

MATH

CURRICULUM: GRADE IV (2023-24) MATHEMATICS

TEXTBOOK REFERENCE – MATH XPRESS BY MACMILLAN EDUCATION

CYCLE	CYCLE DATES	TOPIC(S)	LEARNING OUTCOMES
I	5 th April '23 – 28 th April '23	CHAPTER 1: LARGE NUMBERS <ul style="list-style-type: none"> • 5-digit numbers & 6-digit numbers • Place Value • Short form & Expanded form • Comparing & Forming numbers • Successor & Predecessor • Rounding Numbers • Roman Numbers 	Learners will be able to <ul style="list-style-type: none"> • Understand Indian Number System (5-digit and 6-digit). • Learn successor and predecessor of different numbers. • Understand the importance of number system and relate it to day-to-day activities. • Know the expanded form and short form of a number. • Form and compare new numbers.
II	1 st May '23 – 26 th May '23	CHAPTER 2: ADDITION <ul style="list-style-type: none"> • Addition with and without regrouping • Word Problems CHAPTER 2: SUBTRACTION <ul style="list-style-type: none"> • Subtraction with and without regrouping • Word Problems 	<ul style="list-style-type: none"> • Demonstrate an understanding of numerical operation. • Comprehend addition without and with regrouping. • Explain and apply the properties of addition. • Understand the key words of addition. • Apply the skill of addition to everyday problems.
III	3 rd July '23 – 31 st July '23	CHAPTER 3: MULTIPLICATION <ul style="list-style-type: none"> • Properties of Multiplication • Multiplying with 10,100 & 1000 • Multiplying 3-digit and 4-digit numbers • Word Problems 	<ul style="list-style-type: none"> • Demonstrate understanding of numerical operations in a variety of contexts by applying appropriate strategies and solving multiplication problems. • Apply operations of numbers in daily life. • Develop fluency in multiplying multi-digit numbers. • Understand the terms involved in multiplication. • State the properties of multiplication.

IV	1st August '23 – 31st August '23	• CHAPTER 4: DIVISION <ul style="list-style-type: none"> • Properties of Division • Dividing with 10,100 & 1000 • Dividing 3-digit and 4-digit numbers • Word Problems 	<ul style="list-style-type: none"> • Divide up to 4-digit numbers by 1 or 2 digit-number. • Divide by 10, 100 and 1000 by observing pattern. • Develop analytical approach and problem-solving ability. • Apply the skill of division to everyday problems. • State the properties of division.
V	1st September '23 – 29th September '23	• CHAPTER 5: FACTORS AND MULTIPLES <ul style="list-style-type: none"> • Factors • Highest Common Factor • Prime & Composite Numbers • Multiples • Least Common Multiple • Divisibility Rules 	<ul style="list-style-type: none"> • Find factors and multiples of the given numbers. • Understand the properties of factors and multiples. • Apply the rules of divisibility. • Understand prime, composite, even and odd numbers. • Understand the meaning of prime factorisation and do it by using division method and factor tree method and evaluate HCF and LCM and its application in real life
VI	3rd October '23 - 31st October '23	• CHAPTER 6: FRACTIONS <ul style="list-style-type: none"> • Representing Fractions • Types of Fraction & its comparison • Addition & Subtraction of Like Fractions. 	<ul style="list-style-type: none"> • Define equivalent fractions. • Simplify a fraction to its lowest terms. • Compare like fractions. • Convert improper fraction to mixed and vice versa. • Add and subtract like fractions.
VII	2nd November '23 – 30th November '23	• CHAPTER 7 & 8: THE WORLD OF SHAPES, PATTERNS & SYMMETRY <ul style="list-style-type: none"> • Line, Line Segment, Ray • Types of Polygons • 2D Shapes & 3D Shapes • Patterns, Symmetry and Tessellation • CHAPTER 9: METRIC MEASURES <ul style="list-style-type: none"> • Measurement of Length, Weight & Capacity • Conversions of Units 	<ul style="list-style-type: none"> • Identify and draw lines of symmetry for given shapes. • Create patterns using given shapes and to find patterns around us. • Tell if the figure is symmetrical or not • Understand terms like tessellations, coding and decoding. • Revisit the previously learnt concept of measurement. • Understand the conversion process of measurement. • Select appropriate tools and units for a length, weight and capacity being measured. • Acquaint them with the terms of metric measurement.

