



Baroda High School,ONGC
Primary Section (Morning Shift)
Maths Syllabus 2026-27 - Std - III

Month	Workin g Days	Chapter no.	Chapter /Topic	Learning Outcomes		No. of periods	TLM
J u n e	19	1(UT-1)	What's in a name?	The learner will:		10	* Number cards * place value house
				*	Read and write 4-digit numbers		
				*	Understand place value		
				*	Compare and order numbers		
				*	Expand numbers into place values		
		2 (UT-1)	Toy-Joy	*	recognise and name different 3D objects	9	* Toy grouping
				*	locate its faces,edges and corners		
				*	how to use positional vocabulary to describe arrangements (top,under ,between and opposite)		
J u l y	27	3 (UT-1)	Double century	The learner will:			
				*	Add 2-3 digit numbers; Use column addition; Solve word problems; Estimate sums	18(+5 days for UT-1 revision+ 4 days exam)	* Skip counting games, Number line jumps, real- life sums
A u g u s t	23	4 (UT- 2)	Vacation with My Nani Maa	The learner will:		12+ (3days exam)	* Story-based subtraction
				*	Subtract 2-3 digit numbers.		
				*	Use borrowing method.		
				*	Solve word problems.		
				*	Check answers using inverse operation.		
		5 (Internal)	Fun with shapes	*	Identify 2D shapes	8	* Shape hunt
				*	Recognize patterns		
				The learner will:		4	* rangoli design
S e p t e m b e r	24	5 (Internal)	Fun with shapes (continued)	*	Classify shapes		
				*	Create simple designs		
		6 (UT-2)	House of Hundreds -I	*	Understand place value up to 1000	15+(5 days for revision)	* Bundling sticks, base- 10 blocks, Anubhav ganit kit 1 TO 100 chart
				*	Read and write numbers		
				*	Use base-10 blocks		
				*	Compare numbers		

Month	Working Days	Chapter no.	Chapter /Topic	Learning Outcomes		No. of periods	TLM
O c t o b e r	24	7(UT-3)	Raksha Bandhan	The learner will:		12+(9days for exam term 1)	* Beads grouping activity
				*	Understand multiplication as repeated addition		
				*	Use tables		
				*	Solve simple problems		
				*	Identify equal groups		
		8	Fair Share	*	Understand division as sharing and divide into groups	3	Sharing sweets activity * activity
				*	explore relationship between parts and whole		
N o v e m b e r	7	8 (UT-3)	Fair Share (continued)	The learner will:		7	
				*	define fractions and their terms (halves,quarters ,three quarters),Relate division to multiplication		
				*	Solve simple problems		
D e c e m b e r	26	9 (UT-3)	House of Hundreds -II	The learner will:		15	* Number building games
				*	Expand numbers		
				*	Compare numbers		
				*	Arrange in ascending/descending order		
				*	Understand number patterns		
		10 (UT-3)	Fun at Class Party!	The learner will:		11	real life objects/body parts/ruler/measuring tape
				*	understand the concept of measurement		
				*	understand non standard units of measurement(handspan, footspan and cubit)		
				*	understand standard units of measurement(cm and m)		
				*	compare objects whether longer,shorter and equal in length		
J a n u a r y	24	11(UT-4)	Filling and Lifting	The learner will:		12(+7 days for exam and revision)	pan balance/real life objects(marbles,vegetables)
				*	Measure weight and capacity		
				*	Use standard units		
				*	Compare quantities		
				*	Solve real-life problems		
		12	Give and Take	*	Solve addition/subtraction word problems	5	
				*	Understand transactions		
F e b r u a r y	24	12(UT-4)	Give and Take (continued)	The learner will:		10	* polypad/anubhav ganit kit/numberline
				*	Apply operations in daily life		
				*	Improve problem-solving		
		13(UT-4)	Time Goes On	*	Read clock time	14	* calender/clock (anubhav ganit kit)
				*	Understand calendar		
				*	Calculate duration		
				*	Sequence events		
M a r	23	14 (UT -4)	The Surajkund	The learner will:		14(+9 days for	* paper folding/real life objects(leaf,book, clothes for
				*	Understand money values		
				*	Add and subtract money		

