



Subject: Mathematics

TERM-1 SYLLABUS		
MONTH	CHAPTERS (NCERT TEXT BOOK)	CONTENT
April	BRIDGE COURSE	<ul style="list-style-type: none"> ● INTEGERS ● MENSURATIONS ● ALGEBRA ● RATIO AND PROPORTION ● PRACTICAL GEOMETRY, ● FRACTIONS ● DECIMALS
May	<p><u>CH-1:</u> Integers</p> <p><u>CH-2:</u> Fractions and Decimals.</p>	<ul style="list-style-type: none"> ● Revision of concepts of integers ● Properties related to Addition and Subtraction of integers ● Multiplication of integers and the related properties ● Division of integers and the related properties ● Types of fractions ● Addition and subtraction of fractions ● Multiplication and division of fractions ● Multiplication and division of decimals

July	<u>CH-2: Fractions and Decimals.</u>	<ul style="list-style-type: none"> • Types of fractions • Addition and subtraction of fractions • Multiplication and division of fractions • Multiplication and division of decimals
	<u>CH-3: Data Handling</u>	<ul style="list-style-type: none"> • Mean , Range • Median , Mode • Bar Graphs • Chance and Probability
August	<u>CH-4: Simple Equations</u>	<ul style="list-style-type: none"> • Formation of equations • Solving of equations using balancing and transpose methods • Practical implementation
	<u>CH-6: Triangles and Its Properties</u>	<ul style="list-style-type: none"> • Median, altitude • Properties of triangles • Isosceles and equilateral triangle
September	<u>CH-6 : Triangles and Its Properties</u>	<ul style="list-style-type: none"> • Median, altitude • Properties of triangles • Isosceles and equilateral triangle
ASSESSMENT SYLLABUS		
PERIODIC ASSESSMENT -1		<ul style="list-style-type: none"> • Ch-1 Integers • Ch-2 Fractions and Decimals

TERM -I EXAM	<ul style="list-style-type: none"> ● Ch-1 Integers ● Ch-2 Fractions and Decimals ● Ch-3 Data Handling ● Ch-4 Simple Equations ● Ch-6 Triangles and Its Properties
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TERM-2 SYLLABUS		
MONTH	CHAPTERS (NCERT TEXT BOOK)	CONTENT
October	<u>CH-8:</u> Comparing Quantities	<ul style="list-style-type: none"> ● Equivalent ratios ● Percentage ● Buying and Selling ● Simple Interest
	<u>CH-9:</u> Rational Numbers	<ul style="list-style-type: none"> ● Explanation of rational numbers and the need ● Rational numbers on a number line; comparison and finding a no. between two rational numbers. ● Operations on rational numbers
November	<u>CH-9:</u> Rational Numbers	<ul style="list-style-type: none"> ● Explanation of rational numbers and the need ● Rational numbers on a number line; comparison and finding a no. between two rational numbers ● Operations on rational numbers.

	<u>CH-11: Perimeter and Area</u>	<ul style="list-style-type: none"> ● Introduction ● Squares, Rectangles, Parallelogram, Circle, Triangle ● Conversion of units ● Applications
December	<u>CH-12: Algebraic Expressions</u> <u>CH-13 :Exponents and Powers</u>	<ul style="list-style-type: none"> ● Introduction to the Expressions. ● Terms of an Expression ● Like and Unlike Terms ● Monomials, Binomials, Trinomials and Polynomials ● Addition and Subtraction of Algebraic Expressions ● Finding the Value of an Expression ● Using Algebraic Expressions – Formulas and Rules ● Exponents ● Laws of Exponents ● Miscellaneous Examples Using the Laws of Exponents ● Decimal Number System ● Expressing Large numbers in the Standard Form.
January	<u>CH-14: Symmetry</u>	<ul style="list-style-type: none"> ● Lines of Symmetry for Regular polygons
February	WORKSHEETS	<ul style="list-style-type: none"> ● WORKSHEETS
March	TERM-II EXAMS	
ASSESSMENT SYLLABUS		
PERIODIC ASSESSMENT -2		<ul style="list-style-type: none"> ● Ch-8 Comparing Quantities ● Ch-9 Rational Numbers

TERM-II	<ul style="list-style-type: none"> ● Ch-8 Comparing Quantities ● Ch-9 Rational Numbers ● Ch-11 Perimeter and Area ● Ch-12 Algebraic Expressions ● Ch-13 Exponents and Powers ● Ch-14: Symmetry