

SURENDRANATH CENTENARY SCHOOL
SESSION -2023-24
ANNUAL PLAN
CLASS -IV

ENGLISH

Book –1.NEW EXPLORING ENGLISH-4 (Collins)

2.MY GRAMMAR TIME-4 (Bharati Bhawan)

MONTH	CHAPTER	No. of periods	TOPICS	LEARNING OBJECTIVE	LEARNING OUTCOME	CT/UT/ Term
APRIL '23	Grammar L1 Nouns Literature Unit 1 Twelve Silver Cups Unit-2 Mountain Mona Grammar L-3 Nouns: Concrete, Abstract and Compound L-4 Nouns: Singular and Plural Picture Composition	18	L-1 Nouns <ul style="list-style-type: none"> Kinds, Uses Exercises Unit-1 Twelve Silver Cups <ul style="list-style-type: none"> Reading, Dictionary skills, Questions and Answers, Make sentences. Reference to Context. Unit-2 Mountain Mona <ul style="list-style-type: none"> Reading and comprehend the answers. Compound words. L-3 Nouns – Concrete, Abstract and Compound <ul style="list-style-type: none"> Identifying and forming Abstract nouns Formation of Compound nouns L-4 Nouns: Singular and Plural <ul style="list-style-type: none"> Countable & Uncountable nouns. Rules for forming plural nouns and exercises Creative Activity Picture Composition	<ul style="list-style-type: none"> Identify and use the different types of nouns in writing skills Develop problem solving skills. Appreciate the story. Learn the formation of compound Words. Strengthen reading skills. Differentiate between Concrete and Abstract nouns. Identify singular and plural noun. Identify the nouns which always exist in either singular or plural form. Key rules in regard to change singular nouns to plural nouns. Develop writing skills. 	<ul style="list-style-type: none"> Identify and effectively use nouns in sentence composition. Learn new words related to crime and enjoy to read a mystery. Learn verbs of movement and compound words. To be confident about one's individuality. Distinguish between concrete and abstract nouns and their usage. Learn the formation of plural nouns including compound nouns. Improve writing skills. 	CT-1 (GR) L-1 CT-1 (LIT) Unit-1 UT-1 (LIT) Unit-2 T-1 (GR) L-3 T-1 (GR) L-4

<p>Literature Unit-3 The Selfish Sparrow</p> <p>Grammar L-13 Degrees of Comparison</p> <p>L-16 Personal Pronouns</p> <p>Paragraph Writing</p>			<p>Explanation by storytelling method.</p> <ul style="list-style-type: none"> • Reading Vocabulary, Exercises • SAQs, LAQs and Reference to the context. <p>L-13</p> <p>Degrees of Comparison</p> <ul style="list-style-type: none"> • Use of Comparative and Superlative forms • Formation of Comparative and Superlative forms <p>L-16 Personal Pronouns</p> <ul style="list-style-type: none"> • Table, Uses • Subject and object pronouns <p>Paragraph Writing</p> <p>My Helping Neighbour</p> <ul style="list-style-type: none"> • Hints • Interview with neighbours. • Writing of the paragraph. <p>CELEBRATION</p> <p>P.N. Panicker National Reading Month</p> <ul style="list-style-type: none"> • SUBJECT ENRICHMENT <p>Integration with Science.</p> <ul style="list-style-type: none"> • Illustrate healthy food and junk food using various adjectives and degrees of comparison 	<ul style="list-style-type: none"> • Know more about sparrows and things to be done to help sparrows for their existence. • Learn the rules to change from Positive to Comparative and Superlative degrees of comparison. • Draw links between these three degrees of comparison. • List the various personal pronouns and identify its role in a sentence. • Define and identify pronouns in text. • Differentiate between subject and object pronouns. • Improve communication skills through interview. • Compose the clues/hints to write a paragraph. 	<ul style="list-style-type: none"> • Learn the use and formation of comparative and superlative degrees of comparison • Clear concept of three persons, object and object pronouns. • Develop confidence and enhance communication skills through interview. 	<p>T-1 (LIT) Unit-3</p> <p>T-1 (GR) L-13</p> <p>T-1 (GR) L-16</p>
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AUG '23	<p>Literature Unit-5 Lion on the Loose</p> <p>Grammar L-19 Am, Is, Are, Was, Were</p> <p>L-20 Has, Have, Had</p> <p>Poem-Turn off the TV!</p> <p>Paragraph Writing</p>	22	<p>Unit -5 Lion on the Loose</p> <ul style="list-style-type: none"> • Reading • Meanings of difficult words and phrases. • Question/Answer • Make Sentences • Dictionary Skills <p>L -19 Am, Is, Are, Was, Were</p> <ul style="list-style-type: none"> • Action Verbs • Helping Verbs • Being Verbs <p>L-20 Has, Have, Had</p> <ul style="list-style-type: none"> • Helping Verbs • Show possession and relation • Subject - Verb Agreement <p>Poem- Turn off the TV !</p> <ul style="list-style-type: none"> • Recitation • Rhyming Words • Reference to Context <p>Paragraph Writing- A Visit to a Mall</p> <ul style="list-style-type: none"> • Hints- • Group discussion • Writing of the topic <p>SDG 7: Conservation of Energy</p>	<ul style="list-style-type: none"> • Understand distinctions between entities in nature and their inter relationships • Strengthen reading and comprehend SAQs and LAQs. • Understand the uses of helping verbs. • Identify the use of verb in expressing time of action. <p>Understand the uses of helping verbs to show possession and relation to ,subject-verb agreement</p> <ul style="list-style-type: none"> • Appreciate the humour in the poem. • Analyse ways to conserve energy. • Use of cues to write a paragraph 	<ul style="list-style-type: none"> • Appreciate the entities in nature and their inter-relationships. • Able to respond verbally to questions based on day to day experiences. • Learn the use of helping and being verbs. • Recognize the tense used in the sentences. • Identify the verbs that show possession and relation ,subject-verb agreement. • Appreciate the humorous poem and write shape poem using creativity. • Follow measures to conserve energy. • Enhance communication skills and focus on creative writing. 	<p>T-1 (LIT) Unit-5</p> <p>T-1 (GR) L-19</p> <p>T-1 (GR) L-20 T-1 (LIT) Poem</p>
SEPT '23	<p>Grammar L-23 Present Tense</p> <p>Comprehension</p>	8	<p>L-23 Present Tense</p> <ul style="list-style-type: none"> • Table of Simple Present Tense • Table of Present Continuous Tense • Table of Present Perfect Tense • Use of has, have • Exercises <p>Comprehension HOTS</p> <ul style="list-style-type: none"> • Synonym • Antonym • vocabulary 	<ul style="list-style-type: none"> • Learn the uses of Simple Present, Present Continuous and Present Perfect tenses. • Comprehend the answers of the given passage through understanding, critical thinking and vocabulary skills. 	<ul style="list-style-type: none"> • Identify the verbs used in simple present tense. • Enhance Reading Skills. Comprehend the answers confidently. 	<p>T-1 (GR) L-23</p>

OCT '23	<p>Literature Unit-6 The Old Man and the Seed</p> <p>Grammar L-21 Do, Does, Did</p> <p>L-24 Past Tense</p> <p>Leave Application</p>	15	<p>Unit-6 The Old Man and the Seed</p> <ul style="list-style-type: none"> • Reading • Question answers • Reference to Context • Make Sentences • Antonym using Prefixes • Vocabulary building • Crossword puzzle <p>Group activity: Role Play Enact the drama The Old Man and the Seed.</p> <p>L-21 Do, Does, Did</p> <ul style="list-style-type: none"> • Helping Verbs • Negative forms and their uses • Question forms and their uses <p>L-24 Past Tense</p> <ul style="list-style-type: none"> • Simple past • Past Continuous • Rules for formation of Past Tense verbs <p>Leave application</p> <ul style="list-style-type: none"> • Format of formal letter writing. • Explain how to write leave application. • Writing of the application(Guided). 	<ul style="list-style-type: none"> • Enjoy the folk tale about Tenali Raman, learn the spelling of words with double consonants and learn to use expressions of time. • Understand the uses of helping verbs. How they are used for emphasis and to form questions, also their negative forms and their uses. • Identify verbs and tense in a sentence. Learn the formation of verbs and their uses in Past Tense. • Explain the purpose and format of formal letter. 	<ul style="list-style-type: none"> • Appreciate the wisdom of Tenali Raman. • Able to solve the crossword puzzle. • Understand that these are used for emphasis and to form questions. • Learn the rules for formation of verbs in past tense. • Use them correctly in speaking and writing skills. • Write formal letter with the correct format. 	<p>CT-2 (LIT) Unit-6</p> <p>CT-2 (GR) L-21</p> <p>T-2 (GR) L-24</p>
NOV '23	Grammar L-25 Future Tense	19	<p>L-25 Future Tense</p> <ul style="list-style-type: none"> • Table of Simple Future Tense • Exercises 	<ul style="list-style-type: none"> • Make the student understand the words that express future time,the verb forms used in Simple Future Tense. 	<ul style="list-style-type: none"> • Identify the verbs used in future tense. 	<p>UT-2 (GR) L-25</p>