Month	Working Days	Chapter no.	Chapter /Topic	Learning Outcomes		No. of periods	TLM
c h			Fair	*	Make bills	revision)	paper//colours for rangoli pattern
				*	Solve real-life problems		

Month	Working Days	Chapter no.	Chapter /Topic	Learning Outcomes	No. of periods	TLM
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Baroda High School,ONGC

Primary Section (Morning Shift)

Maths Syllabus 2026-27 - Std - IV

Month	Working Days	Chapter no.	Chapter/Topic	Learning Outcomes		No. of periods	TLM/Activity
J u n e	19	1	Building With Bricks (UT-1)	The learner will:		10	* brick pattern photos * match box activity * graph paper to draw pattern
				*	Understand cuboid shapes (Bricks)		
				*	Understand and observe brick patterns on the floor and walls.		
				*	Understand numbers upto the smallest 5-digit number.		
		2	Long and short (UT-1)	*	Guess and estimate long and short distances	9	* handspan / footstep activity
J u l y	27	2	Long And Short (Continued) (UT-1)	The learner will:		4	
				*	Solve simple real life problems using length/distance using addition and subtraction.		
		3	A Trip to Bhopal	*	Solve problems involving daily life situations related to length, distance and time involving four basic arithmetic operations.	15 + 3 (revision for UT-1)(5 days for UT-1)	* travel tickets
A u g u s t	23	4	Tick-Tick-Tick (UT-2)	The learner will:		10 (+3 for UT-1)	* Daily routine charts * Timeline strips
				*	Read the time in hours and minutes		
				*	Express the time in a.m. and p.m.		
				*	Relate 24-hour clock with respect to 12-hour clock.		
				*	Calculate time intervals by using forward and backward counting using addition and subtraction.		
		5	The Way The World Looks (Internal)	*	Understand concept of symmetry by reflection.(Show through paper folding/ paper cutting, ink blots, etc.)	10	* Paper folding origami Nets of cube/ cuboids
				*	Draw views-top view, front view & side view of simple 3D objects.		
				*	Make cubes/cuboids using the given nets.		
S e p t e m b e r	24	6	The Junk seller (UT-2)	The learner will:		19 + 5 days UT-2 revision	* role play setup (buying and selling)
				*	Solve simple real life situations/problems, including money, mass by addition, subtraction and multiplication.		

Month	Working Days	Chapter no.	Chapter/Topic	Learning Outcomes		No. of periods	TLM/Activity
O c t o b e r	24	7	Jugs and Mugs (UT-3)	The learner will:		15 (+9 days UT-2)	* Different containers
				*	Estimate the volume of liquid and verify with actual measurement.		
N o v e m b e r	7	8	Carts and Wheels (UT-3)	The learner will:		7	* observe circular objects in surrounding
				*	Acquire understanding about circles in surrounding and try to draw a circle.		
D e c e m b e r	26	8	Carts and Wheels (continued)	The learner will:		5	* Thread and pencil for circle drawing
				*	Identify and understand the centre, radius and diameter of the circle.		
		9	Halves & Quarters (UT-3)	*	Find out objects in your surroundings which can be divided into fractions, eg: pizza, sandwich, chappati, etc.	15 (+3 days UT-3 revision)	* Paper folding (Anubhav ganit kit)
				*	Count total number of parts and divide it into shaded and unshaded parts.		
				*	Identify and understand half, one-fourth, three-fourth in a given picture (paper folding activity).		
				*	Represent the fractions as half, one-fourth and three-fourth by using		
				*	Show the equivalence of a fraction with other fractions.		
				*			
				*			
				*			
J a n u a r y	24	10	Play with Patterns (Internals)	The learner will:		4 (+7 days UT-3)	* rangoli design kit * stickers for sequencing
				*	Observe, identify and extend geometrical patterns based on symmetry.		
		11	Tables and Shares (UT-4)	*	Understand coding and decoding of secret messages and recognise their rules.	13	* Array boards
				*	Understand multiplication as repeated addition and division as repeated subtraction. Multiply and divide 2 and 3 digit numbers by a 2 digit number (pictorially, equal grouping or repeated addition and subtraction).		
F e b r u a r y	24	12	How Heavy? How Light? (UT-4)	*	Solve simple real life situations/problems including money, length, mass and capacity by using the four operations.	10	* Polypad for measurement
				*			
				*			
				*			
		13	Fields and Fences (UT-4)	*	Find the area and perimeter without using formula.	13	* Real life examples, notebook, desk
				*	Compare area and perimeter of different shapes.		
				*	Find area and perimeter using graph paper/square grid (leaf, palm, etc.)		
				*			
M				The learner will:			