		<ul style="list-style-type: none"> • Addition & Subtraction 	
VIII	1st December '23 - 29th December '23	CHAPTER 10: AREA AND PERIMETER <ul style="list-style-type: none"> • Finding Perimeter of Square & Rectangle • Finding Area of Square & Rectangle 	<ul style="list-style-type: none"> • Understand the meaning of perimeter and area. • Find area and perimeter of a square and rectangle. • Understand to measure the dimension of a closed plane figure. • Find area by counting squares. • Apply the concept in real life situations.
IX	15th January '24 - 31st January '24	CHAPTER 11: TIME <ul style="list-style-type: none"> • Reading time to exact minute • 12-Hour Clock & 24-Hour Clock 	<ul style="list-style-type: none"> • Read the time to exact minute. • Write the time in a.m. and p.m. and convert time from one unit to another • Convert the time from 24-hour clock to 12-hour clock and vice versa. • Apply the learnt concept in daily life.
X	1st February '24 - 29th February '24	CHAPTER 12: MONEY <ul style="list-style-type: none"> • Conversion of Rupees into paise and vice versa • Addition & Subtraction of Money CHAPTER 13: DATA HANDLING <ul style="list-style-type: none"> • Pie Charts • Bar Graphs 	<ul style="list-style-type: none"> • Recapitulate the previously learnt terms and concept of money. • Understand the importance of money. • Solve questions based on real life application of money. • Understand denominations and currency used in different parts of the world. • Use the questionnaire and survey to produce and interpret data as well as to broaden knowledge on quantitative aspects. • Conduct a survey. • Understand the terms like bar graphs & pictographs. • Draw a pictograph. • Represent data on bar graphs

ENGLISH

ENGLISH

TEXTBOOK REFERENCE: ENRICHING ENGLISH TEXTBOOK BY COLLINS

SUPPLEMENTARY READER: THE STUPENDOUS TIMETELLING SUPERDOG

BY HIMANJALI SANKAR

CYCLE	CYCLE DATES	TOPICS	LEARNING OUTCOMES
TERM I			
I	5th April '23 - 28th April '23	<ul style="list-style-type: none"> • Comprehension Competence • Prose: Robin Hood Tricks the Sheriff • Picture Description 	<p>Learners will be able to</p> <ul style="list-style-type: none"> • Comprehend facts explicitly stated in the text. • Appreciate Folk Tales • Observe and describe details in a picture.
II	1st May '23 - 26th May '23	<ul style="list-style-type: none"> • Comprehension Competence • Poetry: Land of Glories • Grammar: Nouns (Abstract, Concrete) • Grammar: Countable and Uncountable Nouns 	<ul style="list-style-type: none"> • Reinforce vocabulary • Recapitulate concepts of nouns, verbs, pronouns • Appreciate the glory of our country-India. • Identify and differentiate between Abstract and Concrete nouns. • Identify and differentiate between Countable and Uncountable nouns.
III	3rd July '23 - 31st July '23	<ul style="list-style-type: none"> • Comprehension Competence • Diary Writing • Grammar: Verbs- Action, Helping 	<ul style="list-style-type: none"> • Strengthen concept of nouns • Appreciate the need of Diary Writing and express feelings freely while following the correct diary format. • Differentiate between Action and Helping verbs.
IV	1st August '23 - 30th August '23	<ul style="list-style-type: none"> • Comprehension Competence • Grammar: Subject and Predicate • Grammar: Tenses – Simple (Past, Present and Future) 	<ul style="list-style-type: none"> • Reinforce the types of verbs. • Recognize the Subject and Predicate in sentences • Identify and change the tense of verbs in the Simple tense.
V	4th September '23 - 29th September '23	<ul style="list-style-type: none"> • Comprehension Competence • Poetry: Gul in Space • Informal Letter 	<ul style="list-style-type: none"> • Apply the knowledge of tenses to a given text • Enjoy reading about space travel through poetry • Appreciate the need of informal letters and follow the correct format for writing.

TERM II

VI	3rd October '23 - 31st October '23	<ul style="list-style-type: none"> • Comprehension Competence • Prose: The Wealthy Miser • Grammar: Punctuation (apostrophe) • Grammar: Adjectives- order and kinds • Message Writing 	<ul style="list-style-type: none"> • Revisit and reinforce Tenses. • Differentiate between play and a prose. • Identify and apply correct punctuation marks to text. • Follow the correct order of various kinds of adjectives. • Write messages appropriately.
VII	2nd November '23 - 30th November '23	<ul style="list-style-type: none"> • Comprehension Competence • Poetry: Trains • Grammar: Articles- Definite and Indefinite (Recap) 	<ul style="list-style-type: none"> • Reinforce the usage of punctuations in written text. • Appreciate enhancement of knowledge of trains through poetry. • Recapitulate the identification and use of articles- Definite and Indefinite.
VIII	1st December '23 - 29th December '23	<ul style="list-style-type: none"> • Comprehension Competence • Prose: Around the World with a Chilli • Grammar: Subject Verb Agreement 	<ul style="list-style-type: none"> • Reinforce the concepts of articles and adjectives. • Differentiate between Prose and Poetry. • Understand about Globalization and how it began. • Identify and follow the rules of Subject-Verb Agreement in sentence construction.
IX	15th January '24 - 31st January '24	<ul style="list-style-type: none"> • Comprehension Competence • Grammar: Prepositions 	<ul style="list-style-type: none"> • Reinforce the rules of Subject-Verb Agreement. • Identify and classify the different types of prepositions
X	1st February '24 - 29th February '24	<ul style="list-style-type: none"> • Comprehension Competence • Prose: Earrings for Nina • Revision 	<ul style="list-style-type: none"> • Reinforce the concepts of nouns, adjectives, prepositions • Sensitize learners about specially-abled people. • Appreciate the theme – Good wins over evil. • Revision through sample papers

