



ST NICHOLAS PUBLIC SCHOOL GARHBETA

CURRICULUM FOR SESSION-2024-25

CLASS-V

Subject: MATHEMATICS

CLASS	5				
Name of the Text Book	Exploring Mathematics	Author	Mrs. N. M. Parti (BSc, MA, Bed, DEM, DTTE) Mrs. Richa, D. Bhatia (BSc, Bed, MSc)	Publisher	
No. of Units/Chapters given in the textbook	15	No. of units/chapters deleted if any	Nil		

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"> ➤ Extension of number. ➤ Indian system of numeration ➤ International system of numeration ➤ Estimation ➤ Roman numerals. 	<ul style="list-style-type: none"> • Natural number, whole number, digit, period, place value • Expanded form of numbers. • Standard form of numbers • Successor and predecessor. • Ascending order and descending order. • Comparison of large numbers 	<ul style="list-style-type: none"> ✓ Place value chart (Indian, International). ✓ Blackboard Activity 	<ul style="list-style-type: none"> ✓ Text book ✓ Math steps 5 by Asit Das Gupta & Surya Bhusan Prasad. ✓ Internet. 	10
	Operations on whole numbers.	➤	<ul style="list-style-type: none"> • Addition of large numbers. • Subtraction of large numbers. • Multiplication • Facts of multiplication. 	<ul style="list-style-type: none"> ✓ Paper cut outs to add and subtract numbers. ✓ Blackboard Activity ✓ PowerPoint Presentation 	<ul style="list-style-type: none"> ✓ Text book ✓ Math steps 5 by Asit Das Gupta & Surya Bhusan Prasad. ✓ Internet. 	8
	Division	➤ Simplification	<ul style="list-style-type: none"> • Division is a repeated 	<ul style="list-style-type: none"> ✓ Blackboard Activity ✓ PowerPoint 	<ul style="list-style-type: none"> ✓ Text book ✓ Math 	7

			<p>subtraction</p> <ul style="list-style-type: none">• Framing of questions based on 4 operation.• Simplification when brackets are present.	Presentation	steps 5 by Asit Das Gupta & Surya Bhusan Prasad. ✓ Internet.	
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June- 12 days	Factors and multiples	➤	<ul style="list-style-type: none"> • Multiplies and factors • Various types of numbers • Divisibility test 	✓ Using number grid.	<ul style="list-style-type: none"> ✓ Text book ✓ Math steps 5 by Asit Das Gupta & Surya Bhusan Prasad. ✓ Internet. 	12
July 25 days	HCF and LCM	➤	<ul style="list-style-type: none"> • Highest common factor • Lowest common multiple. 	✓ Using number grid to find HCF & LCM of two and more numbers	<ul style="list-style-type: none"> ✓ Text book ✓ Math steps 5 by Asit Das Gupta & Surya Bhusan Prasad. ✓ Internet. 	13
	Number line	➤	<ul style="list-style-type: none"> • Integers • Challenge. 	✓ Paper cut outs to add and subtract integers	<ul style="list-style-type: none"> ✓ Text book ✓ Math steps 5 by Asit Das Gupta & Surya Bhusan Prasad. ✓ Internet. 	12
August 23 days	Fractions	<ul style="list-style-type: none"> ➤ Addition ➤ Subtraction. ➤ Multiplication 	<ul style="list-style-type: none"> • A fraction is a part of whole • Multiplicative inverse. 	<ul style="list-style-type: none"> ✓ PowerPoint Presentation ✓ Blackboard Activity 	<ul style="list-style-type: none"> ✓ Text book ✓ Math steps 5 by Asit Das Gupta & Surya Bhusan Prasad. ✓ Internet. 	11
	Decimals	<ul style="list-style-type: none"> ➤ Types of decimals ➤ Conversion of decimals ➤ Operation of decimal number. 	<ul style="list-style-type: none"> • Decimal place value chart • Like, unlike and equivalent • Conversion of decimal in to fraction. • Addition, subtraction multiplication, division. • Conversion of fraction in to decimals. 	<ul style="list-style-type: none"> ✓ Place value chart. ✓ Blackboard activity. ✓ PowerPoint Presentation. 	<ul style="list-style-type: none"> ✓ Text book ✓ Math steps 5 by Asit Das Gupta & Surya Bhusan Prasad. ✓ Internet. 	12
Sept.		Revision	REVISION FOR MID TERM			