	<p>L-28 Conjunctions</p> <p>Literature Unit- 7 A Tale of the Sun and the Moon</p> <p>Paragraph Writing</p>		<p>L-28 Conjunctions</p> <ul style="list-style-type: none"> • Uses • Discussion of Conjunctions that appear in pairs <p>Unit-7 A Tale of the Sun and the Moon</p> <ul style="list-style-type: none"> • Reading • Question answers • Reference to Context • Make Sentences • Vocabulary building • Dictionary skills • Synonym <p>Paragraph Writing How I Spend My Sundays.</p> <ul style="list-style-type: none"> • Hints • Discussion of the topic • Writing of the topic <p>LIFE SKILLS Story Telling on thoughtfulness and care.</p>	<ul style="list-style-type: none"> • Learners will be able to identify words that function as conjunction. • Will be able to differentiate between different conjunctions. • Will be able to correctly use conjunctions to link simple sentences. • Learn moral values, gratitude. • Enhance Speaking Skills by one to one interaction. • Able to think words related to space. <p>Compose a paragraph using creativity, imagination and vocabulary.</p>	<ul style="list-style-type: none"> • Use linkers correctly in sentence formation. • Understand the importance of thoughtfulness and caring for our loved ones. • Use of correct tense and imagination to write the paragraph. 	<p>T-2 (GR) L-28</p> <p>UT-2 T-2 (LIT) Unit-7</p>
DEC '23	<p>Grammar L-26 Adverbs</p> <p>L-27 Prepositions</p> <p>Literature</p>	18	<p>L-26 Adverbs</p> <ul style="list-style-type: none"> • Kinds • Uses with examples • Exercises • Rules of formation of Adverbs • Position • Place <p>Unit-8 Stormy Oceans</p> <ul style="list-style-type: none"> • MCQs • SAQs • Match the water bodies with their definition. 	<ul style="list-style-type: none"> • Adverbs used as modifiers to express time, place, manner and degree. • Rules of formation. • Understand some words are used to tell the position of nouns or pronouns. • Learn the functions of various types of Prepositions, correct uses of Prepositions in speaking and writing skills. 	<ul style="list-style-type: none"> • Identify the kinds and the uses of adverbs. • Apply the rules of formation of adverbs. • Learn the correct use of preposition and understand that they are used to demonstrate the relationship between two words in a sentence. • Appreciate the importance of oceans for our survival. • Analyse the steps to be taken to keep our oceans clean. 	<p>T-2 (GR) L-26</p> <p>T-2 (GR) L-27</p>

FEB '24	Paragraph Writing Comprehension	10	Paragraph Writing The person I Admire the most. <ul style="list-style-type: none"> ● Video where teachers talk about the person they admire the most. ● Hints ● Discussions ● Writing 	<ul style="list-style-type: none"> ➤ Inculcate moral values and use of connectors to write a paragraph. ● Develop problem solving skills. 	<ul style="list-style-type: none"> ● Identify the key points of the paragraph and write a paragraph with proper introduction, supporting details and conclusion. ● Enhance critical thinking. ● Ability to comprehend answers. 	
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Books- प्रत्युष भाग – 4. (न्यू सरस्वती हाउस)
व्याकरण संबोध – 4 (मधुबन)

MONT H	CHAPTER	No. of periods	TOPICS	LEARNING OBJECTIVE	LEARNING OUTCOME	CT/UT/ Term
APRIL '23	व्याकरण पाठ -1 भाषा निबंध माली हमारे मित्र । प्रत्युष पाठ 1 कामना पाठ -2 "हम तो खेल भर रहे थे"	18	पाठ – 1 भाषा और व्याकरण भाषा तथा व्याकरण की जानकारी, अभ्यास कार्य। पाठ -1 कामना व्याख्या, प्रश्नोत्तर कार्य, अभ्यास कार्य, शब्दार्थ, श्रुतिलेख। विषय संबंधित ऐतिहासिक विभूतियों से परिचित प्रेरित हो सकेंगे (सामाजिक अध्ययन)	<ul style="list-style-type: none"> ● भारत और भारतीयता से परिचित होंगे त्याग और बलिदान की भावना का विकास। 	<ul style="list-style-type: none"> ● भाषा की उत्पत्ति, उसके रूप की , विभिन्न राज्यों में बोली जाने वाली भाषाओं की जानकारी देना। 	CT –1 (प्रत्युष: पाठ –1) (व्याकरण: पाठ –1)
MAY '23	व्याकरण पाठ – 2 वर्ण-विचार निबंध जल प्रदूषण प्रत्युष पाठ -2 कैक्टस	12	पाठ पाठन , व्याख्या, शब्दार्थ, अभ्यास कार्य। विषय संबंधित प्रकृति सौंदर्य एवं फूलों की विशेषताओं के बारे में जान सकेंगे। (सामाजिक अध्ययन)	<ul style="list-style-type: none"> ● किसी के बाहरी रूप रंग व वेशभूषा के आधार पर आकलन नहीं कर गुण को परखना सीखेंगे। 	<ul style="list-style-type: none"> ● वर्ण की पहचान वर्ण की परिभाषा तथा भेद को जानेंगे। 	UT –2 (प्रत्युष पाठ :2) (व्याकरण पाठ:2)

JUNE '23	व्याकरण पाठ -3 शब्द पत्र लेखन प्रत्यूष पाठ -4 घमंडी मछली	18	पत्र लेखन अपने मित्र को अपने विद्यालय के बारे में बताते हुए पत्र लिखें। शब्दों का निर्माण करना तथा शब्द के भेद को जानेंगे। पाठ -4 घमंडी मछली कविता का सस्वर वाचन, प्रश्नोत्तर, अभ्यास कार्य।	<ul style="list-style-type: none"> अहंकार ना करने की प्रेरणा तथा सच्चे मित्र की पहचान। 	<ul style="list-style-type: none"> विषय संबंधित अहंकार ना करने की प्रेरणा, सच्चे मित्र की पहचान तथा बिना सोचे विचारे काम नहीं करने की प्रेरणा। (नैतिक शिक्षा) 	T-1 प्रत्यूष (पाठ-3) व्याकरण (पाठ- 3)
JULY '23	व्याकरण ●पाठ-4 वाक्य पाठ-5 संज्ञा ●निबंध ●पत्र प्रत्यूष ●पाठ -5 बारहवीं सवारी पाठ -6 रुपयों का पेड़	23	पत्र –समय का सदुपयोग बताते हुए बड़े भाई को पत्र लिखें। निबंध प्रिय विषय व्याख्या, प्रश्नोत्तर कार्य, अभ्यास कार्य, श्रुतिलेख, शब्दार्थ। बहु-विषयक (Multidisciplinary) अपनी कला का प्रदर्शन एवं गुणों का विकास कर सकेंगे।	<ul style="list-style-type: none"> मेहनत, लगन, निष्ठा और ईमानदारी से अपने कार्य में निपुणता हासिल करना। नाम वाले शब्दों के बारे में बताना, भाववाचक संज्ञा की रचना के बारे में बताना। 	<ul style="list-style-type: none"> बाल मन की कल्पना एवं मनोविज्ञान की परख करना। वाक्य निर्माण करना तथा वाक्य के अंग को जानेंगे। 	T 1 प्रत्यूष पाठ-4, 5 व्याकरण पाठ- 4, 5
AUG '23	व्याकरण पाठ -6 लिंग पाठ -7वचन पाठ -8कारक निबंध प्रत्यूष पाठ – 7 चंपा और चमेली	22	पाठ – 7 चंपा और चमेली कविता का सस्वर वाचन, प्रश्नोत्तर, श्रुतिलेख, अभ्यास कार्य। पाठ -6 लिंग निबंध स्वतंत्रता दिवस संकेत बिंदु के माध्यम से निबंध लेखन।	<ul style="list-style-type: none"> पशु पक्षियों को स्वतंत्र रखने की सीख देना। संधारणीय विकास लक्ष्य (SDG 15 life on land) पर्यावरण का ज्ञान एवं प्राकृतिक आपदा से आप कैसे बच सकते हैं लिखें। 	<ul style="list-style-type: none"> सामाजिक भावनात्मक सीख एवं जीवन कौशल पर्यावरण चिंतन एवं उसके प्रति सम्मान। 	T-1 प्रत्यूष पाठ -6 व्याकरण पाठ -6
SEPT '23	व्याकरण पाठ -9सर्वनाम प्रत्यूष पाठ-8 ज्योति पर्व	9	पाठ – 9 सर्वनाम परिभाषा, भेद , सर्वनाम शब्दों की पहचान, अभ्यास कार्य। गतिविधि (Activity) अपनी दिनचर्या को ध्यान में रखते हुए दस सर्वनाम शब्दों से वाक्य बनाइए।	<ul style="list-style-type: none"> दीपावली के महत्व को समझना। दिवाली के साथ-साथ विश्व के अनेक देशों के 	<ul style="list-style-type: none"> नाम के स्थान पर प्रयोग किए जाने वाले शब्दों के बारे में बताना तथा उनका वाक्यों में प्रयोग करना सिखाना। दिवस 	T-1 प्रत्यूष पाठ -7 व्याकरण पाठ -9

