



ST NICHOLAS PUBLIC SCHOOL GARHBETA

CURRICULUM FOR SESSION-2024-25

CLASS-IV

Subject: MATHEMATICS

CLASS	4				
Name of the Text Book	Exploring Mathematics	Author	Mrs. N. M. Parti (BSc, MA, Bed, DEM, DTTE) Mrs. Richa, D. Bhatia (BSc, Bed, MSc)		
No. of Units/Chapters given in the textbook	14	No. of units/chapters deleted if any	Nil		

Subject: Mathematics

Month & No. of Working Days	Unit	Theme	Key Concepts	Activities/Processes	Resources	No. of Periods for each unit
April – May - 25 days	Numbers and Numeration	<ul style="list-style-type: none"> ➤ Indian Place value chart ➤ Comparison of numbers. ➤ Roman numerals. 	<ul style="list-style-type: none"> • Extension of 5-digit numbers. • Place value and face value. • Skip counting. • Rules for roman numeral • Estimation • Problem based on numbers 	<ul style="list-style-type: none"> ✓ To write only one number we require same no. of letters. What is this. ✓ Place value chart ✓ Power point presentation. 	ICT NUMERICAL WORK SHEET	12
	Addition	➤	<ul style="list-style-type: none"> • Addition of 5-digit numbers • Story sums • Fast forward • Work sheet based on this. • Word problems 	<ul style="list-style-type: none"> ✓ Paper cutouts to add numbers. ✓ Solving Puzzles. 	ICT EXAMPLER BOOK	7
	Subtraction	➤	<ul style="list-style-type: none"> • Subtraction of 5-digit numbers. • Finding the missing digits. • Mental maths • Real life examples. • Addition and 	<ul style="list-style-type: none"> ✓ Paper cutouts to subtract the numbers. ✓ Black board activity 	ICT	9

			subtraction together			
			<ul style="list-style-type: none">• Rounding off the numbers			

June – 12 days	Multiplication	<ul style="list-style-type: none"> ➤ Multiplication of three numbers by suitable arrangement. 	<ul style="list-style-type: none"> • Multiplication by lattice method. • Multiplication by 10,100, 200, 300 • Multiplication by expanded solution. • Multiply the numbers by vertical column method. • Rounding off the numbers • Story sums 		<ul style="list-style-type: none"> • Fun of multiplication • Triple play without using calculator. • Group quiz. 	10
July – 25 days	Division	<ul style="list-style-type: none"> ➤ Division of numbers with some examples 	<ul style="list-style-type: none"> • Divide a number by 11,100,1000. • Division by 2 and 3-digit numbers • Story sums • Simplification, challenge. 	Numerical worksheet	<ul style="list-style-type: none"> • Use of division in day to day life 	10
	Fractional numbers	<ul style="list-style-type: none"> ➤ Types of fraction ➤ Conversion of fraction. 	<ul style="list-style-type: none"> • Like and unlike, equivalent fraction, proper and improper, unit fraction, mixed fraction. • Converting improper fraction to mixed fraction and unlike fraction to like fraction • Comparison of two fraction. 			10
August – 23 days	Addition and subtraction of fractional numbers	<ul style="list-style-type: none"> ➤ Addition and subtraction between two and more fractions 	<ul style="list-style-type: none"> • Addition between like and unlike fraction. • Addition of a whole number and fractional number. • Properties of addition. • Subtraction of like and unlike fraction and mixed fraction. • Properties of subtraction. • Use of fractions in daily life. • Subtraction of whole numbers 			12

