

Cambridge International School, Mohal, Kullu
Curriculum, 2021-22
Mathematics-VIII
First Term Curriculum

	FEBRAURY/MARCH	APRIL	MAY	JUNE
Concepts	<ul style="list-style-type: none"> Rational Numbers Linear equation in One Variable Understanding Quadrilaterals 	<ul style="list-style-type: none"> Understanding Quadrilaterals(contd.) Practical Geometry Data Handling 	<ul style="list-style-type: none"> Data Handling(contd.) Squares and Square Roots Cubes and Cube Roots 	<ul style="list-style-type: none"> Cubes and Cube Roots(contd.) Comparing Quantities
Learning Outcomes	<ul style="list-style-type: none"> Generalise properties of arithmetic operation Find out as many rational numbers as possible between two given rational numbers <p>ACTIVITY:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Group Activity: (Number Line) <ul style="list-style-type: none"> Understand and apply concepts related to variables, expressions, equations and identities etc. Solve equation problems related to real life situations <p>ACTIVITY:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Chain Formation <ul style="list-style-type: none"> Solves problem related to angles of a quadrilaterals using angle sum property 	<ul style="list-style-type: none"> Verifies properties of parallelograms and establishes the relationship between them <p>ACTIVITY:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Jig- Saw puzzle <ul style="list-style-type: none"> Construct different quadrilaterals using compass and straight edges <p>ACTIVITY:</p> <p>Construction practice</p> <ul style="list-style-type: none"> Draws and interprets bar charts and pie charts 	<ul style="list-style-type: none"> Make hypothesis on chances of future events on the basis of its earlier occurrences or available data <p>ACTIVITY:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Survey, Project <ul style="list-style-type: none"> Finds squares, cubes, square roots and cube roots of numbers using different methods 	<ul style="list-style-type: none"> Explore patterns in square numbers, square roots, cubes and cube roots of numbers and form the rules <p>ACTIVITY:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Bingo <ul style="list-style-type: none"> Understand and applies the concept of per cent and loss situation in finding discount, VAT and Compound interest <p>ACTIVITY:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Group Activity (Role Play)
Assessments	<ul style="list-style-type: none"> Pen - paper Test Quiz/Questionnaire Notebook Maintenance CW/HW Assignment <p>(Main Book: NCERT)</p>			

Final Term Curriculum

	JULY/AUGUST	SEPTEMBER	OCTOBER	NOVEMBER
C o n c e p t s	<ul style="list-style-type: none"> Algebraic Expressions and Identities Visualising Solid Shapes Mensuration 	<ul style="list-style-type: none"> Mensuration(contd.) Exponents and Powers Direct and Inverse Proportions 	<ul style="list-style-type: none"> Direct and Inverse Proportions(contd.) Factorisation Introduction to Graphs 	<ul style="list-style-type: none"> Introduction to Graphs(contd.) Playing with Numbers
L e a r n i n g O b j e c t i v e s	<ul style="list-style-type: none"> Solves puzzles and daily life problems using variables Solves algebraic expressions Uses various algebraic identities in solving problems <p><input type="checkbox"/> ACTIVITY: Paper Cutting</p> <ul style="list-style-type: none"> Represents 3D shapes on a flat surface Verifies Euler's relation through shapes <p><input type="checkbox"/> ACTIVITY: Lab Activity</p> <ul style="list-style-type: none"> Estimates the area of polygon like trapezium using square grid/graph sheet and verifies using formulas Finds the area of a polygon 	<ul style="list-style-type: none"> Finds surface area and volume of cuboidal and cylindrical objects <p>ACTIVITY:</p> <p><input type="checkbox"/> Shapes Illustration</p> <ul style="list-style-type: none"> Solves problems with integral exponents <p><input type="checkbox"/> ACTIVITY: Card Activity</p>	<p>Solves problems based on direct and inverse problems based on daily life situations</p> <p><input type="checkbox"/> ACTIVITY: Group Activity (Deductive Activity)</p> <ul style="list-style-type: none"> Solving factorization of algebraic expressions using relevant activities <p><input type="checkbox"/> ACTIVITY: Grid Paper</p>	<ul style="list-style-type: none"> Draws and interprets the linear graphs <p><input type="checkbox"/> ACTIVITY: Project</p> <ul style="list-style-type: none"> Prepares interesting number patterns using arithmetic operations Proves Test of divisibility <p><input type="checkbox"/> ACTIVITY: Magic Squares</p>
A s s e s s m e n t	<ul style="list-style-type: none"> Pen - paper Test Quiz/Questionnaire CW/HW Assignment Notebook Maintenance <p>(Main Book: NCERT)</p>			