			महत्वपूर्ण	त्योहारों को जानना एवं समझना।	<ul style="list-style-type: none"> • हिन्दी दिवस • 14 सितंबर 	
OCT '23	व्याकरण पाठ – 10 विशेषण पाठ -11 क्रिया निबंध प्रत्यूष पाठ – 9 पेड़ पाठ-10 बकरी और चट्टान।	15	पाठ -9 पेड़ पाठ-10 बकरी और चट्टान व्याख्या, प्रश्नोत्तर, अभ्यास कार्य, श्रुतिलेख, शब्दार्थ। निबंध दशहरा संकेत बिंदु के माध्यम से निबंध लेखन।	<ul style="list-style-type: none"> • स्वस्थ रहने में पर्यावरण की भूमिका को जानना • निर्णय क्षमता विकसित करने की प्रेरणा ग्रहण करना। 	<ul style="list-style-type: none"> • सर्वोत्तम अभ्यास(Best practices) • आपका सच्चा मित्र कौन है ? • सच्चे मित्र की 5 पहचान बताओ। 	CT-2 प्रत्यूष पाठ - 8 व्याकरण पाठ -8 T-2 प्रत्यूष पाठ - 11,12
NOV 23	व्याकरण पाठ -12 काल पाठ 13 अव्यय निबंध प्रत्यूष पाठ – 11 सभा का खेल पाठ -12 बुद्धि की करामात	18	पाठ -12 काल परिभाषा, वाक्य में उचित स्थान पर प्रयोग, अभ्यास कार्य। निबंध व्यायाम का महत्व। पाठ – 12 बुद्धि की करामात व्याख्या, प्रश्नोत्तर, अभ्यास कार्य।	<ul style="list-style-type: none"> • भारत के ऐतिहासिक विरासत एवं ज्ञान से रूबरू हो सकेंगे। • महत्वपूर्ण दिवस • झारखंड स्थापना दिवस (15 नवंबर) • बाल दिवस (14 नवंबर) 	<ul style="list-style-type: none"> • स्वदेशी वस्तुओं के निर्माण एवं उपयोग के महत्व को समझ सकेंगे। • विषय संबंधित • अतिथि देवो भवः • (नैतिक शिक्षा) 	T-2 प्रत्यूष पाठ – 10,11,12 व्याकरण पाठ – 13,14
DEC 23	व्याकरण पाठ -14 पर्यायवाची शब्द पाठ 15 विलोम शब्द निबंध पत्र लेखन प्रत्यूष पाठ – 13 खिलौने वाली	18	पाठ -14 पर्यायवाची शब्द पाठ 15 विलोम शब्द उच्च कोटि चिन्तन (HOTS) पाठ से अलग कोई पाँच पर्यायवाची और विलोम शब्दों को लिखें। निबंध जाड़े की ऋतु संकेत बिंदु के अनुसार निबंध लेखन। पत्र लेखन नए साल की शुभकामना देते हुए अपनी छोटी बहन को पत्र लिखें।	<ul style="list-style-type: none"> • बाल जीवन के आनंद आई जनों का परिचय बाल मनोविज्ञान की मनोदशा का वर्णन। 	<ul style="list-style-type: none"> • कला समेकित अधिगम आनंददायी अधिगम समग्र अनुभव आधारित चर्चा विमर्श आधारित। 	T-2 प्रत्यूष पाठ – 13 व्याकरण पाठ – 13,14,15

JAN '24	व्याकरण पाठ -16 अनेकार्थी शब्द पाठ – 17 वाक्यांश के लिए एक शब्द निबंध प्रत्यूष पाठ – 14 पशु -पक्षियों का संसार	19	पाठ -14 पशु- पक्षियों का संसार पाठ व्याख्या, शब्दार्थ, प्रश्नोत्तर, अभ्यास कार्य। निबंध प्रिय खेल संकेत बिंदु के माध्यम से निबंध लेखन कार्य।	<ul style="list-style-type: none"> भारत एवं विश्व के अनेक पशु पक्षियों से परिचित हो सकेंगे। 	<ul style="list-style-type: none"> विषय संबंधित पर्यावरण संतुलन बनाए रखने में वृक्षों तथा पक्षियों क्या योगदान है ?लिखें। (सामाजिक अध्ययन) 	T-2 प्रत्यूष पाठ– 14 व्याकरण पाठ–16,17
FEB '24	व्याकरण पाठ -18विराम चिन्ह पाठ-19 अशुद्धि शोधन पाठ-20 मुहावरे पत्र लेखन प्रत्यूषपाठ -15 खनकती चूड़ियां	9	पत्र लेखन- विद्यालय की खिड़की का शीशा टूट जाने पर प्रधानाचार्या को क्षमा पत्र लिखें। पाठ -15 खनकती चूड़ियां व्याख्या, शब्दार्थ, प्रश्नोत्तर कार्य।	<ul style="list-style-type: none"> देश प्रेम का भाव एवं पत्र लेखन का विकास कर सकेंगे। विषय संबंधित भारत की स्थानीय परंपराओं की पहचान से परिचित हो सकेंगे। (सामान्य ज्ञान) 	<ul style="list-style-type: none"> भारत के नगरों की पहचान एवं उसकी विशेषता से परिचित देश प्रेम का भाव पत्र के रूप में अभिव्यक्त होना। 	T-2 प्रत्यूष पाठ– 15 व्याकरण पाठ– 18,19,20

MATHEMATICS**Book :1. NEW LEARNING COMPOSITE MATHEMATICS-4 (S. CHAND SCHOOL)****2. MENTAL ARTHMETIC-4**

MONTH	CHAPTER	No. of periods	TOPICS	LEARNING OBJECTIVE	LEARNING OUTCOME	CT/UT/ Term
APRIL '23	L-1 Numeration L-2: Roman Numerals L-3: Addition and Subtraction	17	<ul style="list-style-type: none">Indian place value chartComparing and Ordering of numbers NumbersRules for forming Roman NumeralsAddition and Subtraction JAADUI PITARA: CARD GAME Digit cards will be shuffled and each group will be given five cards. Game on forming numbers according to instructions.	<ul style="list-style-type: none">➤ Understanding the concept of numbers and basic numeracy skills.➤ Understanding place value and its significance in numbers.➤ Identifying and solving problems involving numbers and mathematical operations.➤ Learn collaboration through game➤ Developing critical thinking and problem – solving skills related to numeration.➤ Developing computational skills and proficiency in mental math.	<ul style="list-style-type: none">➤ Read and write 5-digit and 6-digit numbers.➤ Perform addition, subtraction operations with whole numbers.➤ Solve simple problems involving numbers with confidence.➤ Find the predecessor and successor of a number➤ Learn rules for forming Roman numerals➤ Learn about, subtrahend, minuend.	CT 1(L-1,2) UT 1(L-3)
MAY '23	L-4: Multiplication L-5: Division	11	<ul style="list-style-type: none">Multiplication by 3-digit numberWord problems on multiplicationSDG: Quality Education Lattice multiplication (Chinese method) and Vedic MethodProperties of division, Division by 2-digit numbers	<ul style="list-style-type: none">➤ SDG: Quality Education- Lattice and Vedic multiplication method➤ Develop problem solving skill through word problems➤ Use mental math strategies to perform multiplications and division quickly and efficiently➤ Explore and solve real-world problems that require multiplication and division skills.	<ul style="list-style-type: none">➤ Learn about the properties of multiplication.➤ Multiply a number up to 4 digits by a 1-, 2- and 3-digit number.➤ Know the terms used in a division problem and the properties of division.	UT 1(L-4) T I (L-5)

JUNE '23	L-5 Division	10	<ul style="list-style-type: none"> Word problems on division Divisibility rules HOTS: My divisor is 9. I am greater than 7×9 . I am less than 9×9 . My remainder is 7. What dividend am I?	<ul style="list-style-type: none"> Enhancing communication skill through story telling Develop critical thinking skill through HOTS questions Analyse rules of divisibility 	<ul style="list-style-type: none"> Divide a 4-digit and a 5-digit number by a 1-digit number. Divide a number by 10, 100 and 1000 and their multiples. Solve real life problems based on division. 	
JULY '23	L-11:Geometry L-6: Multiples and Factors	23	<ul style="list-style-type: none"> Line segments AIL ACTIVITY: Making of an art work from Warli art using line segments. Factors, Common factors, Multiples Common multiples, Prime and Composite numbers SUBJECT ENRICHMENT: Sieve of Eratosthenes <ul style="list-style-type: none"> Prime-Factorisation by factor-tree and division method 	<ul style="list-style-type: none"> Design and create art work using the concept of geometry Understand the concept of multiplication and how it relates to multiples. Analyse and compare different ways of finding factors Identify and list all the factors of a given number up to 50. Identify prime and composite numbers. Integrate Maths with day-today life. 	<ul style="list-style-type: none"> Apply Geometrical concepts in day today life. Use factor tree to find prime factorization of a number. Understand the relationship between factors and prime/composite numbers. Recognize that multiple is always greater than given numbers and factor is always smaller than the given numbers. 	T I (L-11) T I (L-6)
AUG '23	L-7Fractions	23	<ul style="list-style-type: none"> Numerators and Denominator Like and unlike fractions Equivalent fractions Reducing a fraction to its lowest form, Kinds of fraction Addition and subtraction of fractions AIL ACTIVITY: Through paper cutting activities different designs of fractions will be created, like peacock, tortoise etc.	<ul style="list-style-type: none"> Develop creative skill through experiential learning Compare different kinds of fractions Enhancing communication skill Applying fractions in day-today life. 	<ul style="list-style-type: none"> Understand fraction as a part of whole and a group. Learn types of fractions. Perform addition and subtraction of like fractions. Reduce a fraction to its simplest form. Convert mixed fractions into improper fractions and vice versa. 	T I (L-7)

