Cambridge International School, Mohal, Kullu
Class –VIII
Subject- Mathematics
First Term Curriculum
Session – 2020-21

	FEBRAURY/MARCH	APRIL	MAY	JUNE
Concepts	• Rational Numbers • Linear equation in One Variable • Exponents and Powers	• Exponents and Powers(contd.) • Visualising Solid Shapes • Data Handling • Algebraic Expressions and Identities	• Algebraic Expressions and Identities(contd.) • Squares and Square Roots • Cubes and Cube Roots	• Cubes and Cube Roots(contd.) • Comparing Quantities
Learning Outcomes	• Generalise properties of arithmetic operation • Find out as many rational numbers as possible between two given rational numbers ACTIVITY: ➢ **Group Activity: (Number Line)** • Understand and applies concept related to variable, expressions, equations and identities etc. • Solve equation problems related to real life situations ACTIVITY: ➢ **Chain Formation** • Understand laws of exponents	• Solves problems with integral exponents • **ACTIVITY: Card Activity** • Represents 3D shapes on a flat surface • Verifies Euler's relation through shapes • **ACTIVITY: Lab Activity** • Make hypothesis on chances of future events on the basis of its earlier occurrences or available data s • Solves algebraic expressions	• Solves puzzles and daily life problems using variables • Uses various algebraic identities in solving problems ➢ **ACTIVITY: Paper Cutting** • Finds squares, cubes, square roots and cube roots of numbers using different methods	• Explore patterns in square numbers, square roots, cubes and cube roots of numbers and form the rules ACTIVITY: ➢ **Bingo** • Understand and applies the concept of per cent and loss situation in finding discount, VAT and Compound interest ACTIVITY: ➢ **Group Activity (Role Play)**
Assessment	• Pen - paper Test • Quiz/Questionnaire • Notebook Maintenance • CW/HW Assignment **(Main Book: NCERT)**			

Cambridge International School, Mohal, Kullu
Class - VIII
Subject- Mathematics
Final Term Curriculum
Session – 2020-21

	JULY/AUGUST	SEPTEMBER	OCTOBER	NOVEMBER
Concepts	• Direct and Inverse Proportions • Mensuration	• Factorisation • Understanding Quadrilaterals	• Practical Geometry • Introduction to Graphs	• Data Handling

Learning Outcomes	• Solves problems based on direct and inverse problems based on daily life situations
	
	•
	
	• **ACTIVITY:**
	  Group Activity
	  (Deductive Activity)
	
	• Estimates the area of polygon like trapezium using square grid/graph sheet and verifies using formulas
	• Finds the area of a polygon
	• Finds surface area and volume of cuboidal and cylindrical objects
	
	ACTIVITIY:
	• **Shapes Illustration**
		• Solving factorization of algebraic expressions using relevant activities
		
		• **ACTIVITIY:**
		  Grid Paper
		
		• Solves problem related to angles of a quadrilaterals using angle sum property
		• Verifies properties of parallelograms and establishes the relationship between them
		
		ACTIVITY:
		➢ **Jig- Saw puzzle**
			• Construct different quadrilaterals using compass and straight edges
			
			• **ACTIVITY:**
			Construction practice
			
			• Draws and interprets the linear graphs
			  • **ACTIVITY:**
			    Project
				• Draws and interprets bar charts and pie charts
				
				• **ACTIVITY:**
				  Survey, Project

Assessment	• Pen - paper Test • Quiz/Questionnaire • CW/HW Assignment • Notebook Maintenance **(Main Book: NCERT)**			