

GOOD WORD PUBLIC SCHOOL
ANNUAL CURRICULUM 2020-2021

GRADE : V

SUBJECT : MATHEMATICS

Month/ No. of periods	Topic	Learning Objectives	Activity	Learning outcomes	Assessment
June – 24 Periods	1. Numbers to 1,00,00,000 10,000,000	<p>The students will be able to,</p> <ul style="list-style-type: none"> • Count by 1,00,000 • Through with Indian and International system • Compare and Order • Learn Roman Numerals 	Say the similarities and differences with the Indian number system.	<ul style="list-style-type: none"> • Count by 10 lakhs • Write in expanded form in International system • Compare the numbers • Write the numbers as roman numerals 	Write the numbers in ascending order.
	2. Factors, Multiples	<p>The students will be able to,</p> <ul style="list-style-type: none"> • Know divisibility test of 2, 3, 5, 6, 9 • Understand 	Using beads or chocolates find L.C.M	<ul style="list-style-type: none"> • Do the divisibility test • Find the L.C.M • Find the H.C.F 	Through the activity

		<p>Least Common Multiple</p> <ul style="list-style-type: none"> • Understand Highest common factors 			
	<p>3. Multiplying and Dividing, 4-digits by 2-digits</p>	<p>The students will understand,</p> <ul style="list-style-type: none"> • Multiplying 4 – digits by 1-digit using column method • Dividing 3 – digits and 4 – digit numbers by multiples of 10 and 2 digit number 	<p>Using Flash Cards select 4 digits and multiply by 2 digit</p>	<ul style="list-style-type: none"> • Multiply 4 – digits by 1 – digit and 2 - digit. • Divide 4 – digit by 2 digit 	<p>Worksheet</p>

July – 24 periods	4. Operations (Numbers up to 1,00,000)	The students will be able to, <ul style="list-style-type: none"> • Solve story problems • Add and subtract • Multiply and Divide 	Flash cards: Select a card and solve the real life story problems	<ul style="list-style-type: none"> • Solve story problems • Add and subtract • Multiply and Divide 	Worksheet
	5. Fractions, Equivalence	The students will understand, <ul style="list-style-type: none"> • Problem solving • Equivalent fractions • LCD 	Using color sheet, Find the equivalent fractions	<ul style="list-style-type: none"> • Compare the fractions • Find the equivalent fraction • Write the fractions in simplest form 	Worksheet
August – 23 periods	6. Unlike Fractions, Adding and Subtracting	<ul style="list-style-type: none"> • Students will understand that fractions with unlike denominators must be converted to equivalent fractions with like denominators 	Pick a flash card and identify the type of fractions to like fraction	<ul style="list-style-type: none"> • Convert mixed into improper fraction and vice versa • Add and subtract unlike fractions 	Worksheet

	7. Multiplying Fractions	<ul style="list-style-type: none"> • Students understands that multiplying fractions means finding a fraction of a number or adding that fraction over and over again 	Using chocolates multiply the fractions by whole numbers	<ul style="list-style-type: none"> • Find the product of whole number by fraction. 	Worksheet
September – 24 periods	8. Fractions, Dividing	<ul style="list-style-type: none"> • Students understands that dividing a fraction by a whole number means dividing the denominator by the divisor and dividing by a fraction 	Draw the diagram and find the product	<ul style="list-style-type: none"> • Divide whole number by fractions • Divide fractions by whole numbers • Divide fractions by fractions 	Worksheet
	9. Maps	<ul style="list-style-type: none"> • Students understand that a map is a small picture of an area that is drawn to 	Use the compass and find the direction	<ul style="list-style-type: none"> • Read the scale and give the length of the objects. • Read the map of India from the 	Worksheet

		scale and can be used to describe position		worksheet S3 and locate the following places: *Mizoram *Goa	
	10.Angels	<ul style="list-style-type: none"> • Students will understand that an angle is, made by 2 intersecting lines and that the size of the angle is measured in degrees 	Measure the angles of the picture	<ul style="list-style-type: none"> • Identify the types of angles • Arrange the angles 	Worksheet
October – 21 periods	11.Angle measure	<ul style="list-style-type: none"> • Students will understand that angles are characteristics that help define shapes and can be drawn and measured in degrees using a protractor 	Identify the angles of the given picture	<ul style="list-style-type: none"> • Estimate the angles with clock • Measure the angles • Draw angles 	Worksheet