	Money	<ul style="list-style-type: none"> ➤ Bill ➤ Conversion 	<ul style="list-style-type: none"> • Converting rupees to paise. • Addition, subtraction, division, multiplication of money. 			8
Oct- 21 days	Measurement of length, mass and capacity.	<ul style="list-style-type: none"> ➤ Conversion of units addition and 	<ul style="list-style-type: none"> • Why do we measure? • Units of measurement. • Conversion between length (m to cm, cm to m) • Conversion of weights. (kg to gm, gm to kg) • Addition, subtraction, multiplication, division of m and cm. • Capacity 	PROJECT GROUP		15
Nov – 25 days	Measurement of Time	<ul style="list-style-type: none"> ➤ Measuring time. ➤ Clock time. ➤ Calendar 	<ul style="list-style-type: none"> • Time in seconds • The 24 hour clock time. • Day, week, month and year, leap year • Duration of time • Calculating days • Problems based on time. 			Individual Activity
	Geometry	<ul style="list-style-type: none"> ➤ Line ➤ Measuring length ➤ Circle 	<ul style="list-style-type: none"> • Differentiate between line, line segment, ray. • Measurement of length by help of ruler. • What is circle. • Terms related to circle. (centre, circumference, radius, diameter, chord semi circle) • Drawing a circle. 			Drawing activity
Dec – 22 days	Perimeter and area.	<ul style="list-style-type: none"> ➤ 	<ul style="list-style-type: none"> • Perimeter of different figure. • Area of the figure drawn on graph paper. • Standard units of area. 			GROUP ACTIVITY
Jan – 25 days	Patterns	<ul style="list-style-type: none"> ➤ 	<ul style="list-style-type: none"> • What is number • Odd and even numbers • Observing the patterns of different numbers • Fun math-reflections • Problems based on patterns. 			
	Pictorial	<ul style="list-style-type: none"> ➤ Bar graph 	<ul style="list-style-type: none"> • What is a bargraph? 			

	representation		<ul style="list-style-type: none"> • Study the bar graph. • Pict 	
February	Revision	REVISION FOR FINAL TERM		

ENGLISH

MONTH	CHAPTERS/TOPICS	NO OF PERIODS
APRIL	1 . Up The Mountain (Mcb) 2 . The Little Big Man(Lit) 3 . Sentences 4 . Subject and Predicate 5 . Paragraph Writing	21
MAY	6 . Activity(Interesting Professions) 7 . Activity Book	5
JUNE	1 . Eureka (Mcb) 2 . Noun 3 . Gender 4 . Activity(The Woodman And Mercury) 5 . Activity Book	3 3 4+5
JULY	1 . The Toys Talk Of The World (Mcb) 2 . Not Our Problem(Lit) 3 . Singular and Plural 4 . Adjectives 5 . Synonyms and Antonyms 6 . Activity(Beethoven) 7 . Activity Book	22
AUGUST	1 . The Unlucky Weaver(Lit) 2 . Getting Ready For A Party (Mcb) 3 . Articles 4 . Pronouns 5 Letter writing	23

	<ul style="list-style-type: none"> 6 . Activity (Charlie And The Chocolate Factory) 7 . Activity Book 	
SEPTEMBER	Revision	
OCTOBER	<ul style="list-style-type: none"> 1 . Another Chance (Mcb) 2 . The Green Wood Gatherer(Lit) 	15
	<ul style="list-style-type: none"> 3 . Verb, Time And Tense 	23
	<ul style="list-style-type: none"> 4 . Present Tense 	
	<ul style="list-style-type: none"> 5 . Activity(Our New Robot) 	
	<ul style="list-style-type: none"> 6 . Activity book 	
	<ul style="list-style-type: none"> 1 . Feluda Travel To Bombay (Mcb) 	
	<ul style="list-style-type: none"> 2 . The Land Of Story Books(Lit) 	
NOVEMBER	<ul style="list-style-type: none"> 3 . The Past Tense 	
	<ul style="list-style-type: none"> 4 . The Future Tense 	
	<ul style="list-style-type: none"> 5 . Message Writing 	
	<ul style="list-style-type: none"> 6 . Activity (Cousin Helen's Visit) 	
	<ul style="list-style-type: none"> 7 . Activity Book 	
	<ul style="list-style-type: none"> 1 . Mowgli Leaves The Jungle (Mcb) 	
	<ul style="list-style-type: none"> 2 . Adverbs 	
DECEMBER	<ul style="list-style-type: none"> 3 . Prepositions 	
	<ul style="list-style-type: none"> 4 . Story Writing 	
	<ul style="list-style-type: none"> 5 . Activity(The Eyes Have It) 	
	<ul style="list-style-type: none"> 6 . Activity Book 	
	<ul style="list-style-type: none"> 1 . Dandelion (Mcb) 	
	<ul style="list-style-type: none"> 2 . Alice in the Rabbit Hole(Lit) 	
	<ul style="list-style-type: none"> 3 . Conjunctions 	

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JANUARY	4	Words that often Confuse
	5	Story Writing
	6	Activity(Heidi and Peter)
	7	Activity Book
FEBRUARY	Revision	