Oct. – 21 days	Money	<ul style="list-style-type: none"> ➤ Profit ➤ Loss 	<ul style="list-style-type: none"> • Formula for finding profit and loss. • What is C.P? • What is S.P? 	✓ Giving sample real life examples.	<ul style="list-style-type: none"> ✓ Text book ✓ Math steps 5 by Asit Das Gupta & Surya Bhusan Prasad. ✓ Internet. 	21
Nov – 24 days	Measurements	<ul style="list-style-type: none"> ➤ Length ➤ Mass, ➤ Capacity ➤ Volume of a solid body. 	<ul style="list-style-type: none"> • Unit of length, mass, capacity. • Conversion of unit. • Volume of cube and cuboid. • Word problems. 	✓ Models cube and cuboid.	<ul style="list-style-type: none"> ✓ Text book ✓ Math steps 5 by Asit Das Gupta & Surya Bhusan Prasad. ✓ Internet. 	12
	Angles	<ul style="list-style-type: none"> ➤ Kinds of angles. 	<ul style="list-style-type: none"> • Rays • Interior and exterior of an angle. • Measurement of an angle with help of protectors. • Acute angle, obtuse angle, right angle, straight angle, reflex angle, Zero angle. 	✓ Different types of angles through tangram.	<ul style="list-style-type: none"> ✓ Text book ✓ Math steps 5 by Asit Das Gupta & Surya Bhusan Prasad. ✓ Internet. 	12
Dec – 22 days	Perimeter and area.	<ul style="list-style-type: none"> ➤ Perimeter of figure. 	<ul style="list-style-type: none"> • Perimeter of triangles, circle, rectangle, square • Area of rectangle, circle, square, triangle • Perimeter and area of irregular figures. 	✓ To measure the perimeter of any given polygon.	<ul style="list-style-type: none"> ✓ Text book ✓ Math steps 5 by Asit Das Gupta & Surya Bhusan Prasad. ✓ Internet. 	15
	Geometry.	<ul style="list-style-type: none"> ➤ Reflections and Rotations. 	<ul style="list-style-type: none"> • Reflection symmetry • Developing the concepts of cube, cuboid cylinder. 	<ul style="list-style-type: none"> ✓ Paper Folding. ✓ PowerPoint Presentation 	<ul style="list-style-type: none"> ✓ Text book ✓ Math steps 5 by Asit Das Gupta & Surya Bhusan Prasad. ✓ Internet. 	7
Jan – 25 days	Number patterns.	<ul style="list-style-type: none"> ➤ 	<ul style="list-style-type: none"> • What is number • Odd and even numbers. • Magic of adding odd numbers. 	✓ Using the number grid. Colours even number.	<ul style="list-style-type: none"> ✓ Text book ✓ Math steps 5 by Asit Das Gupta & Surya Bhusan Prasad. ✓ Internet. 	15
	Pictorial	<ul style="list-style-type: none"> ➤ Bar graph 	<ul style="list-style-type: none"> • Bar graph 	✓ Showing	<ul style="list-style-type: none"> ✓ Text book 	10

SUBJECT	HINDI STD - V
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	Representation of data.		<ul style="list-style-type: none"> • Representation of bar graph • Questions based on bar graph. 	different graphs of population of different states of India.	<ul style="list-style-type: none"> ✓ Math steps 5 by Asit Das Gupta & Surya Bhusan Prasad. ✓ Internet. 	
February		Revision	FINAL TERM			