	12. Decimals, Tenths, Hundredths, Thousandths	<ul style="list-style-type: none"> • Students will understand that a decimal point defines that place value of each digit in a number after it is less than 1 whole 	Record your height and weight.	<ul style="list-style-type: none"> • Write the decimals in expanded form • Write the decimals as fractions 	Worksheet
November – 23 periods	13. Decimals, Adding and Subtracting (tenths)	<ul style="list-style-type: none"> • Students will understand that, like with whole numbers, adding and subtracting with decimals relies on place value 	Select a card and find the sum	<ul style="list-style-type: none"> • Add and subtract the decimal numbers 	Worksheet
	14. Decimals, Multiplying and Dividing (tenths)	<ul style="list-style-type: none"> • Students will understand that the product from multiplying 	Multiply your height and weight	<ul style="list-style-type: none"> • Multiply and Divide the decimals 	Worksheet

	15.Shape properties	<ul style="list-style-type: none"> • Students will understand that all polygons and circles are defined by properties such as angles and lengths of sides 	Name the quadrilaterals	<ul style="list-style-type: none"> • Draw equilateral, isosceles triangle • Draw square and rectangle with measurements 	Worksheet
December – 24 periods	16.3-D shapes as 2-D shapes	<ul style="list-style-type: none"> • Students will understand that 3 D shapes can be represented by 2 D shapes 	Using isometric paper draw the net of cube and cuboid	<ul style="list-style-type: none"> • Find the symmetry lines • Draw the net of the solid shapes 	Worksheet
	17.Symmetry, Refection and Rotation	<ul style="list-style-type: none"> • Students will understand that some things in the environment are symmetrical along the line of symmetry 	Find the lines of symmetry for the given object.	<ul style="list-style-type: none"> • Find the lines of symmetry • Draw the reflection • Draw the rangoli pattern 	Worksheet

	18.Patterns	<ul style="list-style-type: none"> • Students will understand that patterns have repeated design 	Draw the pattern on your own	<ul style="list-style-type: none"> • Identify the pattern • Draw a pattern using a triangle and a circle 	Worksheet
January – 19 periods	19.Area and Perimeter	<ul style="list-style-type: none"> • Students will understand that area is the measure of the surface covered 	Find the area and perimeter of the given diagram	<ul style="list-style-type: none"> • Calculate the area and perimeter • Measure the area using regular shapes 	Worksheet
	20.Volume	<ul style="list-style-type: none"> • Students will understand that volume measures the space taken up by an object and is related to capacity 	Estimate the volume	<ul style="list-style-type: none"> • Estimate the volume • Count the cubes 	Worksheet
	21.Length	<ul style="list-style-type: none"> • Students will understand that metres and millimeters can easily be represented with decimals 	Find the length of the given cloth	<ul style="list-style-type: none"> • Convert cm to m and vice versa • Convert km to m and vice versa 	Worksheet
February	22.Weight and	<ul style="list-style-type: none"> • Students will 	Find the	<ul style="list-style-type: none"> • Convert g to 	Worksheet

- 24 periods	Capacity	understand that we can multiply and divide by ten to convert units with metric system	weight of the given objects	kg,mg and vice versa <ul style="list-style-type: none"> • Solve the story problems 	
	23.Time on a Clock	<ul style="list-style-type: none"> • Students will understand that time can be measured to the nearest second 	Find the time	<ul style="list-style-type: none"> • Draw clock faces • Convert into seconds and minutes 	Worksheet
March - 24 periods	24.Money	<ul style="list-style-type: none"> • Students will understand that we can calculate profit or loss 	Find the profit and loss	<ul style="list-style-type: none"> • Find the profit and loss • Solve story problems 	Worksheet
	25.Data Handling	<ul style="list-style-type: none"> • Students will understand that data can be collected and represented using bar, circle and line graphs 	Represent the given data with bar graph	<ul style="list-style-type: none"> • Make a bar graph, line graph and circle chart 	Worksheet