Month	Working Days	Chapter no.	Chapter/Topic	Learning Outcomes		No. of periods	TLM/Activity
March	23	14	Smart Charts (UT-4)	*	Represent the collected information in tables and bar graphs and draws inferences from these.	15	* Survey sheets, objects for sorting.
					Revision (Term 2)	8	

**Baroda High School, ONGC**

Primary Section (Morning Shift)

Maths Syllabus 2026-27 - Std - V

Month	Working Days	Chapter no.	Chapter/ Topic	Learning Outcomes	No. of periods	TLM/ Activity
J u n e	19	1	National Fruit Mango (UT-I)	The learner will: * Read and write numbers till Lakh. * Compare numbers up to 6 digits by place value. * Round of given numbers up to 1000 and nearby. * Add subtract up to 6 -digit numbers. * Multiply 5-digit numbers by 3-digit numbers. * Divide 5-digit numbers by 2-digit numbers. * Solve practical puzzle based on multiplication and	15	Number sytem (AGK)
		2	Shapes and Angles	* Observe the angles around them and compare their measurement. Check if they are big small or equal. * Show the protractor as measuring instrument.	4	Triangle Cut-outs (AGK)
J u l y	27	2	Shapes and Angles (continued) (UT-I) Internal	The learner will: * Use protractor to draw angles. * Use protractor to measure angles. * Find out different shapes and measure angles in that * Draw and understand different shapes using matchsticks (Activity).	4	
		3	How many squares ? (UT-I)	* Finding the area and perimeter used in practice using graph paper (eg: palm, leaves, postal stamps, etc.) * Finding the area and perimeter of geometrical shapes using graph paper (eg: square, rectangle) * Compare area and perimeter of different shapes. * Knows the units of area and perimeter.	10 +3 days revision + 5 days UT-1	Square grid (AGK)
		4	Parts and Wholes	* Find out objects in your surroundings which can be divided into fractions, eg: pizza, sandwich, chappati, etc. * Count total number of parts and divide it into shaded and unshaded parts.	5	Fractions strips, Numicons
A u g u s t	23	4	Parts and Wholes (UT-II) (continued)	The learner will: * Compare fraction in different ways such as folding the paper shading the diagram etc. * Develop the concept of even fractions through various activities. * Solve fraction based practice puzzles.	(3 days UT-1) 5	Polypad
		5	Does it look the same? (UT-II) Internal	* Recognize shapes and patterns seen in pictures. * Identify symmetrical shapes and patterns in the * Identify patterns found in numbers and words. * Understand rotation of different patterns, shapes and numbers (one-fourth, half turn & one-sixth turn). * Rotate the given shapes to one-fourth, one-half and one-sixth turn.	15	Polypad
S e p t e m b e r	24	6	Be my multiple, I'll be your factor(UT-II)	The learner will: * Recognize and understand multiples using meow game, skip count (multiples of 3,4,5,6, etc.) * Understand common multiples using dice game, calendar, roll numbers, etc. * Find out factors of given numbers using calendar. * Find out common factors of given numbers using * Draw and understand factor tree and find out common factors. * Solve puzzles related to factors and multiples. * Revision for Term-1	19 (5 days for revision)	Multilication grid , Polypad