SUBJECT –HINDI

PRESCRIBED TEXT BOOK	MEDHA AND BHASA ADHIGAM AUR VYAKRAN
MONTHS	NAME OF THE LESSON TO BE TAUGHT
OCTOBER	petner–Heep–12 ceerjeHeoeJeueer , 13 –YeeceeMeenkeÀe l³eeie 14- kebÀH³etij Yee<eeDeefOeieceSjeb J³eekeÀjCe –Heep 8– ef–eÀ³ee , 9- keÀeue
NOVEMBER	petner–Heep–15 nsuevekesÀuej (kesÀJeueHeæ{veskesÀefueS), 16- Dejceeve , 17 –nceejer peueJee³eg , 18- mel³eJeeoer nefjM®ebê Yee<eeDeefOeieceSjeb J³eekeÀjCe –Heep–10 DeefJekeÀejerMeyo ,
DECEMBER	petner–Heep–19 mJeeceerefJeJeskeÀevebo , 20 –DeesCece (kesÀJeueHeefpleieDeebMekesÀefueS) ,21- DebOesjveiejer (kesÀJeueHeæ{veskesÀefueS–veeikeÀieefleefJeefOe) Yee<eeDeefOeieceSjeb J³eekeÀjCe –Heep -11 Jeeke³e , 12 –efJejeceet
JANUARY	petner–Heep -22 Yetue ie³ee nw ke³eesb Fbmeeve Yee<eeDeefOeieceSjeb J³eekeÀjCe–Heep– 13 MeyoYeb[ej , 14 –cegr HeŞeuesKeve , Deveg®ísouesKeve , ef®eŞeJeCe&ve , DeHeefpleieDeeb
FEBRUARY	REVISION & EXAMINATION

SUBJECT ENGLISH

MONTH	CHAPTERS/TOPICS
APRIL	1 . Esio Trot(Mcb) 2 . Mowgli and the Bander-log (Mcb) 3 . The Sentence 4
MAY	. Subject and Predicate 5 . Paragraph Writing 6 . Activity(Train) 7 . Activity Book
JUNE	1 . You are Old, Father William (Mcb) 2 . Gulliver in Lilliput(Lit) 3 . The Noun 4 . Singular and Plural 5 . Activity (Lincoln's Letter To His Son's Teacher) 6 . Activity Book
	1 . The Bull (Mcb) 2 . At Sea With Uncle Ken(Lit)

<p style="text-align: center;">JULY</p>	<p>3 . Gender 4 . Adjectives 5 . Synonyms and Antonyms 6 . Activity(Do Yoga) 7 . Activity Book</p>
<p style="text-align: center;">AUGUST</p>	<p>1 . The Nose (Mcb) 2 . Don't be afraid of the Dark 3 . Articles 4 . Pronouns 5 . Letter Writing 6 . Activity(Travel) 7 . Activity Book</p>
<p style="text-align: center;">SEPTEMBER</p>	<p style="text-align: center;">Revision</p>
	<p>1 . The Vagabond (Mcb)</p>
	<p>2 . Three Questions(lit)</p>
<p style="text-align: center;">OCTOBER</p>	<p>3 . Verb</p>
	<p>4 . Tense</p>
	<p>5 . Activity(sour grapes)</p>
	<p>6 . Activity book</p>
	<p>1 . Seven Wonders Of The Ancient World (Mcb)</p>
	<p>2 . From a Railway Carriage(Lit)</p>
	<p>3 . Present Tense</p>
<p style="text-align: center;">NOVEMBER</p>	<p>4 . Past Tense</p>
	<p>5 . Common Grammatical Errors</p>
	<p>6 . Activity (The BFG)</p>
	<p>7 . Activity Book</p>

	1	Tom Loses A Tooth(Lit)
	2	Future Tense
DECEMBER	3	Adverbs
	4	Dairy Entry
	5	Activity(Topsy-Turvy Land)
	6	Activity Book
	1	The Refund (Mcb)
	2	The Lost Child(lit)
	3	Prepositions
JANUARY	4	Conjunctions
	5	Story Writing
	6	Activity(Tom Loses A Tooth)
	7	Activity Book
FEBRUARY		Revision

SUBJECT: GENERAL SCIENCE

CLASS	5				
Name of the Text Book	Inquisitive Science	Author	Kiran Ashok kumar	Publisher	S. Chand
No. of Units/Chapters given in the textbook	13	No. of units/chapters deleted if any			Nil

