Cambridge INTERNATIONAL SCHOOL KULLU

First Term Curriculum
Subject: Mathematics
Class: VI
Session: 2024-25

Month	APRIL	MAY	JUNE	JULY
Concepts	**Ch-1** Knowing Our Numbers **Ch-2** Playing with numbers	**Ch-2** Playing with numbers **(Contd.)** **Ch-3** Whole numbers **Ch-4** Integers	**Ch-4** Integers **(Contd.)** **Ch-5** Fractions	**Ch-6** Decimals **Ch-15** Data Handling
Learning Outcomes	**Students will be able** ● To recall Indian and International systems of numeration. ● To compare and estimate numbers. ● To read and write Roman numerals. ● To learn about the BODMAS Rule. ● To find multiples and factors. ● To apply the rules of divisibility.	**Students will be able** ● To find HCF and LCM of the given number pairs. ● To understand the properties of whole numbers. ● To understand patterns in whole numbers. ● To understand integers and ordering of integers.	**Students will be able** ● To perform the arithmetic operations with (addition and subtraction) integers. ● To represent fractions on the number line. ● To classify the fractions. ● To compare and reduce fractions to their lowest term. ● To add and subtract fractions.	**Students will be able** ● To represent decimals on the number line. ● To compare decimals. ● To add and subtract decimals. ● To organize data using tally marks.
Skills	Understanding/ Knowledge/ Application	Understanding/ Knowledge/ Application/ Analysis/ Synthesis/ Creativity	Understanding/ Knowledge/ Application/ Analysis/ Synthesis/ Creativity	Understanding/ Knowledge/ Application/ Analysis/ Synthesis/ Evaluation
Activities	**Competency-skills based activity/ Experiential learning activity**: ● Guess the Card(Roman Numerals)	**Competency-skills based activity/ Experiential learning activity**: ● Paper Cutting and Pasting(HCF) ● Verifying the Commutative property	**Competency-skills based activity/ Experiential learning activity:** ● Verifying the addition and subtraction of integers ● Fraction Kit (Jodo Gyan)	**Competency-skills based activity/ Experiential learning activity:** ● Verifying the arithmetic operations with decimals(Grid Paper) ● Survey(Hobbies of classmates)
Art Integration	**English, Social Science, and Art**			
Assessments	● Quiz/Questionnaire ● C.W./ H.W./ Assignments ● Pen - Paper Test ● Notebook maintenance **Main Book: 'I Did It' Mathematics** **Publisher: Cambridge University Press (Revised Edition)**			

Final Term Curriculum
Session: 2024-25
Subject: Mathematics
Class: VI

Month	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
Concepts	**Ch-7** Introduction to Algebra	**Ch-8** Algebraic Equations **Ch-9** Basic Geometrical Ideas	**Ch-10** Understanding Elementary Shapes (2D and 3D) **Ch-13** Perimeter and Area	**Ch-13** Perimeter and Area **(Contd.)** **Ch-14** Comparing Quantities	**Ch.11** Symmetry **Ch.12** Constructions
Learning Outcomes	**Students will be able** ● To understand algebraic terms. ● To express common rules of geometry and arithmetic using variables.	**Students will be able** ● To solve algebraic equations. ● To recall the concept of Point, Ray, Line and Line segment. ● To understand the concept of polygons and angles. ● To understand the properties of Triangle and Quadrilaterals. ● To identify different parts of a circle.	**Students will be able** ● To measure and compare line segments. ● To measure angles and types of angles. ● To classify quadrilaterals and polygons. ● To identify 3D shapes**.** ● To find the perimeter of a square, a rectangle and a triangle.	**Students will be able** ● To find the areas of regular and irregular figures. ● To solve ratio and proportion. ● To solve sums using the unitary method.	**Students will be able** ● To classify figures based on the lines of symmetry. ● To find symmetry in English alphabets and geometrical figures. ● To recall geometric tools and their uses. ● To construct line segments, circles and angles. ● To construct bisectors and perpendiculars.
Skills	Understanding/ Knowledge/ Application/ Analysis/ Synthesis/ Evaluation	Understanding/ Knowledge/ Application/ Analysis/ Synthesis/ Evaluation/ Creativity	Understanding/ Knowledge/ Application/ Analysis/ Synthesis/ Evaluation	Understanding/ Knowledge/ Application/ Analysis/ Synthesis/ Evaluation	Understanding/ Knowledge/ Application/ Analysis/ Synthesis/ Evaluation
Activities	**Competency-skills based activity/ Experiential learning activity:** ● Patterns Activity(Using Strips)	**Competency-skills based activity/ Experiential learning activity**: ● Crossword Puzzle	**Competency-skills based activity/ Experiential learning activity:** ● Identifying types of angles(Paper Folding)	**Competency-skills based activity/ Experiential learning activity**: ● Tangram (Perimeter of different shapes ● Colouful Block Activity (Ratio)	**Competency-skills based activity/ Experiential learning activity:** ● Making Symmetric Figures(Paint Activity
Art Integration	**English, Social Science and Art**				
Assessments	● Quiz/Questionnaire ● C.W./ H.W./ Assignments ● Pen - Paper Test ● Notebook maintenance **Main Book: 'I Did It' Mathematics** **Publisher: Cambridge University Press (Revised Edition)**				