BOKARO PUBLIC SCHOOL

Sector - III/C, Bokaro Steel City

SYLLABUS

Class: -VII

Session: 2023-24

Subject: - Math

Sl.No.	Month	Working Day	Chapters	Activity
1.	April	18	➢ **Chapter: -1. INTEGERS.** • To understand addition of subtraction of integers & their properties. • To multiply integers. • To learn properties of multiplication of integers. • To divide integers. • About properties of division of integers. • Real life problems. **Chapter: - 2. FRACTION.** • To know about main concepts of fractions of their addition & subtraction. • To multiply Fractions by whole numbers of Fraction. • To divide Fraction, by whole numbers & Fraction • Real life problems.	• **To make integer board & show the integers.** • **Write the all properties of integers on chart paper.** • **To make fraction board & show types of fractions.**
2.	May	04	➢ **Chapter: - 3. DECIMALS.** • To know about the main concepts of decimals of their addition & subtraction. • To multiply decimals by whole numbers of decimals to clivide chemicals by whole numbers of decimals • Real life problems."	• **To make a rounding wheel for decimals.**
3.	June	14	➢ **Chapter: -5. POWER & EXPONENTS.** • To understand powers & exponents of vocational numbers. • To learn various laws of exponents. • To Know about scientific notations.	• **Write the all formulas of exponents on chart.**

4.	July	21	➢ **Chapter: - 6. ALGEBRAIC EXPRESSIONS:** • To understand algebra of generalising the pattern • • To define & frame algebraic Expression. • To define & identify literals valuables. • To define & find coefficients, teams, constant teams' factors in an algebraic expression, • To differentiate like & unlike tamis. • To define & Identify types of algebraic expression • To Evaluate the algebraic expression ➢ **Chapter: - 9. LINES & ANGLES.** • To draw of understand about special angus. • To draw & find angus on a straight line & angles on a point. • To duan & find angles formed by a transversal intersecting two lines. • To learn about the properties of angles formed by a transversal intersecting two parallel lines. ➢ **Chapter: - 10. TRIANGLES & IT'S PROPERTIES.** • To learn about various triangles. • To draw & understand types of triangles angle on a Straight line & angles on a point. • To know & learn about the properties of triangles. To know about the mean & altitude of a triangle	• **To show the number pattern with constant difference by the geometrical pattern.** • **Paste the match stick on a chart board & explain types of line & types of angles.** • **Cut the colourful paper & paste it on chart & explain all types of triangles.**
5.	August	21	➢ **Chapter: - 8. COMPARING QUANTITIES.** • To learn about ratio & Its properties • To know about proportion of learn its use in solving daily life problems. • To conceptualise of unitary method. • To understand % & its applications in real life. • To find profit & Loss in a transaction & Leaven related team. • To find the simple interest & its application in real life. ➢ **Chapter: -14. SYMMETRY.** • To know the shapes having, reflection symmetry + line of symmetry. • To draw Shapes having rotational symmetry. • To identify angles or order of rotational symmetry. • To draw & identify shapes having both reflection & rotational symmetry.	• **To explore comparing quantities on chart.** • **Exploring symmetry with shapes.** • **Cut the piece of paper into two equal parts & show the symmetry reflection.**

6.	September	18	• <u>**Revision And Examination**</u>.	
7.	October	17	➢ **Chapter: - 4. RATIONAL NUMBER.** • To understand positive & negative rational number • To represent rational numbers. on number line. • To find equivalent rational number line. • To compare of order rational numbers. • To find the rational numbers between two rational numbers. • To identify I find the absolute value of rational number. • The addition, subtraction multiplication & division. • To Convent rational number into decimal numbers • To differentiate between terminating & non terminating. ➢ **Chapter: -LINEAR EOUATIONS** • To know the moots of an equation & verify those root various methods to solve linear Equations *Trial 4 Error method. *Systematic Method. *Transposition Method. Real life application	• **Make a chart for rational number & explain the properties of rational number.**
8.	November	14	➢ **Chapter: -11. CONGRUENCE OF TRIANGLE** • To know about the congruency of figures, like line segment, angle circle, square & triangle. • To know about Congruency of triangle. • To understand of apply the four conditions forte triangles to be congruent. **Chapter: -15 VISUALISING SOLID SHAPES** • To visualise solid shapes • To draw shapes having rotational symmetry. • To draw nets of solid shapes. • To draw understand oblique sketching & isometric sketching of solid shapes	• **Cut the thermal & paste it on the cardboard & explain all the congruence rules of triangle.** • **To create the model for 3D shapes.**

			on a plane surface. • To know the marking around space • To understand different views of solid shapes	
9.	December	20	➢ **Chapter: - CONSTRUCTIONS.** • To construct parallel lines. 20 • To construct triangle when different dimension is given. ➢ **Chapter: 13 PERIMETER & AREA** • To find the perimeter I area of rectangle, square, triangle. & parallelogram. • To find the area between two rectangles. • To find the circumference & area of a circle • To find the area between two concentric. circles	**Make a chart of all the 2D figure which are in your chapter by writing the formular of area & perimeter**
10.	January	<u>20</u>	➢ **Chapter: - 16 DATA HANDLING** • To understand date of its types. • To know the organization of data & frequency distribution table. • To find mean, median & mode of an organized data. • To straw & understand Single & double bar graph • To understand probability & various terms associated with it, dike experiment, chance, events outcomes etc	**Go to all the classes of the school & collect some data & show the pictograph & bar graph.** **Plot a model of bar graph for any data with the help of card boatel & there mooch**
11	February	20	• **Revision.**	

Prescribed Book   :

Other Prescribed Book   :

Date of submission: …………………………………………..