Month & No. of Working Days	Chapter	Theme/Sub Theme	Key Concepts	Resources
April	Plant Life	<ul style="list-style-type: none"> ➤ Life cycle of a plant ➤ Reproduction in plants ➤ Structure of seed. ➤ Dispersal of seeds ➤ Germination of seed. 	<ul style="list-style-type: none"> • Importance of vegetative propagation • Types of vegetative propagation • Study of various parts of a seed. • Dispersal of seeds by wind, water, animals & explosions. 	<ul style="list-style-type: none"> • Smart board • Flow chart • Different types of seeds

		➤ Agriculture	<ul style="list-style-type: none"> • Conditions for plant growth • Methods for better yield. 	
April	Animal Life	<ul style="list-style-type: none"> ➤ Habitat of Animals ➤ Breathing in Animals ➤ Food habit of Animals ➤ Locomotion in animals ➤ Migration in animals ➤ Body covering of animals ➤ Reproduction in animals ➤ Taking care of young ones. 	<ul style="list-style-type: none"> • Land animals, Water animals • Organs involved in breathing of animals • Lungs, Gills, Spiracles, Skin, body surface etc. • Classification of animals on food habits – herbivores, carnivores, omnivores, decomposers, scavengers. • Locomotion in human beings, birds, Insects, Reptiles, aquatic animals, mammals, etc. • Migration of birds, fishes and mammals. • Types of reproduction • Mode and method of reproduction in birds, reptiles, amphibians, insects, etc 	<ul style="list-style-type: none"> • Smart board • Work sheet • Diagram of human respiratory system • Chart on the life cycle of a butterfly.
May – June	Our Environment	<ul style="list-style-type: none"> ➤ Environment ➤ Natural resources ➤ Pollution ➤ Effects of pollution ➤ Steps taken to control pollution 	<ul style="list-style-type: none"> • Components of environment • Conservation of natural resources • Types of pollution • Causes, Sources, Effects of air, water, land, noise and radiation pollution. 	<ul style="list-style-type: none"> • Different news paper reports and magazines demonstrating pollution
June-July	Inter dependence in nature	<ul style="list-style-type: none"> ➤ Ecosystem ➤ Dependence on abiotic factor ➤ Dependence for food ➤ Inter-dependence of biotic factors 	<ul style="list-style-type: none"> • Components, animals living in an ecosystem. • Dependence on air, water, soil, sunlight, etc. • Producers, Consumers – their types, decomposers, etc. • Dependence of animals on plants • Dependence of plants on animals • Dependence of human beings on both plants & animals. 	<ul style="list-style-type: none"> • Different slides sitting examples of various food chains.
July	Natural Calamities	<ul style="list-style-type: none"> ➤ Calamities ➤ Consequences of natural disasters ➤ Natural disaster management 	<ul style="list-style-type: none"> • Earthquake, Volcano, Tsunami, Land slides, Cyclones and floods, Drought, etc. • Loss of life, property, disruption of life, out break of epidemics, emotional trauma, etc. • Steps to be taken during a natural calamity, etc. 	<ul style="list-style-type: none"> • Smart board
July	Air and water	<ul style="list-style-type: none"> ➤ Atmosphere ➤ Composition of air ➤ Properties of air 	<ul style="list-style-type: none"> • Layers of atmosphere : troposphere, stratosphere, mesosphere, thermosphere • Importance of Atmosphere • Oxygen, Nitrogen, Carbondioxide, moisture, etc • Air occupies space 	<ul style="list-style-type: none"> • Smart board

