

Curriculum, 2021-22
Mathematics-V
First Term Curriculum

FEB/MARCH	APRIL	MAY	JUNE	
<p>Ch. 1 Large Numbers</p> <p>Ch. 2 Addition and Subtraction</p>	<p>Ch. 3 Multiplication and division of large number</p> <p>Ch.4 Factors and multiples</p>	<p>Ch. 5HCF and LCM</p> <p>Ch. 6 Fractions</p>	<p>Ch.7 Decimals</p> <p>Ch.8 Percentage</p>	
<p>Students will be able</p> <ul style="list-style-type: none"> To read, write and compare 7, 8, 9 digit numbers in Indian and international system of numeration. To read and write roman numerals <p>Activity:</p> <ul style="list-style-type: none"> Flash cards (Students were asked to arrange flash cards in Indian and International system) <p>Students will be able</p> <ul style="list-style-type: none"> To performs addition and subtraction on numbers beyond 1000 by understanding of place value of numbers. 	<p>Students will be able</p> <ul style="list-style-type: none"> To apply multiplication and division techniques for 4,5,6- digit numbers. <p>Activity:</p> <ul style="list-style-type: none"> Fill the blanks with digits. (Students were asked to fill the blanks with digits from 0 to 9 such that the number is exactly divisible by 5. Activity was in Collins Maths book) <p>Students will be able</p> <ul style="list-style-type: none"> To apply the rule of divisible of 2,3,5,6,9 and 10. To express numbers as a product of their primes by the prime factorisation method. <p>Link:</p> <ul style="list-style-type: none"> https://youtu.be/0IZyGB1qQmM https://youtu.be/rUrLuTMq-sw <p>Activity:</p> <ul style="list-style-type: none"> Factor tree activity. (Students were asked to factorise a number whose factors fill the tree exactly. Activity was in Collins Maths Book) 	<p>Students will be able</p> <ul style="list-style-type: none"> To find the Highest common factor (HCF) and the lowest common multiple (LCM) of the given pairs of numbers. <p>Link:</p> <ul style="list-style-type: none"> https://youtu.be/uwUqzeHth6s <p>Students will be able</p> <ul style="list-style-type: none"> To apply arithmetic operations on fractions To find out reciprocal of whole numbers, fractions and special numbers. <p>Link:</p> <ul style="list-style-type: none"> https://youtu.be/cgRq5yBp6sU 	<ul style="list-style-type: none"> Convert fractions into decimals and vice versa. Apply arithmetic operations on decimals. <p>Link:</p> <ul style="list-style-type: none"> https://youtu.be/2kj7n0KvVzw <p>Activity: Decoding (Students will be asked to use the letters in the brackets and decode the message. Activity is in Collins Maths Book.)</p> <ul style="list-style-type: none"> Convert fractions and decimals to percentage and vice versa. Find the percentage of a given quantity. <p>Link:</p> <ul style="list-style-type: none"> https://youtu.be/VOru89KJhiY <p>Activity:</p> <ul style="list-style-type: none"> Percentage of students in class. 	<p>Assessment</p> <ul style="list-style-type: none"> Pen - paper Test(Google doc) Quiz/Questionnaire Notebook Maintenance online Assignment
<p>Activity:</p>				
<ul style="list-style-type: none"> Mental maths activity (Students were asked to solve flow chart given in Collins Maths book) 				

Final Term Curriculum

	JULY/AUGUST	SEPTEMBER	OCTOBER	NOVEMBER
	<p>Ch.9Measurement</p> <p>Ch.10 Time</p>	<p>Ch.11 Average</p> <p>Ch. 12Profit and loss ,unitary method</p>	<p>Ch. 13 Geometry</p> <p>Ch.14 Area and perimeter</p>	<p>Ch.15 Volume and nets</p> <p>Ch.16 Data handling Symmetry and mapping</p>
	<p>Students will be able</p> <ul style="list-style-type: none"> To express length, mass, capacity in different units of measurement To find out the basic operations on measurement and solve word problems. <p>Link: https://youtu.be/_7IKiBOEcwA</p> <p>Activity:</p> <ul style="list-style-type: none"> ☐ Measure your height (Students will be asked to find the relation between the arm span and the height of the body.Measure family members arm span and height .Observe the values and then discuss in class) <p>Students will be able to</p> <ul style="list-style-type: none"> To convert one unit of time into another. To apply addition and subtraction of time Find the time duration <p>Activity:</p> <ul style="list-style-type: none"> ☐ Maths mental activity <p>(Students will be asked the study of revolution and period of rotation of the planets. Activity is in Collins Math Book.)</p>	<p>Students will be able</p> <ul style="list-style-type: none"> To find out the average of fractions. To solve word problems on average. <p>Activity:</p> <ul style="list-style-type: none"> ☐ Daily life activity <p>(Students will be asked to collect data from day to day life e.g. temperature from Monday to Sunday)</p> <p>Students will be able</p> <ul style="list-style-type: none"> To find out cost price, selling price and profit and loss To find out the profit or selling percentage. To solves problems using unitary method <p>Activity:</p> <ul style="list-style-type: none"> ☐ Individual mental math activity <p>(Students will be asked to collect prices of their various daily things and then find profit and loss. Observe the values and discuss in class.)</p>	<p>Students will be able</p> <ul style="list-style-type: none"> To classifies angles into right angle, acute angle, obtuse angle and represent the same by drawing and tracing. To relates different angles in real life. To identifies different parts of circle. <p>Link: https://youtu.be/KO_p_MkXMJM</p> <p>Students will be able</p> <ul style="list-style-type: none"> To finds the perimeter and area of a rectangle and square. To finds the area of a triangle To classifies different units of area. <p>Activity:</p> <ul style="list-style-type: none"> ☐ Measure your maths book and notebook 	<p>Students will be able</p> <ul style="list-style-type: none"> To find the volume of a cube and cuboid. Makes cube, cuboids on isometric dot paper. Link: https://youtu.be/A10Ci-YzD_w <p>Activity:</p> <ul style="list-style-type: none"> ☐ Isometric paper activity Students will be asked to draw a cube and a cuboid in isometric dot paper. <p>Students will be able</p> <ul style="list-style-type: none"> To collects data related to various daily life situation, represent it in tabular form, circle grap, line graphs and interprets it. To identify 2 D shapes from the environment that has rotation and reflection symmetry like alphabet and shapes. To identify the direction in maps using different directions <p>Activity:</p> <p align="center">Project</p> <p>(Students will be asked to make project of chapter symmetry and data handling. For symmetry : Find symmetry in flowers, fruits and other parts of plants. In feather of birds. In art and architecture.)</p>