SEPT '23	L-8: Decimals	07	<ul style="list-style-type: none"> Place value chart of decimals, expanded form of decimals <p>SDG: Climate Action</p> <p>Survey and analyse of maximum and minimum temperature of three cities of Jharkhand</p>	<ul style="list-style-type: none"> Developing critical thinking. Apply concept of decimal in real life situation SDG through analysing of data 	<ul style="list-style-type: none"> Understand tenths, hundredths and thousandths. Represent decimal fractions in the place value chart and write the expanded form of decimals. Perform fundamental operations on decimals. 	CT 2(L-8)
OCT '23	L-12: Perimeter	15	<ul style="list-style-type: none"> Perimeter of triangle, square, rectangle Word Problems on perimeter 	<ul style="list-style-type: none"> Develop Spatial Intelligence through geometry. Enhancing problem solving skill through word problems Develop creative skills through area of different shapers in square grid. 	<ul style="list-style-type: none"> Find the perimeter of figures on a square grid. Find the perimeter of a square, a rectangle and a triangle, using formulas. Understand the concept of perimeter. 	UT 2(L-12)
NOV '23	L-9: Measurement L14:Symmetry	18	<ul style="list-style-type: none"> Conversion of units of length Word problems Conversion of units of weight, capacity Word problems <p>SUBJECT ENRICHMENT:</p> <p>Integration with PHE</p> <p>Get the data of height and weight of all the students of the class .Find the shortest and tallest student. Write the steps should be taken for underweight and overweight</p> <ul style="list-style-type: none"> Symmetry 	<ul style="list-style-type: none"> Integrating Maths with language. Apply concept of measurement in day-today life. Developing critical thinking and problem – solving skills related to measurement. Enhancing communication skill Enhance analyzing and creative skill through symmetry in nature. 	<ul style="list-style-type: none"> Learn about various units for measuring length, weight and capacity. Convert metric units of length, weight and capacity. Add and subtract metric measures. Identify the lines of symmetry in various objects and geometrical shapes. 	T II(L-9,14)

DEC '23	L11:Geometry	18	<ul style="list-style-type: none"> • Open and closed figure Polygons • Quadrilaterals(Square & Rectangle) • Circles CELEBRATION: Celebration of 'Ganit Diwas' through games, quiz, speech, art work	<ul style="list-style-type: none"> ➤ Develop logical and Mathematical skills through activities on Ganit Diwas. ➤ Identify different curves and polygons. ➤ Draw different kinds of quadrilateral. 	<ul style="list-style-type: none"> ➤ Understand the basic geometrical concepts. ➤ Identify parallel, perpendicular and intersecting lines. ➤ Measure and draw line segments. ➤ Identify various types of polygons. 	T II(L-11)
JAN '24	L-10: Time and calendar	19	<ul style="list-style-type: none"> • Using a.m. and p.m • 24-Hour clock time, • Conversion of time, • Operations on measures of time • Elapsed time • Reading of calendar • Word problems HOTS Observe the calendar and write the events in increasing order of their happening: Buddhapurnima, Mahavirjayanti, Good Friday, Gurunanak Jayanti, World Yoga day	<ul style="list-style-type: none"> ➤ Enhancing critical thinking through analytical reading of calendar. ➤ Apply concept of time in real life situation. ➤ Develop problem solving skill through word problems. 	<ul style="list-style-type: none"> ➤ Write the time using a.m. and p.m. and tell the time in 24-hour clock notation. ➤ Convert time from one unit to the other. ➤ Find the elapsed time during an activity. ➤ Add and subtract units of time. ➤ Read and interpret the calendar. 	T II(L-10)
FEB '24	L-15:Data Handling	05	<ul style="list-style-type: none"> • Tally marking, • Drawing and Interpretation of bargraph EXPERIENTIAL LEARNING: Pasting of newspaper cuttings having data in the form of Bar-graph	<ul style="list-style-type: none"> ➤ Integrating Maths with real life through Experiential learning. ➤ Develop analytical skill through interpretation of data. 	<ul style="list-style-type: none"> ➤ Collect the data by performing several activities and represent it by pictograph. ➤ Interpret the information given in bar graphs. 	T II(L-15)

SCIENCE**Book- FOCUS SCIENCE 4 (Ratna Sagar)**

MONTH	CHAPTER	No. of periods	TOPICS	LEARNING OBJECTIVE	LEARNING OUTCOME	CT/UT/ Term
APRIL '23	L-1 Food for Plants L-2 Adaptation in Plants	16	<p>L-1 Food for Plants</p> <ul style="list-style-type: none">• Parts of a leaf• The Process of making food in plants• How do plants use food?• Food chain• Interdependence of plants and animals.• Balance in nature <p>L-2 Adaptation in Plants</p> <ul style="list-style-type: none">• Terrestrial Plants <p>EXPERIENTIAL LEARNING Trip of school premises SUBJECT ENRICHMENT-Experiment to show the presence of starch in different food items. PROJECT: Scrapbook on leaves (Herbarium sheet) SDG: 12 Responsible consumption and production CELEBRATION Nutrition week(4th to 9th April)</p>	<ul style="list-style-type: none">• Draw interest in art by preparing a well labelled diagram of parts of a leaf and process of photosynthesis.• Understand the importance of interdependence of plants and animals.• Perform simple experiments to show the presence of starch in leaf. <p>L-2 Adaptation in Plants Classify plants on the basis of their habitats.</p> <p>Name the kinds of terrestrial habitat.</p> <p>List the types of aquatic plants.</p>	<ul style="list-style-type: none">• Analyse and identify different parts of a leaf and their importance.• Explain how plants make their food.• State the conditions required for photosynthesis.• Identify some unusual plants found in nature.• Enlist the differences between aquatic and terrestrial plants.• Find out the common examples of plants on land and in water.• Analyse the features of plants growing in different habitats.	CT-1(L1) UT-1 (L2) T1 (L1)
MAY '23	L-2 Adaptation in Plants	09	<p>L-2 Adaptation in Plants</p> <ul style="list-style-type: none">• Aquatic Plants• Insectivorous Plants• Grass Family <p>SDG- 14 Life below water List out the characteristic features of some unique aquatic plants and animals</p> <p>PROJECT:Paste pictures of plants growing in different regions and write about their adaptations.</p>	<ul style="list-style-type: none">• Classify plants on the basis of their habitats.• Connect plant adaptations with environmental characteristics.• To investigate and recall how plants are adapted to suit their environment.	<ul style="list-style-type: none">• Understand the features of various types of aquatic plants.• Differentiate between Insectivorous and other autotrophs.• Understand the importance of plants in our life.	T1 (L-2)

JUNE '23	L-3 Animals: Growing in Number	10	<p>L-3 Animals: Growing in Number</p> <ul style="list-style-type: none"> Animals that lay eggs and give birth to babies. Internal structure of an egg. Life cycle of Butterfly, Frog <p>CELEBRATION World Environment Day (June 5)</p>	<ul style="list-style-type: none"> Identify and explain the two types of reproduction. Sketch the life cycle of hen, butterfly and frog. Analyse the process of reproduction in various animals. 	<ul style="list-style-type: none"> Differentiate between egg laying and birth giving animals. Describe metamorphosis in different animals. Understand the significance of reproduction in maintaining ecological balance. 	T1 (L-3)
JULY '23	<p>L-3 Animals: Growing in Number</p> <p>L4 Adaptation in Animals</p> <p>L-5 Food and Digestion</p>	19	<p>L-3 Animals: Growing in Number Parental care in animals.</p> <p>SUBJECT ENRICHMENT</p> <p>To find out whether the given animals lay eggs or give birth to babies. Write about their parental care.(1 point).</p> <p>L4 Adaptation in Animals</p> <ul style="list-style-type: none"> Type of animals Adaptation to environment Adaptation for Food <p>SDG: 15-Life on land</p> <ul style="list-style-type: none"> Adaptation for protection Endangered animals Textbook exercise <p>SDG- 14 Life below water</p> <p>SUBJECT ENRICHMENT Discussion on how we can help to protect the natural habitat of animals.</p> <p>L-5 Food and Digestion</p> <ul style="list-style-type: none"> Nutrients in food Balanced diet <p>SUBJECT ENRICHMENT-Prepare your balanced diet platter/Food pyramid.</p> <p>AIL-Topic-Food of Goa and Jharkhand</p>	<ul style="list-style-type: none"> Develop moral values to help and care for each other . Understand the relationship between living things and their habitats. Analyze how the adaptations help animals survive and thrive. Differentiate between vertebrates and invertebrates. Evaluate how animals adapt to their habitat. Enlist various organs and functions of digestive system. 	<p>Inculcate the values of taking care the younger ones.</p> <ul style="list-style-type: none"> Categorise animals on the basis of their habitat. Summarise some of the adaptations that help animals to protect themselves from their enemies. Discuss some of the behavioural adaptations shown by different animals. 	<p>T1(L-4)</p> <p>T1(L-1)</p>

