

Vidya Pratishtan's
Dr.Cyrus Poonawalla School(CBSE),Baramati.
Annual Curriculum Planning-2024-25
Sub- Mathematics

Class-V

Topic	Months	21st Century Skills	Objective	Learning Outcomes	Activity	Teaching Aids	Assessment
Bridge Course Large numbers	April (21)	Problem solving	<ul style="list-style-type: none"> To learn the following To compare , form number revise even odd numbers. 	To understand the following <ul style="list-style-type: none"> To compare and form numbers. 	Use the given digits to form numbers.	Paper	Make a chart of 7 digit and 8 digit numbers with place value
Addition Subtraction		Problem solving Critical thinking	<ul style="list-style-type: none"> To learn the following To learn addition facts, addition by expansion. To learn subtraction , finding missing numbers. 	<ul style="list-style-type: none"> To understand the following To learn addition facts. To learn Subtraction 	Addition on abacus Subtraction with regrouping	Abacus, Blacks of ones, tens & hundreds	Worksheet
Multiplication Division		Problem solving Critical thinking	<ul style="list-style-type: none"> To learn the following Multiply a 3-digit number by 1 & 2 digit number Properties of multiplication. Division facts. 	<ul style="list-style-type: none"> To understand the following Multiply by expanding the bigger numbers. To understand division facts. 	To learn multiplication with marbles / pebbles / blocks	Multiplication table chart marbles	Worksheet, Google form
Factors and Multiples	Critical Thinking Experiential learning	<ul style="list-style-type: none"> Understanding multiples & factors, divisibility rules HCF, LCM, 	<ul style="list-style-type: none"> Understanding multiples and factors divisibility rules. Evaluate the LCM by prime factorization 	<ul style="list-style-type: none"> To find factors and multiples To find the HCF of two numbers 	Paper, Pen	Worksheet.	
1. More on Large Numbers	June(14)	Initiative and self direction Problem solving	To learn about <ul style="list-style-type: none"> 7digit,8digit numbers. Comparing ,ordering numbers International Place Value System , /Roman Numbers. Rounding off 	Student will learn <ul style="list-style-type: none"> 7digit,8digit numbers Write the expanded form Comparing ,Ordering number International Place Value System Roman numbers Calculate the sum and difference of roman numerals Rounding off 	To understand Place Value System and numbers To compare large numbers using abacus	Pencil,/Paper	Make Chart of 7 digit and 8 digit numbers with place value
2.Operation s on large numbers	July(25)	Proble m solving Creativi ty	<ul style="list-style-type: none"> Addition, subtraction Multiplication, Division The four Operations together 	<ul style="list-style-type: none"> Addition, Subtraction Multiplication, Division Solve word problem Calculate average of given numbers The Four Operations together 	To write the multiplication table on chart	Pens, Chart	Take numbers from 1 to 30 and write multiplicati on table

3.Factors and Multiples		Critical Thinking Experiential learning	<ul style="list-style-type: none"> Understanding multiples & factors, divisibility rules Prime & composite numbers. HCF, LCM, Relationship between them 	<ul style="list-style-type: none"> Understanding multiples and factors divisibility rules. Understand concept of prime & composite numbers Evaluate the LCM by prime factorization HCF, LCM, Relationship between them 	To understand Prime and Composite numbers To find the HCF of two numbers	Paper, Pen	Worksheet.
4.Fractions	August(24)	Collaboration Experiential learning	<ul style="list-style-type: none"> Types of fractions Reducing a fraction Comparing & Ordering Addition, Subtraction, Multiplication, Division of fractions 	<ul style="list-style-type: none"> Types of fractions Reducing a fraction Comparing & Ordering Addition and subtraction of like fractions Multiplication, Division of fractions Find the multiplicative inverse of a number 	To learn equivalent fractions	Paper, Pen Videos	Take papers of different colours and make equivalent fractions
5.Decimals		Critical thinking Problem solving	<ul style="list-style-type: none"> Types, Tenths, Hundreds Reading a decimals Conversion, expanding Comparing, Ordering Addition, Subtraction Multiplication, Division 	<ul style="list-style-type: none"> Describe decimal numbers Convert fractions into decimals Convert decimals into fractions Compare and order decimals Reading a decimals Conversion, expanding Comparing, Ordering Addition, Subtraction Multiplication, Division 	To make a chart of decimals To find sum, difference, product of decimal numbers	Pen, notebook, Videos	Write decimals and place values
6.Mapping Skills	September (23)	Creativity and innovation	<ul style="list-style-type: none"> Maps Components of map Online maps Reading map Classify direction Route maps 	<ul style="list-style-type: none"> Maps Components of map Online map Reading maps Draw route maps Classify the direction South, north, east, west 	To make chart of components of a map	Colours, Pen, Chart	Worksheet Google form
7. Data Handling		Collaboration Experiential learning	<ul style="list-style-type: none"> Drawing a bar graph Representing data as circle graph Drawing a line graph Pie chart 	<ul style="list-style-type: none"> Drawing a bar graph Representing data as circle graph Drawing a line graph Interpret data from a line graph Interpret data from a pie chart Represent data using tally marks 	To draw circle graph shows the activities chosen by the students To learn and plot a line graph.	Compass, pencil, colours pens	Google form Worksheet
8.Basic Geometry	October (21)	Art integrated learning Creativity and innovation	<ul style="list-style-type: none"> Basic Geometric Shapes Angles, measurement Types of angles Drawing angles with a protractor Polygons, Circles 	<ul style="list-style-type: none"> Basic Geometric Shapes Describe concept of angles Classify different types of angles Define parallel and perpendicular lines Drawing angle with a protractor Polygons, Circles 	To understand the concept of concentric circles To construct angles using circular sheet of	Paper, Pencil, Compass Color pencils Pair of scissors	Draw concentric Circles using compass.

