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

	FEB	MARCH	APRIL	MAY	JUNE
Chapter	Ch. 1 Numbers Systems	Ch.2 Polynomials Ch.3 Coordinate Geometry Ch. 4 Linear Equations in two variables	Ch. 4 Linear Equations in two variables (Contd.) Ch. 5 Introduction to Euclid's Geometry	Ch. 6 Lines and Angels Ch. 7 Triangles	Ch. 7 Triangles (contd.) Ch.8 Quadrilaterals
Content	• Introduction • Irrational Numbers • Real Numbers and their Decimal Expansions • Representing Real Numbers on the Number Line • Operations on Real Numbers • Laws of Exponents for Real Numbers • Summary	• Introduction • Polynomials in one variables • Zeroes of a polynomial • Remainder Theorem • Factorisation of Polynomials • Algebraic Identities • Summary • Introduction • Cartesian System • Plotting a point in the plane if its coordinates are given • Summary • Introduction • Linear Equations • Solution of a • Linear Equation • Graph of a Linear Equation in Two Variables	• Equations of Lines Parallel to X-axis and Y-axis • Summary • Introduction • Euclid's Definitions, Axioms and Postulates • Equivalent Versions of Euclid's Fifth Postulate • Summary	Introduction • Basic terms and Definitions • Intersecting lines and Non - intersecting Lines • Pairs of angels • Parallel Lines and a Transversal Lines Parallel to the same line Angle Sum Property of a Triangle • Introduction • Congruence of Triangles • Criteria of Congruence of Triangles	• Some properties of triangle • Some more criteria of triangles • Inequalities in a triangle • Summary • Introduction • Angles Sum property of a Quadrilaterals • Properties of a Parallelogram • Another Condition for a Quadrilateral to be a Parallelogram • The Mid –point Theorem • Summary
Assessment	• Pen - paper Test • Notebook Maintenance • CW/HW Assignment • Lab Activity/Project				

	JULY/AUGUST	SEPTEMBER	OCTOBER	NOVEMBER
Chapter	Ch. 9 Areas of Parallelograms and triangles Ch. 10 Circles	Ch.11 Constructions Ch.12 Heron's Formula	Ch.13 Surface area and Volume	Ch. 14 Statistics Ch.15 Probability
Content	• Introduction • Figure on the same Base and between the same Parallels • Parallelograms and Triangles on the same Base and between the same Parallels • Summary • Introduction • Circles and its Related Terms • Angles Subtended by a Chord and an Arc • Perpendicular from the Centre to a Chord • Circle through Three Points • Equal Chords and their distance from the centre • Cyclic Quadrilaterals • Summary	• Introduction • Basic Constructions • Some Constructions of triangles • Summary • Introduction • Area of a triangle by Hero's Formula • Application of Heron's Formula in finding Area of Quadrilaterals • Summary	• Introduction • Surface Area of a Cuboid and a Cube • Surface Area of a Right Circular Cylinder • Surface Area of a Right Circular Cone • Introduction • Figure on the same Base and between the same Parallels • Parallelograms and Triangles on the same base and between the same Parallels • Summary • Surface Area of a Sphere • Volume of a Cuboid • Volume of a Cylinder • Volume of a Right Circular Cone • Volume of a Sphere • Summary	• Introduction • Collection of data • Presentation of data • Graphical Representation of data • Measures of Central Tendency • Summary • Introduction • Probability –an Experimental Approach • Summary.
Assessment	• Pen - paper Test • CW/HW Assignment • Notebook Maintenance • Lab Activity/Project			