

First Term Curriculum Subject- Mathematics Class –VII Session :2025-26

Month	APRIL	MAY	JUNE	JULY
Concepts	Ch-1 Integers Ch-2 Fractions and Decimals	Ch-2 Fractions and Decimals (Contd.) Ch-3 Rational Numbers	Ch-4 Exponents Ch-5 Algebraic expressions	Ch-6 Linear expression in one variable
Learning Outcomes	 Students will be able To define Integers and its representation on the number line. To apply mathematical operators on integer number systems. To Explain the properties of integers under four operations. To apply the concept of integers in daily life context. To multiply and divide fractions. To solve word problems involving mixed fractions 	 Students will be able To Explain decimals and their expanded notations. To perform four operations on decimal numbers. To Explain the properties of rational numbers. To compare rational numbers. To perform four operations on rational numbers. To solve word problems. 	 Students will be able To Explain and apply the laws of exponents. To Explain the standard form of numbers. To express different types of algebraic expressions. To add and subtract algebraic expressions. To find the value of algebraic expressions. 	 Students will be able To frame equations in one variable. To convert a statement to an equation and vice-versa. To construct and solve an equation.
Skills Activities	Logical and Analytical Thinking/Numeracy and Computational Skills Competency-skills based activity/ Experiential learning activity : • Temperature Trek Activity	Logical and Analytical Thinking/Numeracy and Computational Skills Competency-skills based activity/ Experiential learning activity : • Fuel Price Frenzy Activity. • Observation Challenge Activity	Logical and Analytical Thinking/Numeracy and Computational Skills/Academic and Life Skills Competency-skills based activity/ Experiential learning activity : • Counting Crowds Activity • Pattern Activity	Logical and Analytical Thinking/Numeracy and Computational Skills/Academic and Life Skills/Personal Development Competency-skills based activity/ Experiential learning activity : • Linear equation Scavenger Activity
Art Integration	English, Science, Socia	I Studies, Information Literac	cy, 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 Subject- Mathematics Class –VII Session : 2025-26

Month	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER/JANUARY
Concepts	Ch-7 Lines and angles Ch-8 Triangles	Ch-8 Triangles (Contd.) Ch-14 Congruence of triangles	Ch-9 Symmetry Ch-10 3 D Visualization Ch-11 Perimeter and area	Ch-11 Perimeter and area(Contd.) Ch-12 Comparing Quantities.	Ch-15 Construction Ch-13 Data handling and probability
Learning Outcomes	 Students will be able To Explain the types of lines and angles. To find relationshi ps between angles. To Explain the altitude and median of a triangle. 	 Students will be able To apply angle sum property (both interior and exterior) of a triangle. To Explain and apply Pythagoras theorem. To Explain congruence of triangles under the criteria (SSS, SAS, ASA, RHS, AAS). To find the perimeter and area of congruent figures. 	 Students will be able To find lines of symmetry in regular polygons. To Explain rotational symmetry. To find vertices ,edges and faces and nets of 3D shapes. To draw and visualize solid shapes. To find the perimeter and area of a square, rectangle, triangle and a parallelogram. 	 Students will be able To find the area of path, semicircle and between concentric circles. To recall ratio, proportion and unitary method. To convert fraction numbers and decimals to percentage and vice-versa. To Explain profit or loss and Simple Interest. 	 Students will be able To visualize 3 D objects. To construct Parallel lines. To construct angles under congruence criteria. To organize data. To find range ,mean, mode and median. To draw bar graphs and double bar graphs. To find the probability of given numbers.
Skills	Logical and Analytical Thinking/Num eracy and Computational Skills/Spatial and Visual Understanding/ Academic and Life Skills	Logical and Analytical Thinking/Numeracy and Computational Skills/Spatial and Visual Understanding/Academi c and Life Skills	Logical and Analytical Thinking/Numeracy and Computational Skills/Spatial and Visual Understanding/Acade mic and Life Skills/Personal Development	Logical and Analytical Thinking/Numerac y and Computational Skills/Spatial and Visual Understanding/Aca demic and Life Skills/Personal Development	Logical and Analytical Thinking/Spatial and Visual Understanding/Academic and Life Skills/Personal Development

Activities	Competency-s	Competency-skills	Competency-skill	Competency-ski	Competency-skills	
	kills based	based activity/	s based activity/	IIs based	based activity/	
	activity/ Experiential	Activity:	Experiential	Experiential	Activity	
	learning			learning Activity		
	Activity :			:		
	 Alphabet Activity 	 Folded Heights Activity Crossword Puzzle 	 Monument Activity Shadow Activity 	 Paving back Courtyard Activity Population Trek Activity 	 Melodic Geometry Geometry Co-Curricular Bar Graph Activity 	
Art	English, Sciene	ce, Social Studies, Mus	ic and Art			
Integration						
Assessments	● Pen - paper T	est				
	• Quiz/Questionnaire					
	Notebook Maintenance					
	• CW/HW Assignment					
	•					
	Main Book: Cambridge Maths Milestone					
	Publisher: Cambridge University Press (Enhanced Edition)					