

BAGARIA BAL VIDYA NIKETAN

LAXMANGARH-SIKAR

SYLLABUS & LESSON PLANNER-2025-26

Class:-	VIII
Subject:-	MATHEMATICS
Teacher Name:-	VIRENDRA KUMAR SONI

SYLLABUS

Ch.No	Name of Chapter	working day	Period	Topic	Month	Week
CH 1	RATIONAL NUMBERS	23	30	CH 1 Introduction, Properties of Rational Numbers, Representation of Rational Numbers on the Number Line, Rational Number between Two Rational Numbers, Word Problems	April	1
						2
						3
CH 2	LINEAR EQUATIONS IN ONE VARIABLES			CH 2 Introduction, Solving Equations which have Linear Expressions on one Side and Numbers on the other Side, Some Applications, Solving Equations having the Variable on both sides, Some More Applications, Reducing Equations to Simpler Form, Equations Reducible to the Linear Form		4
CH 3	UNDERSTANDING QUADRILATERALS	13	17	CH 3 Introduction, Polygons, Sum of the Measures of the Exterior Angles of a Polygon, Kinds of Quadrilaterals, Some Special Parallelograms	May	1
						2

CH 4	DATA HANDLING	11	14	CH 4 Looking for Information, Organising Data, Grouping Data, Circle Graph or Pie Chart, Chance and Probability	June	1
						2
CH 5	SQUARES AND SQUARE ROOTS	27	36	CH 5 Introduction, Properties of Square Numbers, Some More Interesting Patterns, Finding the Square of a Number, Square Roots, Square Roots of Decimals, Estimating Square Root	July	1
CH 6	CUBES AND CUBE ROOTS					2
				CH 6 Introduction, Cubes, Cubes Roots		3
						4
CH 7	COMPARING QUANTITIES	24	32	CH 7 Recalling Ratios and Percentages, Finding the Increase and Decrease Percent, Finding Discounts, Prices Related to Buying and Selling (Profit and Loss), Sales Tax/Value Added Tax/Goods and Services Tax, Compound Interest, Deducing a Formula for Compound Interest, Rate Compounded Annually or Half Yearly (Semi Annually), Applications of Compound Interest Formula	August	1
CH 8	ALGEBRAIC EXPRESSIONS AND IDENTITIES					2
				CH 8 What are Expressions?, Terms, Factors and Coefficients, Monomials, Binomials and Polynomials, Like and Unlike Terms, Addition and Subtraction of Algebraic Expressions, Multiplication of Algebraic Expressions: Introduction, Multiplying a Monomial by a Monomial, Multiplying a Monomial by a Polynomial, Multiplying a Polynomial by a Polynomial, What is an Identity?, Standard Identities, Applying Identities		3
						4
CH 9	MENSURATION	22	29	CH 9 Introduction, Let us Recall, Area of Trapezium, Area of General Quadrilateral, Area of Polygons, Solid Shapes, Surface Area of Cube, Cuboid and Cylinder, Volume of Cube, Cuboid and Cylinder, Volume and Capacity	September	1
						2
						3

						4
Syllabus Break due to Exam Period and Holidays in the month of October						
CH 10	EXPONENTS AND POWERS	24	30	CH 10 Introduction, Powers with Negative Exponents, Laws of Exponents, Use of Exponents to Express Small Numbers in Standard Form	November	1
CH 11	DIRECT AND INVERSE PROPORTIONS					CH 11 Introduction, Direct Proportion, Inverse Proportion
				3		
				4		
CH 12	FACTORISATION	21	28	CH 12 Introduction, What is Factorisation?, Division of Algebraic Expressions, Division of Algebraic Expressions Continued (Polynomial / Polynomial), Can you Find the Error?	December	1
CH 13	INTRODUCTION TO GRAPHS					CH 13 Introduction, Linear Graphs, Some Applications
				3		
				4		