EVS			
TEXTBOOK REFERENCE– EMPOWERING ENVIRONMENTAL STUDIES BY RISING SUN			
CYCLE	CYCLE DATES	TOPICS	LEARNING OUTCOMES
TERM I			
I	5 th April '23 – 28 th April '23	Chapter 7: Mapping Our Neighbourhood	Learners will be able to: <ul style="list-style-type: none"> • Differentiate between a sketch and a map • Analyse and understand the use of various symbols and colours in a map legend • Develop an understanding of types of maps
II	1 st May '23 – 26 th May '23	Chapter 8: Our Country	<ul style="list-style-type: none"> • Understand the physical divisions of India • Differentiate between political and physical divisions • Learn about Fundamental rights and Fundamental duties
III	3 rd July '23 – 31 st July '23	Chapter 6: Houses Then and Now	<ul style="list-style-type: none"> • Describe the factors that determine the construction of a house • Compare and contrast between houses in the past and present • Learn about different types of houses
IV	1 st August '23 – 31 st August '23	Chapter 11: Bridges and Buildings Chapter 13: Tongue and Teeth	<ul style="list-style-type: none"> • Understand the process of construction • Describe the steps in brick manufacturing • Learn about different types of bridges • Differentiate between temporary and permanent teeth • Describe the role of tongue in digestion
V	4 th September '23 – 29 th September '23	Chapter 13: Tongue and Teeth (contd.) Chapter 14: Types of Plants	<ul style="list-style-type: none"> • Learn about important trees in our neighbourhood • Differentiate between domestic and roadside plants • Learn about the lives of tribals living in the forests
TERM II			
VI	3 rd October'23 - 31 st October'23	Chapter 14: Types of Plants (contd.) Chapter 15: Roots	<ul style="list-style-type: none"> • Learn about important trees in our neighbourhood • Differentiate between domestic and roadside plants • Learn about the lives of tribals living in the forests • Gain knowledge about types of plant roots
VII	2 nd November'23 – 30 th November'23	Chapter 15: Roots	<ul style="list-style-type: none"> • Learn about various types of crops grown by the farmers • Describe the stages in farming

		Chapter 17: Who Grows Our Food	<ul style="list-style-type: none"> • Understand about the journey of food from the farm to our plates
VIII	1 st December'23 - 29 th December'23	Chapter 18: Animal World	<ul style="list-style-type: none"> • Differentiate between shy and friendly animals • Describe the process of honey-making by the bees • Learn about the process of reproduction in animals
IX	15 th January '24 - 31 st January'24	Chapter 21: Sources of Water	<ul style="list-style-type: none"> • Learn about sources of water • Describe the process of evaporation • Gain an insight on the generation of hydroelectricity
X	1 st February '24 - 29 th February'24	Chapter 22- Water pollution	<ul style="list-style-type: none"> • Differentiate between soluble and insoluble impurities in water • Describe the process of filtration • Learn about various ways to purify water

COMP. APPL.

COMPUTER APPLICATIONS

TEXT BOOK REFERENCE –CYBER QUEST

CYCLE	CYCLE DATES	TOPICS	LEARNING OUTCOMES
I	5 th Apr'23 - 28 th Apr'23	Ch 1: Memory and Storage Introduction about Computer Memory, Storage devices, Bits and bytes, Internal Memory, External Memory	<ul style="list-style-type: none"> • About different types of internal and external memory • State the different memory units • List the primary and secondary data storage devices
II	1 st May'23 - 26 th May'23	Ch 2: Working with Files and Folders Features of Windows 10, Starting Windows, This PC folder, File Explorer, Context menu, files and folders, Shortcut Icon	<ul style="list-style-type: none"> • Features of Windows 10 • PC folder and File Explorer, Context menu, Shortcut icon • Creating, Saving, Opening and Renaming a File/Folder • Using context menu • Use of shortcut Icons
III	3 rd July'23 - 31 st July'23	Ch 4: More Features of Word Copy formatting to another selection, Find and Replace text, Page formatting, Page properties, preview and printing a document	<ul style="list-style-type: none"> • Copy formatting to another selection • Find & replace the text • Work on page Formatting: Header, Footer, Paragraph spacing, Line spacing, column break, tabs, Indenting Text • Know about Page Properties: Margins, Paper Orientation, Paper Size • Print Preview option and printing a document