	Air and water	<ul style="list-style-type: none"> ➤ Water – a universal solvent ➤ Purification of drinking water 	<ul style="list-style-type: none"> • Removal of Insoluble Impurities: Sedimentation & decantation, filtration • Removal of Soluble Impurities: Evaporation, Distillation • Process involved in purification of drinking water 	<ul style="list-style-type: none"> • Smart board
August	Rocks, soil and minerals	<ul style="list-style-type: none"> ➤ Rock family ➤ Rock cycle ➤ Natural resources ➤ Minerals and its uses 	<ul style="list-style-type: none"> • Sedimentary rocks, metamorphic rocks, Igneous rocks, etc. • Characteristics of sedimentary and metamorphic rocks. • Formation of soil composition of soil • Soil profile • Uses of coal and petroleum 	<ul style="list-style-type: none"> • Smart board
August September	Our Universe	<ul style="list-style-type: none"> ➤ The solar system ➤ The Earth ➤ The moon ➤ Eclipses ➤ Artificial Satellite 	<ul style="list-style-type: none"> • Components : the sun, the planets, etc. • Layers of earth's crust : core, mantle, crust • Surface of moon, phases of moon • Formation of tides • Solar eclipse • Lunar eclipse <p style="text-align: center;">REVISION FOR MID TERM</p>	<ul style="list-style-type: none"> • Smart board
October	Organ System	<ul style="list-style-type: none"> ➤ Organisation of living world. ➤ Digestive System ➤ Respiratory System ➤ Circulatory System ➤ Skeletal System ➤ Muscular System ➤ Excretory System 	<ul style="list-style-type: none"> • Organs involved in the digestive system in humans • Organs involved and the respiratory system in humans • Nervous system • Structure of human skeleton • Parts of urinary system 	<ul style="list-style-type: none"> • Smart board • Model of human skeleton
October – November	Microbes and Diseases	<ul style="list-style-type: none"> ➤ Diseases ➤ Types of microbes ➤ Spreading of communicable disease ➤ Prevention of communicable disease ➤ Prevention of communicable disease ➤ Vaccination 	<ul style="list-style-type: none"> • Communicable diseases • Non-communicable diseases • Bacteria, Fungi, Protozoa, Virus • By direct contact, through air, through insect bite through wounds & cuts, etc • Prevention of diseases by, direct contact, by food, etc. 	<ul style="list-style-type: none"> • Smart board
November	Safety and first aid	<ul style="list-style-type: none"> ➤ Accidents ➤ First aid 	<ul style="list-style-type: none"> • Accidents due to fire • Prevention of fire • First aid for burns, minor wounds, deep wounds • For insect sting, for snake bites, sprains & fractures 	<ul style="list-style-type: none"> • Smart board
November	Matter and Materials	<ul style="list-style-type: none"> ➤ Matter ➤ Changes of state 	<ul style="list-style-type: none"> • States of matter • Properties 	<ul style="list-style-type: none"> • Smart board

			<ul style="list-style-type: none"> Types of changes physical & chemical change 	
December January	Simple machines	<ul style="list-style-type: none"> Work and energy Force Types of energy Simple machine Lever Pulley Inclined plane Wedge Screw 	<ul style="list-style-type: none"> Types of forces – contact, frictional, applied, electrical magnetic, etc Kinetic, potential, heat light, electrical, sound energy, etc Class 1, class 2 and class 3 lever Load, fulcrum, effect 	<ul style="list-style-type: none"> Smart board
Feb	REVISION FOR FINAL TERM			

Subject: Art & Craft

CLASS	5				
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	Shape & form, geometric form	<ul style="list-style-type: none"> Tree, bird, tiger, lion, fruits, house, flower vase, butterfly, bird's nest, whole, cat 	Oil pastel, watercolour, paper plate, ice cream stick, drawing sheet pen knife, pencil-2B, 4B	<ul style="list-style-type: none"> Book craft & colouring 		1-19	08+09
Sept	Revision						
Oct-Dec	3D model, printing	<ul style="list-style-type: none"> Leaf prints Dove, flower, house, jockey, thread painting 	Pencil – 2B, 4B, oil pastels, colour sketch pen, pencil colour beaten rice (chidwa) bitter gourd, sand paper, brush (Round) No - 1, 3, 5	Model making book colouring & craft making	INTER SCHOOL COMPETITION	20-37	12
Jan-Feb	Human figure animal & life	<ul style="list-style-type: none"> Portrait of Sivaji, tiger forest, composition 	Sand paper, old tooth brush, tempera colour oil pastel, black sketch pen. Brush (flat) No	Learn water colour painting	Outdoor study in school campus	38-42	10

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