SUBJECT- GENERAL SCIENCE

CLASS	4	Subject	General Science		
Name of the Text Book	General Science	Author	Kiran Ashok kumar	Publisher	S. Chand
No. of Units/Chapters given in the textbook		1 x / 11	No. of units/chapters deleted if any		Nil

Month & number of working days (as per planner)	Unit (Topics listed should be as per the order of the text book)	Sub theme	Key Concepts	Resources	Learning outcomes (specific as per guidelines)	Ac
April	Unit – I Plant Life	<ul style="list-style-type: none"> ➤ Food for plants ➤ Photosynthesis ➤ Adaptation in plants 	<ul style="list-style-type: none"> • Deferent of photosynthesis . • Tests for starch in leaves. (SI Test) • Uses of different plants. • Role of plants in regulating the environment. • Adaptations found in hydrophytes, xerophytes and mesophytes, evergreen deciduous plants etc. 	<ul style="list-style-type: none"> • Text Book of Class – X 	<ul style="list-style-type: none"> • Knowing the process of photosynthesis by green plants. • Knowing the types of produced by plants for them. • Understanding the role of plants in regulating various important aspects of life. 	1. 2
May	Unit – II	➤ Adaptations in	• Deferent of habitat	• Text book of	1. Getting acquainted	

	Animal life	animals. ➤ Reproduction in animals.	adaptation. • Classification of animals on the basis of their adaptations. (habitat).	Class – VIII	with different types of animals and their ability to reproduce 2. Making Collage. 3. Observing aquarium.	
June	Revision		<ul style="list-style-type: none"> • Effect of charges on habitat. • Names of some extinct animals. • Definition of reproduction. • Types of animals based on the type of reproduction. 		•	
July – Aug	Unit – III	Rock, soil and minerals.	<ul style="list-style-type: none"> • Life cycle of butterfly, frog • reproduction in different animals. • Studying the soil profile, importance and qualities of stop soil. • Definition of soil erosion, its causes and prevention. • Soil conservation with its methods. 	Text Book of Class – VII	<ul style="list-style-type: none"> • Group discussion on causes and methods of prevention of soil erosion. • Enabling them to know about their soil and the uses of it. • Knowing and recognizing different types of rocks. 	• •
Oct	Unit – IV Matter and its states.	<ol style="list-style-type: none"> 1. Definition of matter, vol., mass. 2. Different states of matter with their properties. 3. Methods to find the vol. of an object. 4. Different of solution solute and solvent. 5. Physical and chemical 	<ol style="list-style-type: none"> 1. Comparison of the properties of solids, liquids and gases. 2. Interchange ability of matter. 3. Physical and chemical changes with examples. 4. Examples of solutes, solvents and types of solutions. 	Text book of Class – VII	<ul style="list-style-type: none"> • Enabling them to know different types of changes occurring in nature and in their daily life. • Help them • Differentiate the physical and chemical changes. 	• •
Nov – Dec	Unit – V Air, water and weather.	<ol style="list-style-type: none"> 1. Role of sun in changing the weather. 2. Formation of land and sea breezes. 3. Process of evaporation, condensation, 	<ol style="list-style-type: none"> 1. Effect of sun on movement of air. 2. Causes of water pollution. 3. Methods of purification of water. 4. Pollution of air and water. 	Text book Class – IX	<ul style="list-style-type: none"> • Enabling them to know about the effects of pollution free air and water and their role in preventing the pollution of the same. • Knowing the 	• •