IV	1 st Aug'23 - 31 st Aug'23	Ch 5: Working with Styles and Objects Built-in Styles, creating new style, Adding Text box, Adding Screenshots, Inserting Text box and Smart Art.	<ul style="list-style-type: none"> • Styles and its types • Creating a new style. • Adding a text box. • Inserting symbols, special characters, and pictures • Adding screenshot in a document • Adding icons, 3D models • Inserting WordArt
V	4 th Sept'23 - 29 th Sept'23	Ch 6: More on Scratch Starting, moving a Sprite, Drawing, Saving, Opening, Repeat Action and Adding Sound.	<ul style="list-style-type: none"> • The features of Scratch
VI	3 rd Oct'23 - 31 st Oct'23	Ch 6: More on Scratch Features, Components of Scratch, adding new Sprite, Working with Two Sprites.	<ul style="list-style-type: none"> • The components of Scratch • Adding a New Sprite • Changing the Backdrop of the Stage
VII	2 nd Nov'23 - 30 th Nov'23	Ch 6: More on Scratch Sprite Position and rotation, Changing Pen Shade, Backdrop of stage and playing the instrument	<ul style="list-style-type: none"> • Sprite position, Rotation style, pen shade and Sound block • Play an instrument • Working with two sprites
VIII	1 st Dec'23 - 29 th Dec'23	Ch 7: Introduction to PowerPoint Exploring various tools and features, creating a Presentation, Slideshow, Saving and Closing a presentation	<ul style="list-style-type: none"> • About creating Slide and Presentation • Components of PowerPoint • Creating a new presentation: blank and using templates • Closing and exiting a Presentation • Opening and Running a Presentation • Run a slide show
IX	15 th Jan'24 - 31 st Jan'24	Ch 8 Working with Slides Inserting and deleting slides, Formatting text, Formatting Text in a slide, inserting object, Rotating and resizing pictures and shapes	<ul style="list-style-type: none"> • Adding and deleting a slide • Formatting text in a Slide: Font Style, Font Size, Font Case, Alignment, Bulleted list • Indents and Format Painter. • Inserting Objects in a Slide: Word Art, Text Box, Pictures and Shapes. • Rotating a picture, Shape, Text or Object • Insert 3D models
X	1 st Feb'24 - 29 th Feb'24	Ch 9: Browsing the Internet Uses of Internet, Basic requirements for an internet connection, Internet terms, Search Engines E-Mail and using a web browser	<ul style="list-style-type: none"> • Internet and its uses • Basic requirements for an Internet Connection • Internet Terms: Website, Webpage, Web browser, URL, ISP, WWW etc. • Using a web-browser to access the webpage.

FOREIGN LANGUAGES

GERMAN

BOOK – DEUTSCH UND ICH

CYCLE	CYCLE DATES	TOPICS	LEARNING OUTCOMES
TERM I			
I	5 th April '23 – 28 th April '23	Einleitung Lektion 1: Hallo, Begrüßung, Buchstaben, Zahlen	<ul style="list-style-type: none"> • Learn about basic geographical facts about Germany • Introduce themselves in German
II	1 st May '23 – 26 th May '23	Lektion 2: Mein Geburtstag Alter, Pronomen und Verben (sein und haben)	<ul style="list-style-type: none"> • Talk about their birthday (date, month, age etc) • Identify helping verbs in a sentence and conjugate the same
III	3 rd July '23 – 31 st July '23	Lektion 3: Schule und schulsachen, Artikel, Vorstellung	<ul style="list-style-type: none"> • Identify articles based on genders • name various stationery items • indulge in basic conversation with friends
IV	1 st August '23 – 30 th August '23	Lektion 4: Wer ist das? Negation, Konjunktionen, Schreiben und Lesen	<ul style="list-style-type: none"> • Name different helpers • Talk about work people do • Conjugate regular verbs
TERM II			
V	1 st September '23 - 29 th September '23	Wiederholung	Revise the topics covered so far
VI	3 rd October '23 – 31 st October '23	Lektion 5: Mein Haus, Länder und Flaggen, Haustypen	<ul style="list-style-type: none"> • Talk about different houses in a room • Identify names and flags of different countries
VII	2 nd November '23 – 30 th November '23	Lektion 6: Farben, Hören	<ul style="list-style-type: none"> • Name different colours in German • Enjoy poem-making using colour • Hear and identify small German phrases
VIII	1 st December '23 – 29 th December '23	Lektion 7: Hast Du Ein Hobby?, sprechen	<ul style="list-style-type: none"> • Identify different hobbies and Talk about their own
IX	15 th January '24 -30 th January '24	Lektion 8: Körperteile, Regelmäßige Und Unregelmäßige Verben	<ul style="list-style-type: none"> • Name different body parts and know their plural as well • Conjugate different regular verbs
X	1 st February '24 -29 th February '24	Wiederholung	Revise the topics covered so far.

