

TERM AND MONTH-WISE SPLIT-UP SYLLABI OF CLASS IX FOR THE SESSION 2025-2026

Text Books: 1. Main Course Book, CBSE, New Delhi
2. Interact in English, Literature Reader, CBSE, New Delhi
3. Workbook, CBSE, New Delhi

Month	WD	Chapter/ Sub-Topics	Learning Objectives	Key Terms and Concept	Art Integration	Inclusive Teaching	Project / Practical	Research Work Blended Learning	Competency Based Activity Learning	Learning Outcomes
APRI L	24	Fiction: How I Taught My Grandmother to Read	To understand values like determination, literacy, and gender equality through narrative text	Autobiography, empowerment, gender roles, literacy	Comic strip/storyboard showing scenes from the story	Role-play between teacher and student; reading assistance	Interview a senior family member about their education	Character sketch presentation on smart board	Recreate a dialogue based on the story context	Recognizes story theme and reflects on social change
April	24	Poetry: The Brook	To identify the poem's theme, structure, rhyme, and personification	Personification, metaphor, symbolism, rhyming scheme	Draw the journey of the brook as a visual map	Listening to audio rendition of the poem	Create a poem based on a journey metaphor	Poem animation with sound effects via smart board	Compare brook's journey to human life stages	Demonstrates poetic understanding and literary devices
April	24	MCB Unit 1: People – Exemplary Leader	To analyze leadership qualities and understand biographies	Leadership, biography, values, inspiration	Design a badge/banner on leadership traits	Story narration of inspiring leaders from diverse backgrounds	Make a collage of world leaders and their contributions	Interactive quiz on leaders via smart tools	Group discussion on qualities of a good leader	Describes and evaluates leadership skills
April	24	MCB Unit 1: People – A Burglary Attempt	To develop comprehension and inference from a suspense narrative	Suspense, sequencing, moral values, consequences	Comic strip of the incident in the story	Guided reading support for varied learning styles	Create an alternate ending or diary entry from a character's POV	Create a digital flowchart of events	Problem- solving based on what the character should do next	Understands plot structure and moral implications

April	24	MCB Unit 1: People – Can You Know People You Haven’t Met?	To explore perception and assumptions in human behavior	Stereotypes, assumptions, empathy, perception	Create a silhouette character sketch based on impressions	Discussing experiences of judging people wrongly	Survey on first impressions among classmates	Smart board presentation on judging vs understanding	Role-play: Guess the character based on clues	Learns critical thinking and empathy
April	24	Grammar: Verb Forms / Tense / Modals / Reported Speech	To master correct usage of tense, modals, and reporting dialogues	Present/past/future tense, modals (can, may, should), reported speech	Grammar puzzle charts	Differentiated worksheets for varied levels	Reported speech comic dialogues	Interactive grammar games and quizzes	Group activity: Rewrite dialogues using rules	Applies grammar concepts in writing and speech
April	24	Writing: Notice Writing / Informal Letter	To develop structured writing skills for real-life contexts	Format, content, salutation, subject, tone	Design creative notice boards or letter templates	Peer review writing circles	Draft a notice or letter on school event	Typing and editing letters on smart devices	Role-play based on given writing scenarios	Demonstrates formal and informal writing proficiency
May	08	Fiction: A Dog Named Duke	To understand themes of companionship, loyalty, and emotional strength	Rehabilitation, loyalty, resilience, therapy dogs	Create a tribute collage for dogs that help humans	Discussing personal experiences with pets	Research on real-life service dogs	Smartboard video on therapy animals	Group discussion on animal and human bonds	Demonstrates empathy and emotional understanding
May	08	Grammar: Determiners, Pronouns, Sentence Reordering	To use determiners and pronouns accurately and restructure sentences logically	Articles, quantifiers, demonstratives, relative pronouns	Grammar tree for determiners	Sentence matching activity for struggling learners	Create a mini-book of rules and examples	Drag-and-drop exercises on smartboard	Peer correction and sentence rebuilding	Uses grammar elements correctly in speech and writing
May	08	Writing: Dialogue Writing	To compose context-based dialogues using proper structure and expression	Punctuation, tone, informal speech, format	Comic strip dialogue creation	Paired speaking tasks	Prepare a mini skit based on written dialogues	Role-play exercises using smartboard prompts	Collaborative writing of skits	Writes dialogues appropriate to situation and context
June	14	Poetry: The Road Not Taken	To appreciate decision-making and life choices through poetic expression	Symbolism, metaphor, rhyme, narrative voice	Create a fork-road art with two paths	Group discussion on personal choices	Write a reflective diary on a life choice	Interactive line-by-line poem analysis	Choice-based discussion forums	Understands metaphorical significance of decisions
June	14	Grammar: Determiners	To apply rules of grammar with a	Will, going to, present	Timeline art for future tense	Tense transformation	Prepare a conversation	Smartboard tense timeline	Tense relay games	Effectively uses future