AUG '23	<p>L-5 Food and Digestion</p> <p>L-6 Our Teeth and Microbes</p>	15	<p>L-5 Food and Digestion</p> <ul style="list-style-type: none"> • Process of digestion • Healthy eating habits <p>SDG: 3 Good Health and wellbeing.</p> <ul style="list-style-type: none"> • Cooking Food • Preservation of food <p>Best practices- Good Health (Collaboration with Physical Education) Students learn about importance of exercise and include it in their daily routine.</p> <p>L-6 Our Teeth and Microbes</p> <ul style="list-style-type: none"> • Types of teeth • Parts of a tooth • Taking care of trees. <p>SDG: 3 Good Health and wellbeing.</p> <p>SUBJECT ENRICHMENT (HOTS) Which teeth would you use to chew an almond and bite a guava?</p> <ul style="list-style-type: none"> • Types of microbes • Uses of microbes • Textbook exercise <p>EXPERIENTIAL LEARNING Model of human teeth</p>	<ul style="list-style-type: none"> • Inculcate healthy eating habits. • Adopt various traditional and latest technology for food preservation. • Differentiate between temporary and permanent teeth. • Implement ways to care their teeth. • Diagnose and classify harmful and useful microbes in daily life. 	<ul style="list-style-type: none"> • Explain the process of digestion and various organs involved in it. • List some healthy eating habits. • Name different types of teeth and their function. • Understand about different types of microbes. • Explain about useful and harmful microbes. 	T1(L-6)
SEPT '23	L-8 –Matter- Solid, Liquid and Gas	10	<p>L-8 –Matter- Solid, Liquid and Gas</p> <ul style="list-style-type: none"> • States of matter • Change of State <p>ART INTEGRATION : Role play to show arrangement of molecules in different states of matter</p> <p>SUBJECT ENRICHMENT- Worksheet</p>	<ul style="list-style-type: none"> • Determine the difference between solids, liquids and gases. • To observe and demonstrate the changes in the states of matter 	<ul style="list-style-type: none"> • Perform simple experiments to show interconversion of states of matter. • Infer and illustrate solids that dissolve in liquids to form a solution. 	
OCT '23	L-8 –Matter- Solid, Liquid and Gas	10	<p>L-8 –Matter- Solid, Liquid and Gas</p> <ul style="list-style-type: none"> • Solute, Solvent and Solution <p>EXPERIENTIAL LEARNING- To prepare lemonade or other refreshing drink and to find out the solute and solvent.</p>	<ul style="list-style-type: none"> • Classification of solute, solvent and solution. • Understand the importance of movements of Earth. 	<ul style="list-style-type: none"> • Identify the differences between solute and solvent. 	CT 2(L-8)

	L-9 The Earth and its Neighbours		<p>L-9 The Earth and its Neighbours</p> <ul style="list-style-type: none"> Planets of the Solar system. Satellites ,Structure of Earth <p>EXPERIENTIAL LEARNING- Make a solar system on A4 size paper and show the orbits of planets around the sun.</p> <ul style="list-style-type: none"> Movement of Earth <p>PROJECT: Collaboration with Social Science and Computer Science Search the internet for festivals linked to Sun or Moon</p>	<ul style="list-style-type: none"> Predict the patterns of Movement of objects in our solar system. 	<ul style="list-style-type: none"> Analyze the conditions required for change of state of matter. Describe the Planets of the Solar System. Describe what causes the change of seasons. Differentiate between Rotation and revolution of the Earth. 	UT2(L-9) T2(L-9)
NOV '23	<p>L-10 The Changing Weather</p> <p>L 11 The Clothes We Wear</p>	19	<p>L-10 The Changing Weather</p> <ul style="list-style-type: none"> Weather change Sea breeze and Land breeze Evaporation Condensation <p>SDG: 13 Climate Action</p> <ul style="list-style-type: none"> Different forms of water vapour Textbook exercise <p>EXPERIENTIAL LEARNING- Exposed surface affects evaporation To show the effect of heat on land and water.</p> <p>L 11 The Clothes We Wear</p> <ul style="list-style-type: none"> Different types of fibres used for making clothes Climate and cloth <p>PROJECT- Integration with SOCIAL SCIENCE Collect samples of clothes worn by us in different seasons.</p> <ul style="list-style-type: none"> Care of clothes <p>SUBJECT ENRICHMENT Collect pictures of clothes worn by different professional</p>	<ul style="list-style-type: none"> Understand difference between sea breeze and land breeze. Enlist different forms of water vapour in nature . Differentiate between Natural fibres and Synthetic fibres. Develop life skills to help their parents by taking proper care of clothes. 	<ul style="list-style-type: none"> Explain the importance of the Sun in relation to weather. Differentiate between condensation and evaporation. Identify the steps involved in water cycle. Explain the importance of clothes. Relate different kinds of clothes to weather, tradition and occupation. Identify different materials used for making their clothes. 	<p>T2(L-10)</p> <p>T2(L-11)</p>
DEC '23	L-12 Force,	15	L-12 Force, Work and Energy	<ul style="list-style-type: none"> Able to make connections between force, work and 	<ul style="list-style-type: none"> Understand about different types of force. 	T2(L12)

	Work and Energy		<ul style="list-style-type: none"> • Force and its effects • Gravity, Friction, Work <p>HOTS Why do we sprinkle powder on a carom board ?</p> <ul style="list-style-type: none"> • Forms of energy • Sources of energy <p>SDG- 7-Affordable and clean energy Students will learn about different forms of energy and their cost-effectiveness by discussion.</p> <ul style="list-style-type: none"> • Change of form of energy • Textbook exercise <p>SUBJECT ENRICHMENT- Crossword puzzle</p>	<p>energy.</p> <ul style="list-style-type: none"> • Demonstrate science experiments on force, work and energy. 	<ul style="list-style-type: none"> • Analyse the relation between work and energy. • Understand about different sources and forms of energy. 	
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SOCIAL SCIENCE

Book- SOCIAL STUDIES SUCCESS - 4 GOYAL BROTHERS PRAKASHAN

MONT H	CHAPTER	No. of periods	TOPICS	LEARNING OBJECTIVE	LEARNING OUTCOME	CT/UT/ Term
APRIL '23	L 1:Physical features of India L – 2:The Northern Mountains	18	<ul style="list-style-type: none"> Describing Physical divisions of India. Extent of Himalayas Important peaks and glaciers. Himalayan States and Union Territories 	<ul style="list-style-type: none"> Share interesting facts about different landforms of India. Impart knowledge about the Himalayas and life around it. Best Practices: An activity on exchange of culture. 	Learners will identify the role of forces causing changes in the Earth landforms and forming different physical features.	CT-1 (L-1) UT-1 (L-2)
MAY '23	L-3: The Northern Plains.	09	<ul style="list-style-type: none"> Location and division of Northern Plains. Northern States of India. <p><u>Multi Disciplinary Project (Collaborative Learning)</u></p> <ul style="list-style-type: none"> Rivers are the backbone of our living system. How will you stop the pollution of rivers? (Integrated with science) <p>Celebration Labour Day</p>	Describing the stretch of Northern Plains and its importance for India.	They will come to know about Northern Plains and its location	UT-1 (L- 3)
JUNE '23	L-4:The Great Indian Desert.	14	<ul style="list-style-type: none"> Formation of desert , Climatic conditions and vegetation Impart knowledge about life of people living in deserts and places of tourist attraction. <p>Project Based Learning-Make a model of a desert.(Art Integrated)</p>	To know about the Thar desert ,its vegetation and irrigation system.	Learners will know about the climatic conditions and people's life in the desert.	T-1 (L-4)
JULY '23	L-5 The Southern Plateaus. L-6: The coastal plains and islands.	22	<ul style="list-style-type: none"> * Location of southern plateau * States that lie in the southern region. *The life of people and the cultural heritage in this region. * Coastal plains, States and its culture. *Explanation of island and Cellular Jail. <p>Inquiry Based Learning Find out the important rivers of the plateau in which you live</p> <p>Subject Enrichment</p>	<p>*To impart knowledge about formation of southern plateaus, its expansion and people's life.</p> <p>* To impart knowledge about the division of coastal plains, sea ports and life of people.</p> <p>Islands of India and its importance to India.</p>	Learners will know about the landforms and the cultural heritage and life of people.	T-1 (L-5) T-1 (L-6)