FRENCH			
BOOK – MON PASSPORT- 0			
CYCLE	CYCLE DATES	TOPICS	LEARNING OUTCOMES
TERM I			
I	5 th April '23 – 28 th April '23	Leçon-1 : La France Leçon-2 : L'alphabet	<ul style="list-style-type: none"> • Learn basic geographical facts about France. • Recognize and understand the pronunciation of the French alphabet.
II	1 st May '23 – 26 th May '23	Leçon-3 : Je m'appelle Leçon-4 : Bonjour	<ul style="list-style-type: none"> • Introduce themselves In the French language.
III	3 rd July '23 – 31 st July '23	Leçon-5: Je compte	<ul style="list-style-type: none"> • Gain knowledge of numbers and their pronunciation in the French language.
IV	1 st August '23 – 30 th August '23	Leçon-6 : Les jours et les mois	<ul style="list-style-type: none"> • Learn the days of the week and months of the year in French
TERM II			
V	1 st September '23 - 29 th September '23	Leçon-6 : Les jours et les mois Leçon-7 : Les objets de la classe	<ul style="list-style-type: none"> • Analyse indefinite articles • Name different colours in French
VI	3 rd October '23 – 31 st October '23	Leçon-7 : Les objets de la classe Leçon-8 : Les fruits et les légumes	<ul style="list-style-type: none"> • Identify names of fruits and vegetables.
VII	2 nd November '23 – 30 th November '23	Leçon-8 : Les fruits et les légumes Leçon-9: Les pronoms sujets	<ul style="list-style-type: none"> • Learn the subject pronouns • To know the conjugation of verb être. • To know the adjectives.
VIII	1 st December '23 – 29 th December '23	Leçon-9 : Les pronoms sujets Leçon-10 : Présentez - vous	<ul style="list-style-type: none"> • Introduce themselves in the French language
IX	15 th January '24 - 30 th January '24	Leçon-10 : Présentez - vous La pratique de la grammaire (La révision)	<ul style="list-style-type: none"> • Revise the topics covered so far.
X	1 st February '24 -29 th February '24	La revision	The revision

SPANISH			
BOOK – Los Alfabetos, Los Alfabetos +			
CYCLE	CYCLE DATES	TOPICS	LEARNING OUTCOMES
TERM I			
I	5 th Apr'23 – 28 th Apr'23	Lección 0: La introducción al Español Lección 1: El abecedario	<ul style="list-style-type: none"> • Learn how to introduce oneself in Spanish • Learn the Spanish Alphabet
II	1 st May'23 – 26 th May'23	Lección 2: Los saludos Lección 3: Los números (1-20)	<ul style="list-style-type: none"> • Learn how to ask about name, age and nationality in Spanish. • Learn how to count from 1 to 20 in Spanish.
III	3 rd July'23 – 31 st July'23	Lección 4: Los días, los meses y las estaciones. Lección 2(Los Alfabetos +): Los artículos	<ul style="list-style-type: none"> • Learn days, months and seasons in Spanish. • Learn to identify the gender of nouns in Spanish. • Learn definite and indefinite articles.
IV	1 st Aug'23 – 30 th Aug'23	Lección 5: Los colores	<ul style="list-style-type: none"> • Learn about colours in Spanish. • Understand how adjectives change with gender.
TERM II			
V	1 st Sep'23 - 29 th Sep'23	Lección 6: La familia Lección 7: Los números (20-100)	<ul style="list-style-type: none"> • Learn what to call family members in Spanish. • Learn to count from 20 to 100 in Spanish.
VI	3 rd Oct'23 – 31 st Oct'23	Lección 8: La Ropa Lección 9: El cuerpo	<ul style="list-style-type: none"> • Learn what to call clothing items in Spanish. • Learn the names of body parts in Spanish.
VII	2 nd Nov'23 – 30 th Nov'23	Lección 10: Los animales Lección 11: Las frutas y verduras	<ul style="list-style-type: none"> • Learn the names of animals in Spanish • Learn fruits and vegetables in Spanish.
VIII	1 st Dec'23 – 29 th Dec'23	Lección 3(Los Alfabetos +): Los pronombres personales.	<ul style="list-style-type: none"> • Learn Spanish personal pronouns.
IX	15 th Jan'24 -30 th Jan'24	Lección 4 (Los Alfabetos +): El verbo Ser	<ul style="list-style-type: none"> • Learn the meaning, use and conjugations of the verb Ser. • Learn adjectives in Spanish.
X	1 st Feb'24 -29 th Feb'24	Repaso	

SANSKRIT

पुस्तकौ :- 1. सुबोध संस्कृत माला - संपादक: - संस्कृति प्रकाशन एस. चंद एण्ड कम्पनी लि.
 2. सुबोध संस्कृत व्याकरण माला - संपादक: - संस्कृति प्रकाशन एस. चंद एण्ड कम्पनी लि.