		(Contd.), Future Time Reference, Reported Speech	focus on future tense and reported speech	continuous for future, reporting verbs	usage	exercises with peer support	using reported speech and future events			forms in writing and speech
June	14	Writing: Informal Letter	To write personal letters with appropriate format and tone	Salutation, signature, tone, structure	Decorate letter templates	Model letters for weaker learners	Letter to a friend sharing an experience	Letter editing practice on smartboard	Letter- writing challenge	Writes well- structured, expressive letters
July	26	Fiction: The Man Who Knew Too Much	To understand irony, pride, and humility through character analysis	Irony, arrogance, military training, satire	Sketch a caricature of the protagonist	Role-play the dialogue-heavy scenes for better understanding	Character map and timeline	Watch a related short film and analyze	Debate: 'Knowledge vs. Wisdom'	Identifies character traits and themes
July	26	Drama: Villa for Sale	To explore humor, satire, and dramatic elements	Dialogue, stage direction, satire, humor	Stage a scene using minimal props	Guided rehearsal for all learning styles	Design a set for the play	Smartboard theatre-based activities	Drama- based group activity	Appreciates theatrical techniques and story structure
July	26	MCB Unit 2: Adventure – The Final Flight	To inspire courage through real-life adventure narrative	Aviation, courage, perseverance	Poster of an inspiring adventurer	Story circle about facing fears	Research project on famous aviators	Virtual tour of historical flights	Group presentation on modern adventures	Learns perseverance and risk-taking
July	26	Grammar: Modals, Subject-Verb Concord	To apply modals for obligation, permission, and correctness	Can, could, must, shall, agreement, number	Create modal usage charts	Modals matching activity for weaker students	Create a classroom behavior chart using modals	Interactive board exercises	Verb- modals bingo game	Uses modals and subject- verb agreement correctly
July	26	Writing: Paragraph Writing	To structure ideas logically in paragraph form	Topic sentence, coherence, transitions	Mind maps for paragraph planning	Group brainstorming activity	Visual cue- based paragraph writing	Interactive board writing demo	Peer feedback round-robin	Writes coherent and relevant paragraphs
July	26	Fiction: The Man Who Knew Too Much	To analyze character traits and understand irony and satire in narrative	Irony, satire, self- image, exaggeration	Character sketch drawing	Reading aloud with roles	Write a diary entry from the narrator's perspective	Scene depiction on smartboard	Role-based storytelling	Identifies narrative tone and irony
July	26	Drama: Villa for Sale	To understand dramatic elements	Script, stage direction, irony,	Stage layout or script design	Group performance in	Rewriting the play	Virtual stage performance via	Script writing from	Appreciates elements of