			Write two special features of Andaman and Nicobar Island and Lakshadweep Island.			
AUG '23	L-7:Climate of India L-9:Forest and Wildlife of India.	21	* Difference between climate and weather. * Effect of climate on our food and clothes. * Types of forest * Location * Types of trees.	<ul style="list-style-type: none"> To impart knowledge about the reason for changing seasons. Main seasons of India. To know about different types of forests in India and its flora and fauna. 	Learners will be able to understand the concept of climate, weather and about flora and fauna.	T-1 (L-7) T-1 (L-9)
SEPT '23	L-8: Soil	14	Formation of soil and its type	To impart knowledge about formation of soil, its type, soil erosion and its conservation	Learners will be able to understand the importance of soil and its conservation.	CT-2 (L-8)
OCT '23	L-8: Soil L-12 Agriculture in India.	14	*Soil erosion * Ways of conservation. * Crop seasons *Importance of agriculture *Chief food crop. * Cash crops, and Food crops * Horticulture Critical Thinking Which soil is most suitable for crops? Name the states where this soil is present. Creative Skill Make a table on food crop and cash crop.	<ul style="list-style-type: none"> To impart knowledge about formation of soil, its type, soil erosion and its conservation To impart knowledge about crop season, types of crops, and horticulture. 	Learners will be aware about crop seasons and its types.	UT-2 (L-8) UT-2 (L-12)

NOV '23	<p>L-13 Industrial Development of India.</p> <p>L-14 Means of Transport</p>	23	<p>* Types of industries</p> <p>* Raw materials used for industries.</p> <p>*Main industries and the conversion of raw materials into goods.</p> <p>*Diversification of transport</p> <p>*Rural Transport</p> <p>*Urban transport.</p> <p>*Types of transport</p> <p>*Major means of transport.</p> <p>* Role of land and air transport.</p> <p>Integrated with language</p> <p>Write a short biography on JRD Tata - a renowned industrialist.</p>	<ul style="list-style-type: none"> ● To help students know about classification of industries and main industries of India. ● Students will be able to critically think on the role of transport in the growth of a nation. 	<p>Learners will be aware about main industries and raw materials.</p> <p>They will understand the diversification of transport.</p>	<p>UT-2 (L-13)</p> <p>T-2 (L 14)</p>
DEC '23	L-15: Means of communication.	18	<p>*Importance of means of communication.</p> <p>Types of communication.</p> <ul style="list-style-type: none"> ● Role of personal means of communication and mass communication. <p>Learning by doing</p> <ul style="list-style-type: none"> ● Write the names of three educational programmes you have recently seen on television. Mention the channel in which it was telecasted and the theme of the programme. 	To know about the communication system and how it has evolved.	Learners will enlist different means of communications.	T-2 (L15)

JAN '24	<p>L-18: Our Government.</p> <p>L-19: Our Goals, Rights and Duties</p>	19	<p>*Division of powers in the Central government and State governments of India.</p> <p>*Parliament and its houses.</p> <p>*Knowing about judiciary</p> <p>*Constitution of India</p> <p>*Fundamental Rights and Duties</p> <p>*Directive Principles</p> <p>MDP(Project Based)</p> <p>Collect pictures of all the Presidents of India and paste them on a chart paper. Below each picture, write their names and tenures.</p> <p>Art Integrated Based</p> <p>Prepare a chart on your fundamental duties at home and Rights in your school.</p>	Understanding the system of government and judiciary.	Learners will be able to justify the need for rights as well as duties.	<p>T-2 (L 18)</p> <p>T-2 (L-19)</p>
FEB '24	L-10 Our Water Resources	13	<ul style="list-style-type: none"> ● Importance of water ● Sources of irrigation ● Multipurpose Projects in India ● Water Pollution 	To know about the importance of water for life, its sources and conservation.	Learners can identify the importance of resource and can make proper plans to use it properly by knowing the importance of resource conservation	T-2 (L-10)

SUBJECT-COMPUTER SCIENCE**Book - IT ELEMENTS-4 (Avartan Education)**

MONTH	CHAPTER	No. of periods	TOPICS	LEARNING OBJECTIVE	LEARNING OUTCOME	CT/UT/ Ter
APRIL '23	L 1- Computer Memory	06	<ul style="list-style-type: none">• Types of computer memory• Primary memory• Types of primary memory – RAM &ROM• Secondary Memory• Hard Disk, CD, DVD, Blu-Ray Disk, Flash Drive, Memory Card• Written work- Exercises , Intext questions , Quiz (MCQ) SUBJECT ENRICHMENT: To show various types of CDs and note their storage capacity	<ul style="list-style-type: none">• To enhance the students ability in basic keyboard skills.	Students will be able to- <ul style="list-style-type: none">• Understand about primary memory and secondary memory• Understand about different storage devices	CT I(L-1) T1(L-1)
MAY '23	L 5- Introduction to Internet	04	<ul style="list-style-type: none">• INTRODUCTORY CLASS- How do INTERNET plays an important in our day-to-day life• What is Internet?• Uses of Internet	<ul style="list-style-type: none">• To create interest and inculcate critical thinking	Students will be able to know- <ul style="list-style-type: none">• What is internet• Uses of internet	UT I (L-5), T1(L-5)
JUNE '23	L 5- Introduction to Internet	08	<ul style="list-style-type: none">• Basic terms related to internet• Opening a web browser• Opening a website• Written work- Exercises , Intext questions , Quiz (MCQ) ACTIVITY -Open google chrome and visit the website https://wikipedia.org . Search for the following:- <ul style="list-style-type: none">▪ Continents of the world▪ The highest mountain peak in the world	<ul style="list-style-type: none">• To Promote 21st century skills(Media literacy) by using Internet	Students will be able to know- <ul style="list-style-type: none">• Basic terms related to internet• Opening web browser• Opening a website	UT I (L-5) T1 (L5)

JULY '23	L 2- Working With Windows	06	<ul style="list-style-type: none"> • Why do we call windows as lifeline of computer? Types – GUI & CUI • Windows desktop • Files and Folders <p>Windows Explorer, Components of windows explorer</p> <ul style="list-style-type: none"> • Creating and saving a file , Creating a folder • Opening and renaming a File/Folder, Deleting and Restoring a File/ Folder • Copying or Moving a File/Folder • Searching a File/Folder • Written work- Exercises , Intext questions , Quiz (MCQ) <p>LAB ACTIVITY:- Creating, naming ,deleting and restoring a folder.</p>	<ul style="list-style-type: none"> • To make the students understand about the working of windows like a bridge 	<p>Students will know about-</p> <ul style="list-style-type: none"> • Windows desktop • Files and folders • Windows explorer • Various operations on files and folders 	T I (L-2)
AUG '23	L 3- Editing in Word	08	<ul style="list-style-type: none"> • Starting MS WORD, Typing text and Saving a file , Creating, Opening and Closing a Document • Editing text: Selecting, Inserting, Overtyping, Deleting text, Undo and Redo, • Copying and Moving text,Spell check, Find and Replace • Written work- Exercises , Intext questions , Quiz (MCQ) <p>LAB ACTIVITY:-Typing of sentences, finding and correcting errors using features of MS Word</p>	<ul style="list-style-type: none"> • To create interest and develop various skill by selecting text using keyboard and mouse both • Develop problem solving skills by finding the error in the given sentences and collaborate with languages 	<p>Students will know about-</p> <ul style="list-style-type: none"> • Starting MS word • Typing text and saving files • Creating opening and closing a document • Spell check along with find and replace 	T-I (L-3)
SEPT '23	L 4- Formatting in Word	04	<ul style="list-style-type: none"> • Font Formatting Font and Font size,Font colour, Text effects , Text highlight colour, Bold, Italic and Underline, Subscript & Superscripts • Paragraph formatting Bullets and numbers, Aligning text, Line spacing, Paragraph spacing, Indents 	<ul style="list-style-type: none"> • To promote cyber awareness • To apply their knowledge in learning activities by using super/subscript 	<p>Students will know about-</p> <ul style="list-style-type: none"> • Font and paragraph formatting • Modification of page layout • Header and footer • How to print a document 	CT 2(L-4) T2 (L4)

OCT '23	L 4- Formatting in Word	06	<ul style="list-style-type: none"> ● Mini Toolbar ● Modifying Page Layout Page margin, Page orientation, Watermark, Page border , Page colour, Inserting columns and column break ● Header and Footer, Printing a document ● Written work- Exercises , Intext questions , Quiz (MCQ) <p>PROJECT:- Write a paragraph on “MY FAMILY” using MS WORD. Use font styles, bullets etc to make it beautiful. Take out a printout and paste it in your copy</p>	<ul style="list-style-type: none"> ● To inculcate their learning and to see how it can be seen in our day-to-day life 	<p>Students will know about-</p> <ul style="list-style-type: none"> ● Font and paragraph formatting ● Modification of page layout ● Header and footer ● How to print a document 	CT 2(L-4) T2 (L4)
NOV '23	L 6- Introduction to PowerPoint	08	<ul style="list-style-type: none"> ● Starting MS PowerPoint ● Components of MS PowerPoint Title bar, Ribbon , File tab , Slide Pane, Slide, Placeholder, Status bar ● Creating a blank presentation Adding text, Adding slides ● Adding pictures on a slide From file, From clip Art ● Working with text Modifying font, Deleting text ● Copying / Cutting and Pasting text ● Moving the text 	<ul style="list-style-type: none"> ● To promote Art-Integrated learning 	<p>Students will know about-</p> <ul style="list-style-type: none"> ● How to start MS PowerPoint 2010 ● Components of MS PowerPoint window ● Creating a blank presentation ● Adding pictures and 	UT 2 (L-6) T2 (L6)