Month	Working Days	Chapter no.	Chapter/Topic	Learning Outcomes	No. of periods	TLM/ Activity
O c t o b e r	24	7	Can you see the pattern? (UT-III)	The learner will: * Identify the patterns in your surroundings and draw them. Eg: saree border, skirt border, etc. * Turn different patterns one-fourth, one-half and three-fourth (tile patterns, floor patterns). * Draw and turn different alphabets to one-eighth/45°. * Understand magic squares and fill in the empty spaces in magic squares. * Draw magic hexagons using numbers. * Use calendar and find out magic squares of 3 rows and 3 columns. * Understand number patterns and fill in the next pattern.	(9 days UT-2) 10	Polypad
		8	Mapping your way (UT-III)	* To understand and identify different directions in different contexts, (eg: sun rises in the East). To understand, read and identify maps in your surroundings, (eg: society map, garden map, tourist guide map of different places). * Matching the actual map of Rajpath marg with its actual route. * Understand maps using scale (Trip to Red Fort). * Understand and interpret map of India. (Find out distance between two cities using the given scale). * Draw and understand classroom map, school map.	5	Polypad
N o v e m b e r	7	9	Boxes and Sketches	The learner will: * Identify, recognize different 2D and 3D shapes in your surroundings. * Draw and make 3D models of different shapes (use paper and make cone). * Identify shapes and 3D objects into different categories (matchbox / duster = cuboid, dice /Rubik's Cube = cube). * Draw net of different shapes (3D). * Understand deep drawings and floor map (house/school/classroom)	7	Polypad, AGK
D e c e m b e r	26	9	Boxes and Sketches (continued) (UT-III)	The learner will: * Count and write number of cubes in different 3D shapes * Identify top view, side view and front view of different 3D objects. * Draw top view, side view and front view of different 3D objects.	4	
		10	Tenths and Hundredths (UT-III)	* Understand one-tenth using a scale * Understand one-hundredth using a measuring tape * Understand different units like centimetre, millimetre, kilometre. * Measure length of different objects using scale, measuring tape (ladies finger, candle, etc.) * Understand conversion of centimetre to millimetre, metre to centimetre, and kilometre to metre. * Understand conversion of rupee to paise. * Convert fraction with denominator 10 and 100 into * Solve and understand story sums based on currency length temperature etc.	19 (3 days UT-3 revision)	Decimal Grid, Polypad
J a n u a r y	24	11	Area and its boundary (UT-IV)	The learner will: * Understand area and perimeter of different shapes using Formulas. * Find area and perimeter of different shapes (rectangle and square). * Activity based learning a. Find area and perimeter of your math textbook compose box etc. b. Find perimeter of given shapes using thread. c. Find area of objects using graph paper. * Solve different story sums using area and perimeter	(2 days revision + 7 days UT-3) 10	Square grid (AGK), Polypad

Month	Working Days	Chapter no.	Chapter/Topic	Learning Outcomes	No. of periods	TLM/ Activity
		12	Smart Charts	* Learn to collect and record data of pet animals at home. * Use tally marks to represent data. * Activity based learning: Find out number of vehicles in your * Introduction of chappati chart and recalling fraction to learn parts.	5	Polypad

