

BLOOM PUBLIC SCHOOL C-8 Vasant Kunj, New Delhi Syllabus for the Session 2023-24

Class: VIII

Subject: Maths

	SYLLABUS	
MONTH	CHAPTER (NCERT Text book)	CONTENT
APRIL	<u>Ch-1:</u> Rational Numbers	 All 4 Properties of R.N's with 4 - operations. Representation of RN's on the number line.
	<u>Ch- 2</u> :Linear Equations In One Variables.	 Solving Linear Equations. Solving Linear Equations with variables on both sides. Application Based questions on linear Equations.
MAY	<u>Ch-3</u> : Understanding Quadrilaterals.	 Angle Sum Property. Sum Of the measures of Interior and exterior angles. Properties of Trapezium, Rhombus,Parallelogram,Square. Rectangle.

JULY	<u>Ch-4</u> - Data handling	Construction of Bar Graphs, Histograms, Pie Charts. Probability
	CH- 5: Squares and Square roots.	 Perfect and not perfect squares. Square of a number. Pythagorean Triples. Finding square roots by prime factorisation and division method.
AUGUST	CH- 7: Comparing Quantities	 Ratios Proportions. Increase and decrease Percent Discounts Sales tax/ VAT/GST. Profit and Loss. Compound Interest. Rate compounded
SEPTEMBER		Revision for Term – I Examination

OCTOBER	<u>Ch-8</u> : Algebraic Equations and Identities.	 Addition and Subtraction Of Algebraic expressions. Multiplication Of Monomials, Trinomials and Polynomials. Applying the standard Identities (I) (II) (III) to solve the Problems.
	<u>CH- 12</u> : Factorisation	 Factors of natural numbers. Factors of algebraic expressions. Method of common factors Factorisation by regrouping terms Factorisation using identities. Factors of the form (x + a) (x + b). Division of Algebraic Expressions. Division of Algebraic Expressions Continued (Polynomial ÷ Polynomial)
NOVEMBER	CH- 10: Powers and Exponents	 Powers with Negative Exponents. Laws of Exponents. Use of Exponents to Express Small Numbers in Standard Form
DECEMBER	CH-9: Mensurations	 Area Of Square, Rectangle, Circle, Semicircle. Area Of Special quadrilaterals, Trapezium, Rhombus. Area of Solid Shapes-Cube, cuboid and Cylinder, Surface area and Total Surface area of Cube, Cuboid and Cylinder. Volume of Cube, cuboid and Cylinder,

JANUARY	CH- 11 : Inverse And Direct Proportion	 Direct Proportion and its application based problems. Inverse Proportion and its application based problems. 		
FEBRUARY	REVISION	WORKSHEETS		
MARCH		Revision for Term – II Examination		
	CH- 13 - INTRODUCTION TO GRAPHS	 A Bar graph A Pie graph (or a circle-graph) A histogram A line graph Linear Graphs. Location of a point Coordinates. Application based problems like The relation between dependent variable and independent variable is shown through a graph. 		
	CH-6: Cubes and Cube roots. (DELETED)	 Perfect cubes. Cube roots by factorisation method 		

Assessment Schedule Term - 1 & Term - II

 <u>Ch-1:</u> Rational Numbers. <u>Ch-2</u>: Linear Equations In One Variables. <u>Ch-3</u>: Understanding Quadrilaterals. <u>Ch-4</u> - Data handling <u>CH-5</u>: Squares and Square roots. <u>CH-7</u>: Comparing Quantities 	• <u>Ch- 2</u> :Linear Equations In One	Variables. • Ch- 3: Understanding Quadrilaterals. • Ch-4 - Data handling • CH- 5: Squares and Square roots.
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 PA - II: Ch- 8: Algebraic Equations and Identities. CH- 12: Factorisation CH- 10 Powers and Exponents 	TERM II (FINAL)- ASSESSMENT • Ch-1: Rational Numbers. • Ch-2: Linear Equations In One Variables. • Ch-3: Understanding Quadrilaterals. • CH-7: Comparing Quantities • Ch-8: Algebraic Equations and		
	 <u>Ch- 8</u>: Algebraic Equations and Identities. <u>CH-9</u>: Mensurations. <u>CH- 10</u> Powers and Exponents <u>CH- 11</u>: Inverse and Direct Proportion. <u>CH- 12</u>: Factorisation 		