					paper		
9. Patterns and Symmetry		Problem solving Critical thinking Experiential learning	<ul style="list-style-type: none"> Identify symmetric figures and lines of symmetry Turning shapes Patterns 	<ul style="list-style-type: none"> Recognize different types of patterns in numbers Turning shapes Complete patterns Draw a figure according to turn 	To make beautiful patterns using matchsticks	Matchsticks, glue	Make a pattern using matchsticks
10. Metric measures	November (15)	Art integrated learning Creativity and innovation	<ul style="list-style-type: none"> Measurement of length, mass, capacity Sums involving addition, Subtraction, Multiplication division, estimating measures 	<ul style="list-style-type: none"> Sums involving addition, Subtraction, Multiplication, division, estimating measures 	To use a measuring scale to measure lengths of different objects.	lengths of different objects.	Measure lengths of pen, compass box
11. Perimeter And Area	November/ December (18)	Experiential learning Collaboration	To understand the following <ul style="list-style-type: none"> Perimeter and area Finding the area using half-squares Estimate approximate areas of irregular shape Evaluate the areas of triangles 	<ul style="list-style-type: none"> Composite figures. finding area using half-squares. Area of irregular shape .Relationship between area & perimeter 	To make a cubical box and find its volume.	Paper, Scale	Make a cube and find volume
12. Volume and Nets		Problem solving Creativity and innovation	<ul style="list-style-type: none"> Calculate the volume of cubes and cuboids Find volume of solid figures Construct nets of solid shapes Draw cubes and cuboids on isometric dot grids 	<ul style="list-style-type: none"> Students will be able to Calculate volumes of solid shapes. Construct nets Draw cubes and cuboids on isometric dot grids. 	To find the volume of different solids To draw the front view, side view and top view of different shapes.	Blocks of cubes, pencil	Draw cubes and cuboids on isometric dot grids
13. Time and Temperature	January(26)	Experiential learning Critical thinking	<ul style="list-style-type: none"> Units of time Story Sums Finishing & Starting Time and date Interchanging units Addition, Subtraction Temperature 	Units of time <ul style="list-style-type: none"> Interchanging units Addition ,Subtraction Story Sums Finishing & starting and date Temperature. 	To measure the temperature of different objects in degree Celsius and degree Fahrenheit	Thermometer hot water, ice	Measure temperature using thermometer

14.Life Mathematics	February(24)	Problem solving Experiential learning	<ul style="list-style-type: none"> • Cost price & selling price • Profit and loss • Finding SP & CP • Profit percent & loss percent 	<ul style="list-style-type: none"> • Define the term Cost price & selling price • Apply unitary method in everyday calculations • Profit and loss • Finding SP & CP • Profit percent & loss percent 	To make a bill	Grocery list, pen, pencil	Worksheet. To understand the concept of profit and loss Worksheet Google form To learn and plot a line graph.
	March (03)		The Second Terminal Examination				