Month	Working Days	Chapter no.	Chapter/Topic	Learning Outcomes	No. of periods	TLM/ Activity
F e b r u a r y	24	12	Smart Charts (continued) (UT-IV)	The learner will: Activity based learning: Collect data and prepare chappati * chart on basis of recorded data (students who like to play football, cricket, badminton, etc.) * Understand and analyze the bar chart and answer the questions based on given data. * Understand family tree and answer the questions from given	7	
		13	Ways to multiply and Divide (UT-IV)	* Understand different methods of multiplication. * Understand box method and regular method to multiply numbers. * Multiply different numbers using both the methods. * Solve story sums using box method of multiplication and regular method of multiplication. * Understand different methods of division (long method and short method). * Divide different numbers using both the methods. * Solve story sums using long method of division and short method of division.	17	Multilic- ation grid
M a r c h	23	14	How Big? How Heavy? (UT-IV) Internal	The learner will: * Introduction /Identifying of weights and capacities. * Understand units of weights (gram or kilogram). * Understand units of capacities (millilitre or litre). * Convert kilogram to gram and litre to millilitre. * Add and subtract weights and capacities units. * Introduction/understand volume. * Understand and find volume of a given cube with given * Understand and find volume of given cuboid with given * Solve story sums and activity based learning from above topics.	13	Polypad, AGK
				* Revision for Term-2	10	



Baroda High School,ONGC

Primary Section (Morning Shift)

Maths Syllabus 2026-27 - Std - VI

Month	Working Days	Chapter no.	Chapter/Topic	Learning Outcomes	TLM/ Activity	No. of periods
June	19	1	Patterns in Mathematics (UT-1) (Term -I - 5 Marks)	Identify numbers, observe patterns, logical reasoning	Anubhav Ganit Kit, Beads, Flashcards	14
		2	Lines and Angles (UT-1) (Term - I - 10 Marks)	Understand lines, rays, angles	Anubhav Ganit Kit	5
July	27	2	Lines and Angles (UT-1) (Term - I - 10 Marks)	Measure angles	Geometry Box,Geoboard, Flash Cards, Sticks and Straws	15
				Observe angles in daily lifeobjects (real life situations)		
				Revision		7
	Exam (UT-1)					5
Exam(UT-1)						3
August	23	3	Number Play	Explore numbers properties and their relationships	Anubhav Ganit Kit,Number cards, Puzzles, Dice and Borad Games	16
				Apply Basic Operations		
				Real Life Applications		
		4	Data Handling and Presentations	Collect Date from Surroundings	Sticks notes for Pictograph	4
		4	Data Handling and Presentations	Interprete and Analyze Data	Cricket Match Data Exam Result Data	14
				Draw Conclusion from the given information		
				Collect and represent Data		
					Revision	
October	Term -1 Exam (1st OCT to 9th OCT)					9
	24	5	Prime Time	Recapitulation of Tables	Anibhav Ganit Kit, Factor Chars, Beads, Buttons, Bindis, Flash Cards	15
				understand factors, multiples, prime numbers, composite numbers, etc.		
				To find LCM, HCF (Factor Tree)		

Month	Working Days	Chapter no.	Chapter/Topic	Learning Outcomes	TLM/ Activity	No. of periods
November	7	6	Perimeter and Area (to be Continued...)	To understand dimensions of different shapes To measure perimeter and area	Anubhav Ganit Kit, Thread, Measuring	6
December	26	6	Perimeter and Area (UT-2)	To find perimeter and area using formulas To understand units of measurements	Tiles, Geoboard	10
		7	Fractions (Term - II)	Understand Fraction / Whole Write Fraction in number and Word Form (shaded and Unshaded) Understand Equivalent, Like - Unlike, Proper - Improper, Mixed Fractions Add / Subtract fractions Real Life Applications	Anubhav Ganit Kit Paper Folding PPT Polypad	16
January	24	Revision - UT-2				3
		Exam UT- 2 (4 /1/27- 11/1/27)				7
		8	Playing With Constructions (Term - II)	Understand use of Geometry Box for construction of right angle, acute angles, obtuse angles To find equidistant point in a given shape Construction of a shape using multiple shapes. (Pentagon, intersection of two circles, etc.) Real Life Applications	Geometry Box, Geo Board, Polypad App, Use of different shapes on the ground	14
February	24	9	Symmetry (Term - II)	Identify Symmetry in our surroundings (nature, monuments) Understand Reflection Symmetry Understand Line of Symmetry Understand Rotational Symmetry Understand growing symmetry Develop Logic and Reasoning	Anubhav Ganit Kit, Rangoli Patterns, Geo Board, Mirror, Cutouts of Letters - Numbers,	16
		10	The Other Side Of Zero (Term - II)	Understand Natural Numbers, Whole Numbers and Other Side of Zero. To represent Integers on Number Line	Anubhav Ganit Kit, Polypad App	8
March	23	10	The Other Side Of Zero (Term - II)	Operation of Integers Rules to add and subtract Integers Real Life Applications (Credit - Debit, Temperature Increase - Decrease , Functioning of Elevators)	Roleplay (Bank, Market), Staircase, Human Number Line(Using Flash Cards)	13
		Revision for Term - II				10