		<p>precipitation.</p> <p>4. Water table, water pollution, its effects and preventive measures.</p>			<p>characteristics of potable water.</p>	•
Jan	Unit – VI Our Universe	<p>1. To know the formation of our universe.</p> <p>2. Definition of planet, satellite, solar system, solar yr. etc.</p> <p>3. Occurrence of day and night, season changes it.</p> <p>4. Inner str. of earth.</p> <p>5. Effects of seasons on our environment.</p>	<p>1. Different types of stars.</p> <p>2. Life on earth</p> <p>3. Revolution, rotation and its effect on earth.</p> <p>4. Researching the solar system.</p>	Text book Class – X	<ul style="list-style-type: none"> • Preparing a chart on stars in descending order of distance from earth. (Ordering the solar system.) • Drawing the figure showing the position of earth as it revolves round the sun. 	•
Feb	Unit – VII The Human Body	<p>1. Importance of food.</p> <p>2. Definition of digestion.</p> <p>3. Process of digestion and its role in human body.</p> <p>4. Balanced diet with examples.</p> <p>5. Need for cooking food.</p> <p>6. Definition of microbes, Disease carrying microbes.</p>	<p>1. Types of food components with their effects on human body.</p> <p>2. Importance of H₂O.</p> <p>3. Some traditional methods of cooking food.</p> <p>4. Useful microbes and harmful microbes.</p>	Text book of Class – X	<ul style="list-style-type: none"> • Preparing a flow chart on the process of digestion in humans. • Preparing a chart on how to keep the food safe at home. 	•
Feb	Unit – VIII Work, Force and Energy.	<p>1. Definition of work, force and Energy.</p> <p>2. Importance of machines.</p> <p>3. Sun is source of energy.</p>	<p>1. Friction and use of friction in our daily life.</p> <p>2. Gravity, importance of gravity.</p> <p>3. Simple machines</p>	Text book of Class – X	<ul style="list-style-type: none"> • A project on harnessing energy from its different sources to combat the energy crisis. Or preparing a poster on it with a 	•

SUBJECT	HINDI STD - IV
PRESCRIBED TEXT BOOK	MEDHA AND BHASA ADHIGAM AUR VYAKRAN

		4. Different sources of energy. 5. Need of conservation of energy.	used in our daily life. 4. Energy flow. 5. Renewable and non-renewable sources of energy.		suitable caption.	
FEB	REVISION FOR FINAL TERM					

HINDI

MONTHS	NAME OF THE LESSON TO BE TAUGHT
OCTOBER	petner–Heep–12 Jeerj DeefYecev ³ eg ,13-efiinjer keÀemecegê , 14-veoerkeÀerDeelcekeÀLee (kesÀJeueHeefpleieDeebMekesÀefueS) Yee<eeDeefOeieceSJeb J ³ eekeÀjCe –Heep-9-efJeMes<eCe , 10 – ef-eÀ
NOVEMBER	petner–Heep–15 lesveeueerjecevekeÀer ®elegjeF& , 16- veereflekesÀ 18-SkeÀlee ceWyeuenw , 19-Òeefle%ee Yee<eeDeefOeieceSJeb J ³ eekeÀjCe –Heep– 11 – Jeeke ³ e ,12 –efJejece
DECEMBER	petner–Heep– 20 ûeec ³ e peerJeve , 21 - ®ebêMesKejDeepeo Yee<eeDeefOeieceSJeb J ³ eekeÀjCe –Heep -13-cegneJejs , DeHeefpleieDeebMe , Deveg®ísouesKeve
JANUARY	petner–Heep -22 jsue Yee<eeDeefOeieceSJeb J ³ eekeÀjCe–Heep -He\$euesKeve , ef®e\$eJeCe&
FEBRUARY	REVISION & EXAMINATION

Subject: Art & Craft

CLASS	4				
Name of the Text Book	Colours & Craft	Author	Kamal Jain	Publisher	Viva Education
No. of Units/Chapters given in the textbook		No. of units/chapters deleted if any	Nil		

Subject: Art & Craft

Month & No. of Working Days	Concepts	Theme/Sub Theme/Topic	Medium/Material	Activities/Processes	Out door	Chapter	No. of Periods for each unit
June – Aug	Elements of nature & manmade	➤ Tree, bird, tiger, lion, fruits, house, flower vase, buffer fly, bird's nest, whole, cat	Small dry leaves, suji, oil pastel, brown colour wool, ice cream stick pine tree twig, potato, rice, colour sketch pen. And fevicol.	✓ Book colouring, draw & Paint, craft from book		1-21	08+09
Sept	Composition	➤ Landscape with nature creature	Oil pastel.	Draw and paint			10
Oct-Dec	Human body parts, landscape	➤ Body parts, birthday decoration	Pencil – 2B, 4B, oil pastels, colour sketch pen, pencil colour beaten	Book colouring, colouring in drawing copy & cut & paste.	INTER SCHOOL COMPETATION	22-39	12

		landscap e, still life, flower, flower vase, Rangoli, forest, elephant	rice (chidwa) bitter gourd, sand paper, brush (Round) No -1, 3, 5				
Jan- Feb	Compositio ns of manmade & nature made	➤ Spray painting sand paper painting	Sand paper, old tooth brush, tempera colour oil pastel, black sketch pen. Brush (flat) No – 5	Topic book work			10