a Number line 8.3 Hundreths 8.4 Comparing decimals 8.5 Using Decimals 8.6 Addition of Decimals 8.7 Subtraction of Decimals |  |  |  |  |
| DECEmesr | $\begin{aligned} & \text { 9. DATA HANDLING } \\ & \text { (6 PERIODS) } \end{aligned}$ | 9.1 Introduction 9.2 Recording Data 9.3 Organising Data 9.7 Bar graph |  | 1. Arranges given/collected information such as expenditure on different items in a family in the last six months, in the form of table and bar graph and interprets them interprets them. |  | 9.5 Interpretation of Pictographs 9.6 Drawing a Pictograph |
|  | 10. MENSURATION (10 PERIODS) | $\left\lvert\, \begin{array}{\|l\|l\|} \hline 10.1 \text { Intoduction } \\ \text { 10.2 } 2 \text { enimeter } \\ \text { 10. Area } \end{array}\right.$ |  | 1. Finds out the perimeter and area of rectangular objects in the surroundings like floor room, surfaces of a chalk box etc. | $\frac{\text { I. (ACIIVITYI7)- }}{\text { https://ncert.nic.in/pdt/publication/sciencelaboratorymanuals/classItoVII }}$ <br> $\frac{\text { l/mathematics/ahelm103.pdf }}{\text { 2. To obtain the formula for area of a rectangle. }}$ <br> $\frac{\text { 3. (ACTIVITY24) - }}{\text { https://ncert.nic.in/pdf/publication/sciencelaboratorymanuals/classItoVII }}$ <br> $\frac{\text { l/mathematics/ahelm103.pdf }}{}$ |  |
| Janvary | (11. Algeba |  |  | $\begin{aligned} & \text { 1. Uses variable with different operations to } \\ & \text { generalise a given situation. } \\ & \text { For example, Perimeter of a rectangle with sides } x \\ & \text { units and } 3 \text { units is } 2(x+3) \text { units. } \end{aligned}$ | 1. Making different Matchstik Patterns of various alphabets to arrive at a general formula |  |
|  | 12. RATIO AND PROPORTION (6 PERIODS) | 12.1 Introduction 12.2 Ratio 12.3 Proportion 12.4 Unitary Method | 1. To understand the meaning and importance of ratio and proportion. <br> Comparing the quantities and computing using appropriate <br> 3. To understand and apply unitary method to solve problems. | 1. Compares quantities using ratios in different situations. For example the ratio of girls to boys in a particular class in $3: 2$. 2. Uses unitary method in solving various word problems. For example, if the cost of a dozen notebooks is given she finds the cost of 7 notebooks by first finding the cost of 1 notebook. |  |  |
|  | PERIODIC TEST -III |  |  |  |  |  |
| ferruary | 13. SYMMETRY (4 PERIODS) |  |  |  | 1. Idenitiving and drawing lines of symmety o diflterent plane figues. | 13.6 Releacioon and Symmery |
|  | 14. PRACTICAL GEOMETRY (6 PERIODS) | 14.1 Introduction 14.2 The Circle 14.5 Angles-Constructing $60^{\circ} \& 120^{\circ}$ |  | 1. Constructing simple special angles like $60^{\circ}$ and 120. |  |  |
| March | REVISTON |  |  |  |  |  |