Month	Working Days	Chapter no.	Chapter/Topic	Learning Outcomes	TLM/ Activity	No. of periods
April	Exam Term - II					



Baroda High School,ONGC

Primary Section (Morning Shift)

Maths Syllabus 2026-27 - Std - VII

Month	Working Days	Chapter no.	Chapter/Topic	Learning Outcomes		No. of periods	TLM
June	19	1	Integers UT - 1	The Learner will:		10	Integer Numberline and counters AG
				* Identify the integers using a number line.			
				* Generalize the commutative , associative, closure and distributive properties of integers.			
				* Find out the addition, subtraction, multiplication and division of integers.			
		2	Fractions & Decimals UT - 1	* Understand the fraction (recalling from 6th std)		9	Fraction strips
				* Learn about the like, equivalent, proper, improper and mixed fractions.			
* Verify the multiplication and divisions of fractions.							
July	27	2	Fractions & Decimals (continued) UT - 1	The Learner will:		10	Pizza fractions AG
				* Learn how to convert fractions into decimals and vice versa.			
				* Verify the multiplication and division of decimals and solving problems.			
				* Solving problems related to area and perimeters using decimals.			
		3	Data Handling Term - 1	* Find a representative value of data, i.e. mean, median and mode of ungrouped data.		12 + 5	Graphs
				Revision of UT-1			
August	23	4	Simple Equations Term - 1	The Learner will:		18	Balance model
				* Define equation in one variable.			
				* Find solution of the simple equations.			
				* To understand the sum, difference, multiplication, division of factor, coefficient of terms and thus solving the equation using transposition method.			
				* Apply the concept in solving word problems.			
		5	Lines & Angles Term - 1	The learner will:		5	Triangle cut outs (AG)
* Classify pairs of angles based on their properties as linear, supplementary, complementary, adjacent and vertically opposite and find value of the one when the other is given.							
September	24	5	Lines & Angles (continued) Term - 1	The learner will:		13	Lines and angle model, Geoboard
				* Verify the properties of various pair of angles formed when a transversal cuts two lines.			
				* Find unknown angle of a triangle when it's two angles are known.			
		12	Symmetry Term - 1	* Find symmetry in nature.		5	Paper folding, Alphabet cards, Geoboard,
				* Explore various symmetrical objects in the surroundings.			
				* Apply line of symmetry in various objects.			
Revision of Term-1							
Term -1 Exam (1st OCT to 9th OCT)							

Term -1 Exam (1st OCT to 9th OCT)