DEC '23	L 6- Introduction to PowerPoint	06	<ul style="list-style-type: none"> ● Moving the text box or Placeholder ● Adding bullets/numbers ● Text Alignment ● Deleting a slide ● Saving a Presentation ● Closing a presentation/Existing MS PowerPoint, Opening a presentation <p>LAB ACTIVITY:Create a presentation. use slide of your choice. write 5-6 lines about Achievements of BACHENDRI PAL. Insert her picture in the slide. take out the printout and paste in your copy.</p>	<ul style="list-style-type: none"> ● To associate the knowledge with real time application by making ppt 	<p>Students will know about-</p> <ul style="list-style-type: none"> ● Working with text on a slide ● Deleting and saving a presentation ● Viewing a slide show ppt 	UT 2(L-6) T2 (L6)
JAN '24	L 7- Movements of a Sprite	08	<ul style="list-style-type: none"> ● Basic concept of the programming language – SCRATCH ● Creating a new project ● Changing the appearance of a Sprite ● Making a Sprite say something ● Repeating Actions ● Control block menu 	<ul style="list-style-type: none"> ● To inculcate creativity and hand-on-experience 	<p>Students will know about-</p> <ul style="list-style-type: none"> ● How to create a new project ● How to change the appearance of a Sprite 	T II (L-7)
FEB '24	L 7- Movements of a Sprite	06	<ul style="list-style-type: none"> ● Adding sound in a Scratch Project ● Written work- Exercises , Intext questions , Quiz (MCQ) 	<ul style="list-style-type: none"> ● Application of 21st century skills 	<p>Students will know about-</p> <ul style="list-style-type: none"> ● Making a Sprite say something ● Control block menu ● How to add sound 	T II (L-7)

ART AND CRAFT

MONTH	CHAPTER	No. of periods	TOPICS	● LEARNING OBJECTIVE	LEARNING OUTCOME	CT/UT/ Term
APRIL '23	L-1	4	<ul style="list-style-type: none"> ● Colours ● Making the colour chart. ● Different shapes shading ● use pastel colour. ● Compose any object, shape, Kitchen pots composition drawing and shading 	<ul style="list-style-type: none"> ● Understand about Primary colour, secondary colour making the colour chart. ● Know about drawings different shapes shading, and use pastel colour. 	<ul style="list-style-type: none"> ● Learn about how to draw and draw and shade. 	

			<ul style="list-style-type: none"> • A Horse (Draw and colour) 			
MAY '23	L-2	2	<ul style="list-style-type: none"> • Natural effect of sky 	<ul style="list-style-type: none"> • Learn about Drawing to give a natural effect of sky, first colour the area of sky with white and then with blue crayon. 	<ul style="list-style-type: none"> • Know about sky colouring to represent different scenes. 	
JUNE '23	L-3,4	4	<ul style="list-style-type: none"> • Ice game composition • collage work • An aquarium in pastel colour medium. • Fruits basket (use oil pastel colour). • Human body parts making. 	<ul style="list-style-type: none"> • Know about Ice game composition with cotton • Learn drawing of an aquarium in pastel colour medium. 	<ul style="list-style-type: none"> • Understand the use of oil pastel colour. • Know about different shapes of human body parts and will try to make them. 	
JULY '23	L- 5,6	4	<p>Natural scene and use pastel colour</p> <p>Fruits composition</p> <p>Lord Jagannath picture</p> <p>SUBJECT ENRICHMENT:</p> <p>Mythological stories based on Lord Jagannath (Collaboration with Social Science)</p> <p>Drawing ship in water</p>	<ul style="list-style-type: none"> • To make a natural scene and use pastel colour. • Draw and colour a fruits composition learning about rendering technique • To colour Lord Jagannath picture drawing and colour pastel colour 	<ul style="list-style-type: none"> • Understand the cultural diversity in our India and the god we pray through art. • Know how to make fruit composition. 	
AUG '23	L-7 ' 8, 9	4	<ul style="list-style-type: none"> • Raksha Bandhan scene • A collage work • sea-shore scene • Draw a scene of Prabhat feri occasion of 15th august • Stick men are playing (drawing and sketching by line) 	<ul style="list-style-type: none"> • Understand about Raksha Bandhan scene drawing and colour • A collage work (flower with pot) wastes paper • Learn about drawing and colouring sea-shore scene. • Understand the significance of Independence Day and creative representation of it. 	<ul style="list-style-type: none"> • Develop national spirit and will show their creative art work with Theme- India. 	

SEPT '23	L- 10,11	4	<ul style="list-style-type: none"> Birds Drawing and sketching by pencil Shading still life by 6B pencil. 	<ul style="list-style-type: none"> Know about different variety of birds and to make them. Learn about the use of different pencils for shading. 	<ul style="list-style-type: none"> How to draw a bird in different postures. Understand about shading and its minute effects. 	
OCT '23	L- 12,13	4	Portrait making- Mahatma Gandhi Musical instruments Subject Enrichment: (Integrated with English) picture composition based on a story of Panchatantra. Draw a dhaki picture for Durga puja Draw and colour a house picture and fill up colour in oil pastel medium	<ul style="list-style-type: none"> Know about Musical instruments drawing and colouring. Understand the contribution of Mahatma Gandhi. 	<ul style="list-style-type: none"> Identify different types of musical instruments and how to make their drawings. 	
NOV '23	L-14	4	<ul style="list-style-type: none"> Pot & diya painting Diwali decoration. Dipawali Rangoli from sand SUBJECT ENRICHMENT: Line symmetry (integrated with maths) through activity of paper cutting and folding, design on symmetry will be created Aluminium foil paper activity	<ul style="list-style-type: none"> Learn to make Pot & diya painting and decorated with beat and coral 	<ul style="list-style-type: none"> Understand about the decoration work done in diwali 	
DEC '23	<ul style="list-style-type: none"> L- 15,16 	4	<ul style="list-style-type: none"> Wax crayon Batik painting Cards- making Cloth design and colouring by oil pastel 	<ul style="list-style-type: none"> Learn the drawing of wax crayon Batik painting EXPERIENTIAL LEARNING: Make table cloth in potato stompng technique Cards- making for Christmas and New year's cards in potato stompng method. Drawing some cloth design and colouring by oil pastel colour 	<ul style="list-style-type: none"> Know how to make cards using easily available materials. Identify different types of paintings Acrylic, oil pastel etc. 	

JAN '24	<ul style="list-style-type: none"> L-17, 18 	4	Rangoli pattern <ul style="list-style-type: none"> Birds study pencil drawing, in threads colour technique natural scene- spray technique Sari border design 	<ul style="list-style-type: none"> To Draw and colour Rangoli pattern. Birds study pencil drawing, in threads colour technique Draw and colour a natural scene spray technique. 	<ul style="list-style-type: none"> Analyse types of rangoli design for different occasion. Know Drawing and colouring sari. 	
FEB '24	L-19, 20	2	<ul style="list-style-type: none"> Fun with bangle drawing and colouring Fun with shapes Natural scene on sand paper from oil pastel colour Learning about poster making. 	<ul style="list-style-type: none"> Understand bangle drawing and colouring. Know about different types of shapes. 	<ul style="list-style-type: none"> Know about Natural scene on sand paper from oil pastel colour Learning about poster making . 	

DANCE

MONTH	CHAPTER	No. of periods	TOPICS	LEARNING OBJECTIVE	LEARNING OUTCOME	CT/UT/ Term
APRIL '23	Leg Movement	04	<ul style="list-style-type: none"> Guru Pranam, Leg Movement 	<ul style="list-style-type: none"> Perform movement using different dance techniques with attention to alignment, style, quality, weight and rhythm. 	<ul style="list-style-type: none"> Improve oral, written and critical thinking skills. 	----
MAY '23	Body Moves	02	<ul style="list-style-type: none"> Hand Movements, TukraBhao 	<ul style="list-style-type: none"> Learn new things, like sounds, words and patterns through dance. Explore and control their body movements, to develop and stimulate connections in the growing brain. 	<ul style="list-style-type: none"> Improve balance, coordination, flexibility and strength. 	----
JUNE '23	Semi Classical	02	<ul style="list-style-type: none"> Semi Classical Dance 	<ul style="list-style-type: none"> Perform classical dance to improve balance, strength and flexibility. 	<ul style="list-style-type: none"> Improve condition of heart and lungs. 	----
JULY '23	Vandana& AIL- Goa, Jharkhand	04	<ul style="list-style-type: none"> Ganesh Vandana 	<ul style="list-style-type: none"> Facilitate and promote the overall development of personality of the child. 	<ul style="list-style-type: none"> Develop confidence, discipline and overall balance. 	----