क्र. सं.	दिनांक	उपविषय	सीखने के प्रतिफल
I	5 अप्रैल '23 - 28 अप्रैल '23	<ul style="list-style-type: none"> व्याकरण-भाषाविचार (संस्कृतभाषा, लिपि, व्याकरण) वचन (एकवचन, द्विवचन, बहुवचन) लिङ्ग (पुल्लिङ्ग, स्त्रीलिङ्ग, नपुंसकलिङ्ग) 	<ul style="list-style-type: none"> छात्र संस्कृतभाषा से परिचित होंगे। छात्र संस्कृत में वचन तथा लिङ्ग के तीनों वचनों को जानेंगे।
II	1 मई '23 - 26 मई '23	<ul style="list-style-type: none"> व्याकरण- वर्ण ज्ञान (वर्णों के प्रकार- (i) स्वर (ii) व्यंजन हलन्त चिह्न , अयोगवाह , संयुक्त व्यंजन , वर्ण-विन्यास) व्याकरण-शब्द विचार-शब्द परिचय(अकारान्त-पुल्लिङ्ग, आकारान्त स्त्रीलिङ्ग, अकारान्त एवं हलन्तात् नपुंसकलिङ्ग) व्याकरण- गणना (एक से दस) 	<ul style="list-style-type: none"> छात्र संस्कृत वर्णमाला से परिचित होकर वर्ण-विच्छेद तथा वर्ण-संयोग करना सीखेंगे। छात्र संस्कृत के पुल्लिङ्ग, स्त्रीलिङ्ग तथा नपुंसकलिङ्ग शब्दों से परिचित होंगे। छात्रों के शब्द-भंडार में वृद्धि होगी।
III	3 जुलाई '23 - 31 जुलाई '23	<ul style="list-style-type: none"> प्रथम: पाठ: -अकारान्त पुल्लिङ्ग(प्रथम पुरुष- एकवचन) द्वितीय पाठ: -अकारान्त पुल्लिङ्ग(प्रथम पुरुष द्विवचन) व्याकरण- संस्कृत में शरीर के अंगों के नाम 	<ul style="list-style-type: none"> छात्र प्रथम पुरुष (पुल्लिङ्ग) के एकवचन तथा द्विवचन रूपों से परिचित होकर उनका प्रयोग करना सीखेंगे। छात्रों के शब्द-भंडार में वृद्धि होगी।
IV	1 अगस्त '23 - 30 अगस्त '23	<ul style="list-style-type: none"> तृतीय: पाठ: -अकारान्त पुल्लिङ्ग(प्रथम पुरुष- बहुवचन) चतुर्थ: पाठ: -आकारान्त स्त्रीलिङ्ग(प्रथम पुरुष एकवचन) पञ्चम: पाठ: -आकारान्त स्त्रीलिङ्ग(प्रथम पुरुष द्विवचन) 	<ul style="list-style-type: none"> छात्र प्रथम पुरुष (पुल्लिङ्ग) बहुवचन रूप से परिचित होकर उसका प्रयोग करना सीखेंगे। छात्र प्रथम पुरुष (स्त्रीलिङ्ग) के एकवचन तथा द्विवचन रूपों से परिचित होकर उनका प्रयोग करना सीखेंगे।

V	1 सितंबर '23 - 29 सितंबर '23	<ul style="list-style-type: none"> षष्ठः पाठः -आकारान्त स्त्रीलिङ्ग(प्रथम पुरुष-बहुवचन) सप्तमः पाठः -त्वम्(मध्यम पुरुष-एकवचन) व्याकरणं- पशूनाम् नामानि पक्षिणाम् नामानि च 	<ul style="list-style-type: none"> छात्र प्रथम पुरुष (स्त्रीलिङ्ग) के बहुवचन रूप से परिचित होकर उसका प्रयोग करना सीखेंगे। छात्र मध्यम पुरुष के एकवचन रूप से परिचित होकर उसका प्रयोग करना सीखेंगे। छात्रों के शब्द-भंडार में वृद्धि होगी।
VI	3 अक्टूबर '23 - 31 अक्टूबर '23	<ul style="list-style-type: none"> अष्टम पाठः -युवाम् (मध्यम पुरुष-द्विवचन) नवमः पाठः -यूयम् (मध्यम पुरुष- बहुवचन) व्याकरणं- वस्तूनाम् नामानि वर्णानाम् नामानि च 	<ul style="list-style-type: none"> छात्र मध्यम पुरुष के द्विवचन तथा बहुवचन रूपों से परिचित होकर उनका प्रयोग करना सीखेंगे। छात्रों के शब्द-भंडार में वृद्धि होगी।
VII	2 नवंबर '23 - 30 नवंबर '23	<ul style="list-style-type: none"> दशमः पाठः -अहम्(उत्तम पुरुष-एकवचन) व्याकरण- शाकानाम् नामानि फलानाम् नामानि च 	<ul style="list-style-type: none"> छात्र उत्तम पुरुष के एकवचन रूप से परिचित होकर उसका प्रयोग करना सीखेंगे। छात्रों के शब्द-भंडार में वृद्धि होगी।
VIII	1 दिसंबर '23 - 29 दिसंबर '23	<ul style="list-style-type: none"> एकादशः पाठः-आवाम् (उत्तम पुरुष-द्विवचन) द्वादशः पाठः -वयम्(उत्तम पुरुष-बहुवचन) 	<ul style="list-style-type: none"> छात्र उत्तम पुरुष के द्विवचन तथा बहुवचन रूपों से परिचित होकर उनका प्रयोग करना सीखेंगे। छात्रों के शब्द-भंडार में वृद्धि होगी।
IX	15 जनवरी '24 - 31 जनवरी '24	<ul style="list-style-type: none"> व्याकरणं- अव्यय परिचय धातुरूप लट् लकार परिचय (पठ्,गम्,लिख्) 	<ul style="list-style-type: none"> छात्र अव्यय शब्दों से परिचित होंगे। छात्र धातुरूपों के लट् लकार से परिचित होंगे।
X	1 फरवरी '24 - 29 फरवरी '24	<ul style="list-style-type: none"> व्याकरणं- सर्वनाम शब्द-परिचय(पुल्लिङ्ग(सः,तौ,ते), स्त्रीलिङ्ग(सा,ते,ताः), नपुंसकलिङ्ग(तत्,ते,तानि) क्रीडा-क्रीडायाम् 	<ul style="list-style-type: none"> छात्र संस्कृत सर्वनाम शब्दों का परिचय प्राप्त करेंगे। छात्रों के शब्द-भंडार में वृद्धि होगी।

