

First Term Curriculum Subject- Mathematics Class –VIII Session – 2025-26

Month	APRIL	MAY	JUNE	JULY
Concepts	Ch-1 Rational Numbers	Ch-2 Squares and Square Roots(Contd.)	Ch-4 Exponents(Contd.)	Ch-5 Algebraic Expressions
	Square Roots	Cube Roots Ch-4 Exponents	numbers	Ch-6 Linear equation in one variables
Learning Outcomes	 Students will be able To generalize the properties of arithmetic operations of rational numbers. To represent rational numbers on the number line. To calculate as many rational numbers as possible between two given rational numbers. To Explain the properties of a perfect square. To find Pythagorean triplets. 	 Students will be able To find the square root of a number. To explain the properties of a perfect cubes. To find the cube root of a perfect cube. To explain the laws of exponents for rational numbers. To find the expanded and standard form of numbers. 	 Students will be able To express very small numbers in standard form. To explain the divisibility of numbers. 	 Students will be able To express types of expressions and terms. To add, subtract, multiply and divide algebraic expressions. To factorize algebraic expressions. To apply the general rule for finding the solution of a linear equation. To solve and apply linear equations. To find solutions of equations.
Skills	Logical and Analytical Thinking/Numeracy and Computational Skills	Logical and Analytical Thinking/Numeracy and Computational Skills/Academic and Life Skills	Logical and Analytical Thinking/Numeracy and Computational Skills/Personal Development	Logical and Analytical Thinking/Numeracy and Computational Skills
Activities	Competency-skills based activity/ Experiential learning activity : • Flash Cards Activity • Newspaper Activity	Competency-skills based activity/ Experiential learning activity : • Cube Quest Activity • Standard Form Activity	Competency-skills based activity/ Experiential learning activity : • Math Magic	Competency-skills based activity/ Experiential learning activity : • Verification of algebraic Identities. • Flash Cards
Art Integration	English, Science, Info	ormation Literacy, Social Stud	ly and Art	

Assessments	• Pen - Paper Test			
	Quiz/Questionnaire			
	Notebook Maintenance			
	• CW/HW Assignment			
	Main Book: Cambridge Maths Milestone Publisher: Cambridge University Press (Enhanced Edition)			



Final Term Curriculum Session – 2025-26 Subject- Mathematics

Class –VIII

Month	AUCUST	SEDTEMDED		NOVEMBED	DECEMBED/
	AUGUSI	SETIENIBER	UCIUBER	NUVENIBER	JANUARY
Concepts	Ch-7 Understanding Shapes Ch-15 3D visualisation	Ch-16 Construction ofQuadrilateralsCh-8 Perimeter and Area of Plane figures	Ch-8 Perimeter and Area of Plane figures (Contd.)Ch-9 Surface Areas and Volumes	Ch-10 Comparing Quantities Ch-11 Direct and Inverse Proportions	Ch-12 Data handling Ch-13 Graphs
Learning Outcomes	 Students will be able To Explain angle sum property for polygons. To Explain the properties of quadrilaterals. To Explain polyhedrons and types of polyhedrons. To apply Euler's formula. 	 Students will be able To construct different types of quadrilaterals. To find the area and perimeter of basic Shapes. To find the area and perimeter of a trapezium and a rhombus. 	 Students will be able To find the area and perimeter quadrilaterals. To find the area of polygons. To find the surface area and volume of a cube and cuboid. To find the surface area and volume of a cylinder. 	 Students will be able To recapitulate ratio and percentage. To Explain profit, loss and discount percentage. To Explain VAT and GST. To apply formulae for simple and compound interest. To learn about direct and inverse proportion. To solve word problems. 	 Students will be able To learn aboutFrequency distribution of grouped and ungrouped data. To draw and read histograms and pie charts. To learn about Probability. To Explain coordinates of a point.
Skills	Logical and Analytical Thinking/Numera cy and Computational Skills/Spatial and Visual Understanding/Ac ademic and Life Skills	Logical and Analytical Thinking/Numeracy and Computational Skills/Spatial and Visual Understanding/Academ ic and Life Skills/Personal Development	Logical and Analytical Thinking/Numeracy and Computational Skills/Spatial and Visual Understanding/Academ ic and Life Skills/Personal Development	Logical and Analytical Thinking/Numeracy and Computational Skills/Academic and Life Skills/Personal Development	Logical and Analytical Thinking/Numeracy and Computational Skills/Spatial and Visual Understanding/Acade mic and Life Skills/Personal Development
Activities	Competency-skills based activity/ Experiential learning activity : • Angle sum property • Polyhedron Pursuit	Competency-skills based activity/ Experiential learning activity : • Constructions • Room Renovation Math	Competency-skills based activity/ Experiential learning activity : • 3D Shapes Exploration.	Competency-skills based activity/ Experiential learning activity : • Festival Frenzy • Socio – Economic Data Analysis.	Competency-skills based activity/ Experiential learning activity : • Pie Chart Exploration • House Price Trend.

Art	English, Science, Social Study, Economics, Financial Literacy, Astronomy and Art			
Integration				
Assossments	Dan Danar Tast			
Assessments	• Ten - Laper Test			
	Quiz/Questionnaire			
	• Cw/Hw Assignment			
	Notebook Maintenance			
	Main Book: Cambridge Maths Milestone			
	Publisher: Cambridge University Press (Enhanced Edition)			