Month	Working Days	Chapter no.	Chapter/Topic	Learning Outcomes	No. of periods	TLM
October	24	6	The Triangle and its properties UT - 2	The learner will:	18	Triangle cut outs (AG), paper triangles
				* Define median, altitude of a triangle.		
				* Prove the exterior angle property and angle sum property of a triangle and solve sums related to it.		
				* Practically and theoretically prove the sum of lengths of two sides of a triangle is greater than the third side and Solve sums.		
				* Learn how to use Pythagoras Theorem in right angled triangle and solve sums.		
November	7	7	Comparing quantities UT - 2	The learner will:	7	Grid cards (AG), Numicons (AG)
				* Recall ratios and percentage.		
December	25	7	Comparing quantities (continued) UT - 2	The learner will:	15	Bills and discount vouchers
				* Learn increase or decrease percent.		
				* Apply percentage to profit and loss.		
				* Learn the concept of simple interest and solving of sums related to rate of interest, principal and time period.		
		8	Rational Numbers Term - 2	* Define rational numbers.	6	
				* Represent rational number on a number line.		
				Revision of UT-2	5	
January	24	8	Rational Numbers (continued) Term - 2	* Find out desired number of rational numbers between two given rational	9	Number line, Fractions stripes (AG)
				* Analysis the properties of addition, subtraction, multiplication and division of rational numbers.		
		9	Perimeter and area Term - 2	The learner will:	15	Grids, Triangles (AG), Geo board, circle cut outs
				* Identify plane figures (2D).		
				* Verify the area of triangle and parallelogram and solve the sums		
				* Verify the circumference and area of a circle and apply to solve practical problems		
				* Learn how to convert the units related to perimeter and area.		
February	24	10	Algebraic Expressions Term - 2	* Define coefficient, terms, expressions.	15	Algebraic Tiles, (AG)
				* Learn about monomials, binomials, trinomials and polynomials.		
				* Apply addition and subtraction to the expression.		
		11	Exponents and powers Term - 2	The learner will:	9	Grids (AG), Boxes
				* To make larger number easier by using them in exponent form		
March	23	11	Exponents and powers (continued) Term - 2	* Understand laws of exponents and its applications.	10	Place value chart
				* Expressing large numbers in the standard form using exponents and decimal number system.		
				* Recognise 2D and 3D shapes.		
		13	Visualising Solid	* Identify different shapes in nested object	7	Nets (AG)
				* Represent 3D shapes on plane surface using graph paper, isometric paper.		

Month	Working Days	Chapter no.	Chapter/Topic	Learning Outcomes		No. of periods	TLM
			Shapes	*	Practically learn the shadow play technique		
					Revision for term 2	6	
* DIGITAL TOOLS : GEOGEBRA, POLYPAD, Phet, DIKSHA ONLINE WOULD BE USED ACCORDINGLY							



Baroda High School,ONGC
Primary Section (Morning Shift)
Maths Syllabus 2026-27 - Std - VIII

Month	Working Days	Chapter no.	Chapter/Topic	Learning Outcomes	No. of periods	TLM
June	19	1	Rational numbers UT - 1	The learner will:	11	Place value chart Fraction strips Number line (AG)
				* Define rational number		
				* Generalise properties of addition, subtraction, division, multiplication of rational numbers		
				* Skills: Aesthetic skills and thinking capacity		
		2	Linear equation in one variable UT - 1	* Identify a linear equation in one variable	8	Algebra tiles Balancing Equation
				* Find solution of a linear equation in one variable		
				* Verify the solution of linear equation		
July	27	2	Linear equation in one variable (continued) UT - 1	The learner will: Skills: Logical thinking	2	
		3	Understanding quadrilaterals Term - 1	* Represent convex and concave polygons.	15	Origami Geoboard
				* Classify Polygon on the basis of its sites.		
				* Solve problems related to angles of a quadrilateral using angle sum property.		
				* Verify properties of parallelogram and establishes relationship between them through reasoning.		
				Skills: reasoning ability and creativity		
		4	Data Handling Term - 1	* Organise the data systematically for a given piece of information.	5	Collection of Data
				* Present a raw data through graphs.		
				Revision for UT-1	5	
August	23	4	Data Handling (continued) Term - 1	The learner will: * Present a raw data through graphs.	5	Spinning wheel dice, graphs Playing cards
				* Interpretate data using bar graphs and circle graphs.		
				* Make hypothesis on chances of future events on the basis of its earlier occurrences or available data like after repeated throws of dice and coins.		
		5	Squares and square roots Term - 1	* Identify a square number.	18	Charts of number pattern Pythagorean triplets Square tiles
				* Generalise the properties of a square number.		
				* Apply patterns in square numbers to solve puzzles.		
				* Find squares and square roots of number using different methods.		
				* Know Pythagorean triplets.		
				* Find Pythagorean triplets.		
				* Skills: intellectual reasoning and creativity		
September	24	6	Cubes and cube roots Term - 1	The learner will: * Express cube number and explores the one's digit of cubes of numbers ending in 2, 3, 4, etc.	18	Rubik's cube, dice cube cubical objects
				* Generalise interesting patterns of cube numbers.		
				* Find cubes and cube root of numbers through prime		
				Skills: Organization and Observation skills		
				Revision for Term-1	6	
October	24	7	Comparing quantities UT - 2	The learner will: * Find ratio to compare two quantities of the same	15	Fake currency percentage wheel pizza fraction (AG)
				* Calculate increase or decrease present percent.		
				* Apply the concept of percent in profit and loss situation.		
				* Apply the concept finding discount, VAT, Compound Interest and GST.		
				Skills: Logical thinking, Reasoning utilitarian value		