IV HINDI-CURRICULUM AS PER CYCLE DATES (2023-24)

पाठ्य पुस्तक— सुनहरी धूप (संपादक :- रचना सागर)
 व्याकरण— सार्थक हिंदी व्याकरण (संपादक :- न्यू सरस्वती हाऊस)
 पूरक पुस्तक— कथा मंजूषा

क्र. सं.	दिनांक	उपविषय	सीखने के प्रतिफल
I	5 अप्रैल 23 से 28 अप्रैल 23	साहित्य — पाठ— 1 प्रकृति कहती है पाठ— 3 शेखचिल्ली का सपना व्याकरण — <ul style="list-style-type: none"> भाषा , लिपि और व्याकरण वर्ण विचार , चित्र वर्णन अपठित गद्यांश 	<ul style="list-style-type: none"> छात्र प्रभातकालीन प्राकृतिक सौंदर्य से परिचित होंगे। अपने शब्द भंडार में वृद्धि करने में सक्षम होंगे। छात्र भाषा के विभिन्न रूपों से परिचित होंगे। हास्य कथाओं के पठन में रुचि लेंगे। कहानी के वाचन, पठन तथा लेखन से भाषा संबंधी ज्ञान बढ़ेगा। वर्णमाला के वर्णों से नवीन शब्दावली का निर्माण कर सकेंगे। छात्र रचनात्मक लेखन करने में सक्षम होंगे।
II	1 मई 23 से 26 मई 23	साहित्य — <ul style="list-style-type: none"> पाठ— 4 पुष्प की अभिलाषा व्याकरण — <ul style="list-style-type: none"> लिंग बदलो वचन बदलो संज्ञा और उसके भेद 	<ul style="list-style-type: none"> छात्र महान हिंदी कवियों की रचनाएँ पढ़ने के लिए प्रेरित होंगे। शहीदों के प्रति सम्मान की भावना से ओत-प्रोत होंगे। ‘लिंग’ तथा ‘वचन’ विषय से शब्दों की वर्तनी में सुधार होगा। संज्ञा का दैनिक जीवन में उपयोग कर सकेंगे।
III	3 जुलाई 23 से 31 जुलाई 23	साहित्य — <ul style="list-style-type: none"> पाठ — 5 अर्जुन सिंह व्याकरण — <ul style="list-style-type: none"> सर्वनाम और उसके भेद विराम चिह्न अनुच्छेद लेखन 	<ul style="list-style-type: none"> छात्रों के शब्द भण्डार में वृद्धि होगी। छात्र त्योहारों के महत्व को समझ पाएँगे। उनमें सांस्कृतिक एकता का विकास होगा। छात्रों में भाषा के चारों कौशलों का होगा। सर्वनाम का उपयोग व सही चयन करना सीखेंगे।
IV	1 अगस्त 23 से 30 अगस्त 23	साहित्य — <ul style="list-style-type: none"> पाठ — 6 पोंगल व्याकरण — <ul style="list-style-type: none"> मुहावरे , विलोम शब्द क्रिया ,काल उसके भेद 	<ul style="list-style-type: none"> छात्र ‘पोंगल’ के त्योहार के विषय में जानेंगे। छात्र क्रिया व काल के भेदों से परिचित होंगे। मुहावरों से परिचित होते हुए अपनी लिखित व मौखिक भाषा में उनका प्रयोग कर भाषा को सुंदर व प्रभावशाली बनाना सीखेंगे।