AUG '23	Patriotic Dance & Independence Day Celebration	04	<ul style="list-style-type: none"> Patriotic Mash ups Dance 	<ul style="list-style-type: none"> Imbibe nationalism and national integration through celebrations of important days, national, social and religious festivals and occasions. 	<ul style="list-style-type: none"> Develop teamwork, focus and improvisational skills. 	----
SEPT '23	Mudras	02	<ul style="list-style-type: none"> Different parts of mudras 	<ul style="list-style-type: none"> Know the main dance forms of India with related activities. 	<ul style="list-style-type: none"> Improve balance, grace and postures. 	----
OCT '23	Goddess MaaDurga dance	03	<ul style="list-style-type: none"> AigiriNandini 	<ul style="list-style-type: none"> Know about the victory of the goddess Durga over the demon king Mahishasura. 	<ul style="list-style-type: none"> Understand Durga Maa with her eight hands epitomizes the word multi-tasking. 	----
NOV '23	Vandana	04	<ul style="list-style-type: none"> Guru Vandana 	<ul style="list-style-type: none"> Social development and consideration for all. 	<ul style="list-style-type: none"> Understand prayer is first in the structure of any classical dance. 	----
DEC '23	Folk	03	<ul style="list-style-type: none"> Rajasthani Folk 	<ul style="list-style-type: none"> Integrate dance with the scholastic and co-scholastic subject of study. 	<ul style="list-style-type: none"> Know that the Bhil tribe performed to worship Goddess Saraswati. 	----
JAN '24	Swagatm & Republic Day	04	<ul style="list-style-type: none"> Su Swagatm 	<ul style="list-style-type: none"> Sensitize the youth about the cultural diversity and rich heritage of the country and thus inculcate respect and pride for it. 	<ul style="list-style-type: none"> Learn to create an understanding for the practical function of theatre stage. 	----
FEB '24	Vandana	02	<ul style="list-style-type: none"> SaraswatiVandana 	<ul style="list-style-type: none"> Recognize Saraswati as a Hindu goddess who represents education, creativity and music 	<ul style="list-style-type: none"> Improve children's memory, cognitive development learning skills. 	----

MUSIC						
MONTH	CHAPTER	No. of periods	TOPICS	LEARNING OBJECTIVE	LEARNING OUTCOME	CT/UT/ Term
APRIL '23	<ul style="list-style-type: none"> Introduction of music Bhajan 	4	<ul style="list-style-type: none"> Introduction of music Achutamkeshwam P1 Achutamkeshwam P2 Achutamkeshwam P3 	<ul style="list-style-type: none"> Understand the actual meaning of music and Bhajan. 	<ul style="list-style-type: none"> Determine the concepts of Indian music. 	----
MAY '23	PrernaGeet	2	<ul style="list-style-type: none"> Hartarafharjagah P1 Hartarafharjagah P2 Celebration of Rabindra Jayanti 	<ul style="list-style-type: none"> To be aware of the power of the almighty God that how he helps us in difficult times. 	<ul style="list-style-type: none"> Understand the importance of patience in adverse situations and have faith on God for a change. 	----
JUNE '23	Sargam	2	<ul style="list-style-type: none"> Sargam and alankar P1 Sargam and alankar P2 AIL- Community singing of Goa and Jharkhand folk songs and project work. Preparation for World music day. 	<ul style="list-style-type: none"> Know the base part of the Indian classical music that is SARGAM. 	<ul style="list-style-type: none"> Learn to sing sargam and its importance in Music. 	----
JULY '23	Gandhi jee song	4	<ul style="list-style-type: none"> De di humeazadi P1 De di humeazadi P2 De di humeazadi P3 AIL- Community singing of Goa and Jharkhand folk song and project work. 	<ul style="list-style-type: none"> Narrate the life story of the father of the nation (Mahatma Gandhi). 	<ul style="list-style-type: none"> Acknowledge Bapu's contributions for India's independence and figure out the kindness and simplicity of Mahatma Gandhi. 	----
AUG '23	Patriotic song Krishna Bhajan	4	<ul style="list-style-type: none"> Jago tum jago P1 Jago tum jago P2 Shyam Teri bansi P1 Shyamteribansi P2 Music competition selection round (III-V). 	<ul style="list-style-type: none"> To arouse the nationalist sentiments in learners. 	<ul style="list-style-type: none"> Enhance the feeling of patriotism. 	----
SEPT '23	Sargam playing on instruments.	2	<ul style="list-style-type: none"> Sargam playing P1 Sargam playing P2 	<ul style="list-style-type: none"> Play swars and sargams on instruments like keyboard and harmonium. 	<ul style="list-style-type: none"> Boost children's potential in understanding the pattern and methods of playing Indian instruments. 	----

OCT '23	Mata Bhajan	3	<ul style="list-style-type: none"> Jai jaibhavani P1 Jai jaibhavani P2 Jai jaibhavani P3 Practice started for Music competition. 	<ul style="list-style-type: none"> Inculcate the feeling of bhakti by learning about goddess Durga. Know about the legend of Ramayana. 	<ul style="list-style-type: none"> Reflect the importance of the 10th day of Navratri that is Vijay Dashmi. 	----
NOV '23	Prayer Tansen life story	4	<ul style="list-style-type: none"> Humko man ki P1 Humko man ki P2 Tansen story P1 Tansen story P2 Final music competition (III-V) 	<ul style="list-style-type: none"> Understand the meaning of the prayer. Develop interest in music after listening to Life story of the great Tansen. 	<ul style="list-style-type: none"> Increase devotion towards the legends of the music. Acknowledge Tansen's contribution in creating many ragas. 	----
DEC '23	Christmas song	3	<ul style="list-style-type: none"> Jingle bells Teri haizamee P1 Teri haizamee P2 	<ul style="list-style-type: none"> Understand the importance of celebrating Christmas Know about Lord Jesus. 	<ul style="list-style-type: none"> Explain the story of Lord Jesus. 	----
JAN '24	Tabla	4	<ul style="list-style-type: none"> Tabla P1 Tabla P2 Tabla P3 Tabla P4 	<ul style="list-style-type: none"> Practice parts and phrases of tabla. 	<ul style="list-style-type: none"> Perform with table. 	----
FEB '24	Saraswativandna	2	<ul style="list-style-type: none"> Mata Saraswati P1 Mata Saraswati P2 	<ul style="list-style-type: none"> Interpret the importance of Basant Panchami. 	<ul style="list-style-type: none"> Recognize Saraswati as a Hindu goddess who represents education, creativity and music 	----

PHYSICAL EDUCATION

MONTH	CHAPTER	No. of periods	TOPICS	LEARNING OBJECTIVE	LEARNINGOUTCOME	CT/UT/ Term
APRIL '23		4	<ul style="list-style-type: none"> Freehand exercise 	<ul style="list-style-type: none"> Understand importance of correct body posture 	<ul style="list-style-type: none"> Improve body posture 	----
MAY '23		1	<ul style="list-style-type: none"> Spoon race 	<ul style="list-style-type: none"> Develop motor skills 	<ul style="list-style-type: none"> Enhance motor skills Know about balancing objects. 	----
JUNE '23		2	<ul style="list-style-type: none"> Tunnel ball 	<ul style="list-style-type: none"> Learn hand-eye coordination 	<ul style="list-style-type: none"> Coordinate hands and eyes 	----
JULY '23		4	<ul style="list-style-type: none"> Chess Aerobics Shuttle run Plog race 	<ul style="list-style-type: none"> Increase mental IQ and strengthen muscles 	<ul style="list-style-type: none"> Enhance mental IQ Strengthened muscles 	----

AUG '23		4	<ul style="list-style-type: none"> Kabaddi 1.Endurance (raider) 2.Concentration and celebration (catcher) 3.Strength development 	<ul style="list-style-type: none"> Integrate Science to sports to improve endurance 	<ul style="list-style-type: none"> Increase reflective ability 	----
SEPT '23		2	<ul style="list-style-type: none"> Tunnel ball 	<ul style="list-style-type: none"> Improve spatial awareness 	<ul style="list-style-type: none"> Enhance spatial awareness 	----
OCT '23		3	<ul style="list-style-type: none"> Sack race Plog race 	<ul style="list-style-type: none"> Strengthen Steadiness and balance 	<ul style="list-style-type: none"> Improve steadiness and balance 	----
NOV '23		4	<ul style="list-style-type: none"> Kaaddi Kho-kho 	<ul style="list-style-type: none"> Learn team spirit (Life skill) 	<ul style="list-style-type: none"> Enhanced team spirit Develop Team spirit and leadership quality 	----
DEC '23		3	<ul style="list-style-type: none"> Aiming the target Hit the point, Pitto 	<ul style="list-style-type: none"> Enhance focus on target 	<ul style="list-style-type: none"> Improve focus 	----
JAN '24		4	<ul style="list-style-type: none"> Kho-Kho – Square-sitting box 30x30 cm 2.Pole- Height 1m x 1.2m 3.Rectangular field- 27 x 16 Metre 4. Single chain 180° Chain break 360° 	<ul style="list-style-type: none"> Correlating mathematical shapes with games (Integration with maths) 	<ul style="list-style-type: none"> Relate Mathematical concepts with sports. 	----
FEB '24		2	<ul style="list-style-type: none"> Tug of war Kho-kho 	<ul style="list-style-type: none"> Improve physical and mental strength To enhance Strength and coordination. 	<ul style="list-style-type: none"> Perform physical and mental activities. 	----