Month	Working Days	Chapter no.	Chapter/Topic	Learning Outcomes		No. of periods	TLM	
November	7	7	Comparing quantities (continued) UT - 2	The learner will:		3		
				* Apply the concept finding discount, VAT, Compound Interest and GST.				
				Skills: Logical thinking, Reasoning utilitarian value				
		8	Algebraic expressions & Identities UT - 2	* Classify a polynomial as monomial binomial or trinomial.		4		Algebraic Tiles
* Construct as many polynomials as possible using variables								
December	26	8	Algebraic expressions & Identities (Continued) UT - 2	The learner will:		11		
				* Recall addition and subtraction of algebraic expression and perform multiplication of algebraic expression.				
				* Perform multiplication of algebraic expressions.				
				Skills: Power of Expression and Problem solving				
		9	Mensuration Term - 2	* Verify the area of trapezium and other Polygon using formulae.		10		Cut outs of triangles and quadrilaterals Geoboard
				* Find the area of Polygon.				
				* Find the surface area and volume of cuboidal and cylindrical objects.				
				Revision for UT-2				
January	24	9	Mensuration (continued) Term - 2	The learner will:		7	Nets of 3D shapes (AG)	
				* Apply the concept of surface area and volume to solve real life problems.				
				Skills: Practical values and Problem solving attitude				
		10	Exponents and powers Term - 2	* Write very small numbers and large numbers using exponents and its comparison.		12	Exponents blocks and flash cards Power charts	
				* Solve problems with integral exponents.				
				* Generalise laws of exponents through simplifications.				
				* Find and convert large number and very small number in standard form and usual form.				
				11	Direct and Inverse Proportion Term - 2	Skills: Concentration and Critical Thinking		2
* Write few situations where change in one quantity leads to change in another quantity.								
February	24	11	Direct and Inverse Proportion (continued) Term - 2	The learner will:		16		
				* Cites examples from real life situations based on the concept of direct and inverse proportions.				
				* Solve problems based on direct and inverse proportions.				
		Skills: Reasoning Power and Problem Solving		8	Algebraic identities poster Factor strips			
12	Factorization Term - 2	* Express algebraic expressions as product of their factors.						
		* Factorise algebraic expressions by method of common factors and regrouping terms.						
March	23	12	Factorization (continued) Term - 2	The learner will:		10	Algebraic tiles	
				* Solve problems based on the division of one polynomial by another.				
				* Verify the idea of inverse operation of multiplication (i.e. division) for algebraic expression.				
				Skills: Reasoning, Logical Thinking, Problem Solving.				
		13	Introduction to graphs Term - 2	* Draw line graph and verifies relation between dependent and independent variables.		8	Graph sheets Grid paper Smart board	
				* Interpretate data using line graph.				
				Skills: Accuracy, Justification				
				Revision for Term-2				5
* DIGITAL TOOLS : GEOGEBRA, POLYPAD, Phet, DIKSHA ONLINE WOULD BE USED ACCORDINGLY								