V	1 सितंबर 23 से 29 सितंबर 23	साहित्य – • पाठ – 16 गुरुत्वाकर्षण व्याकरण – • अनौपचारिक पत्र	• पृथ्वी के गुरुत्वाकर्षण बल के विषय में जानकारी प्राप्त करेंगे। • पृथ्वी के विशिष्ट गुण से पड़ने वाले प्रभाव को जानेंगे। • छात्र अनौपचारिक पत्र लेखन का अध्ययन करेंगे।
VI	3 अक्टूबर 23 से 31 अक्टूबर 23	साहित्य – • पाठ – 11 बकरी और भेड़िया • पाठ – 15 अब्राहम लिंकन का पत्र व्याकरण – • मुहावरे, विशेषण	• छात्रों में मानवीय मूल्यों को उनके दैनिक जीवन से जोड़ने की क्षमता का विकास होगा। • छात्रों में साहस, परिवार के प्रति प्रेम, प्रवृत्तियों का विकास होगा। • वाक्यों में विशेषण का उचित प्रयोग करना सीखेंगे।
VII	2 नवम्बर 23 से 30 नवंबर 23	साहित्य – • पाठ – 12 पेड़ का दर्द व्याकरण – • अनेक शब्दों के लिए एक शब्द	• छात्रों में प्रकृति के प्रति प्रेम, पर्यावरण सुरक्षा और संवेदनशीलता का विकास होगा। • अनेक शब्दों का प्रयोग अपने लेखन में करेंगे। • अनेक शब्दों का प्रयोग विद्यार्थी अपने दैनिक जीवन में कर सकेंगे।
VIII	1 दिसंबर 23 से 29 दिसंबर 23	साहित्य – • पाठ – 8 समय का महत्व व्याकरण – • शुद्ध – अशुद्ध	• छात्र समय के महत्व को समझकर उसके नियमों का पालन करेंगे। • समय सारिणी का पालन करेंगे। • शुद्ध-अशुद्ध का प्रयोग अपने लेखन में करना सीखेंगे।
IX	15 जनवरी 24 से 31 जनवरी 24	पुनरावृत्ति	• पुनरावृत्ति के माध्यम से सीखने की क्षमता का विकास।
X	1 फरवरी 24 से 29 फरवरी 24	साहित्य – • पाठ – 14 पानी और रसगुल्ले पुनरावृत्ति – • लिंग बदलो • वचन बदलो • अभ्यास पत्र	• पानी के महत्व को समझकर उसका सही प्रयोग करेंगे। • प्रकृति के संसाधनों का ज्ञान होगा। • पुनरावृत्ति से विषयों के ज्ञान में वृद्धि होगी तथा छात्र इनका प्रयोग अपने जीवन में कर सकेंगे।

**SPATIAL INT.
& CODING**

GRADE IV- CURRICULUM 2023-24

BOOK: STEP BY STEP CODING

SUBJECT: SPATIAL INTELLIGENCE AND CODING

MONTH	CONTENT	LEARNING OUTCOMES Learners will be able to ...
APRIL	Sequence and Pattern using Link and Lace.	<ul style="list-style-type: none"> Understand the term Sequence using a PowerPoint presentation. Understand the term Pattern using a pattern board with a peg game. Identify terms like Code, Coding, and Programmers. Comprehend various brain teasers and riddles. Recreate 3D shapes and views such as front, side, and top views.
MAY	Algorithm and Sequences using Techbots mouse	<ul style="list-style-type: none"> Understand the term "Algorithm" using a PowerPoint presentation and by giving some practical examples. Identify the term "Selection" by giving some real-life examples Recognize sequences using a Techbots Mouse game. Create 3D shapes and shadows using the Trudi kit.
JULY	Flowchart and coding pattern using color coding game.	<ul style="list-style-type: none"> Understand the concept of flowcharts using a PowerPoint presentation. Practice conditions using flowcharts. Learn about different patterns by playing a color-coding game. Practice Zentangle patterns to improve their visual reasoning.
AUGUST	Let's Repeat and Debugging	<ul style="list-style-type: none"> Understand the concept of making a new choice. Understand the term "looping" by giving some real-life examples. Comprehend the concepts of "debugging" and "errors" using a Techbots Mouse Gadget with tiles. Create a flowchart using looping and debugging concepts.

SEPTEMBER	<p>Write your name in binary,</p> <p>Fun with AI using link and lace.</p>	<ul style="list-style-type: none"> • Understand the term Artificial Intelligence • Improve their creativity using links and lace. • Practice coding decoding in binary form. • Understand the usage of Augmented reality coding board games.
OCTOBER	<p>Let's learn the basic concept of coding using a Coding game and Augmented reality coding board game.</p>	<ul style="list-style-type: none"> • Understand the basic concept of programming using a Coding Game. • Practice coding using a Color coding game. • Understand the concept of a maze using the Gravity Escape Maze game.
NOVEMBER	<p>How to create a Game in Minecraft using the code.org platform.</p>	<ul style="list-style-type: none"> • Understand the basic concept of programming using Minecraft hour of code using the code.org platform. • Practice patterns using pattern boards with pegs game. • Revise 3D shapes using the Trudi Twist game.
DECEMBER	<p>Minecraft Adventurer and Minecraft Designer.</p>	<ul style="list-style-type: none"> • Create their own game using Minecraft Designer. • Practice the basic programming concepts using Minecraft Adventurer. • Practice coding using an Augmented Reality Coding Game.
JANUARY	<p>Create 2D and 3D shapes using TINKERCAD</p>	<ul style="list-style-type: none"> • To recapitulate 2D and 3D shapes using the Trudi kit. • Introduction of a new platform called Tinkercad. • Understand the usage of the Tinkercad platform. • Create 2D and 3D shapes on Tinkercad.
FEBRUARY	<p>Basic Ring and Heart Ring</p>	<ul style="list-style-type: none"> • Understand the shapes required to make a ring. • Design a ring using more than two 3D objects. • Learn how to group multiple shapes together. • Practice 3D shapes using Trudi twist. • Play coding games.
MARCH	<p>Design a Coffee Mug</p>	<ul style="list-style-type: none"> • Understand the concept of x coordinate and y coordinate. • Learn to create a new shape by using different shapes. • Practice patterns using pattern boards with pegs.