			and humor in a play	dramatic tension		parts	ending	board	visual cues	drama and theatrical form
July	26	MCB Unit 2: Adventure – The Final Flight	To explore courage and ambition through real-life experiences	Aviation, ambition, challenge, perseverance	Poster on women in aviation	Discussing gender roles in adventure	Research on Kalpana Chawla or similar figures	Interactive timeline on smartboard	Adventure simulation quiz	Learns determination and courage through real stories
July	26	MCB Unit 2: Adventure – The Sound of the Shell	To understand decision-making and fear management	Sound signals, emergency, bravery	Create survival sound signal symbols	Story completion exercise	Prepare survival guide based on the story	Map-based decision making task	Group crisis response activity	Demonstrates problem-solving in adventurous contexts
July	26	Grammar: Modals, Subject-Verb Concord	To use modal verbs correctly and ensure subject-verb agreement	Can, should, might, agreement rules	Modal tree diagrams	Verb agreement cards for dyslexic students	Compose sentences using multiple modals	Smartboard drag-and-drop verb match	Grammar correction relay	Applies modals and concord in writing tasks
August	22	Poetry: The Solitary Reaper	To analyze mood, setting and auditory imagery in the poem	Imagery, melody, solitude, pastoral	Paint the Highland scene	Audio poem playback	Music-inspired poetry writing	Audio-visual contrast via smart tools	Sensory-based description writing	Appreciates poetic sounds and solitude themes
August	22	MCB Unit 3: Environment – Save Mother Earth	To create awareness about environmental protection	Environment, sustainability, awareness, pollution	Poster on Earth Day	Tree-planting initiative	Survey/report on pollution near school	Presentations of local eco-initiatives	Group discussion on saving nature	Applies awareness into real-life conservation
August	22	Grammar: Connectors, Phrases and Clauses, Relative Clauses	To connect ideas logically and use clause structures effectively	Conjunctions, types of phrases, relative pronouns	Connector map poster	Clause-sorting game	Create complex sentence chains	Smartboard clause builder	Sentence combining challenge	Builds grammatically rich sentence structures
September	05	Half-Yearly Revision	To revise and reinforce term 1 content	Review, reinforcement, practice	Mind maps for chapters	Pair feedback sessions	Complete past paper questions	Smartboard quiz showdown	Mock assessment	Shows readiness for half-yearly exams

Oct	13	Fiction 4: Keeping it from Harold Poetry: Song of the Rain Unit 5: Mystery a. Bermuda Triangle b. The Invisible Man c. The Tragedy of Birlstone d. Harry Potter	To understand mystery elements, poetic imagery, and passive constructions	Mystery, suspense, personification, passive voice	Create mystery storyboards or rain-inspired art	Story audio support; grammar scaffolding	Short mystery comic creation	Poetry visualization using smartboard	Mystery puzzle-solving task	Understands mystery narrative and passive use Literature & Grammar from Oct
Nov	22	Poem: The Seven Ages Fiction: Best Seller Passive Voice (Contd) Informal Letter (Describing a situation) Formal Letter (to Civic Authorities)	To analyze life stages, social themes, and structured writing	Life stages, childhood, social change, passive, formal tone	Timeline comic of seven ages, digital awareness posters	Letter writing templates for practice	Survey on child tech use or stage acting	Animated age transitions or grammar board game	Childhood comparison charts	Interprets theme and uses appropriate writing structures Literature & Grammar from Nov
		Unit 6: Children a. Tom Sawyer b. Children of India c. Children and Computers d. Life Skills	To analyze life stages, social themes, and structured writing	Life stages, childhood, social change, passive, formal tone	Timeline comic, digital awareness posters	SIDE EFFECTS OF TECHNOLOGY	Survey on child tech use or stage acting	Animated age transitions or grammar board game		

		e. We are the World								
Dec	23	Poetry: Oh, I Wish I'd Looked After Me Teeth Drama: The Bishop's Candlesticks	To develop oral health awareness, analyze drama, and learn reported speech	Oral hygiene, empathy, sportsmanship, reporting verbs	Dental health posters, sports scene sketches	Reading aloud and performance support	Sports report or article writing	Scene walkthrough using smartboard	Reported speech role-play	Shows empathy and grammatical accuracy Literature & Grammar from Dec
		Unit 7: Sports and Games a. Grandmaster Koneru Humpy b. It's Sports Day c. Hockey and Football Reported Speech Paragraph Writing	To enhance reading comprehension through texts related to sports	Grandmaster, tournament, sportsmanship, dribble, checkmate, field position, reported speech (statements, questions, commands), paragraph structure	Create a collage of national and international sports personalities - Design a mini comic strip showing a sports interview using reported speech	Use visual aids and real-life videos for differently-abled learners - Encourage group work with mixed-ability pairing - Allow verbal or pictorial paragraph responses where needed	Interview a local coach or sports teacher and report the conversation using reported speech - Organize a mini Sports Quiz in class		Convert real or imaginary dialogues between two players into reported speech - Write a paragraph on "Why I love sports" or "A Match I Will Never Forget"	Students will be able to comprehend and analyze texts related to sports - Accurately transform sentences into reported speech - Write coherent paragraphs with proper structure and vocabulary
Jan	16	Drama: The Bishop's Candlesticks (Contd) Unit 8: Prepositions	To master prepositions, integrated grammar and apply drama learnings	Prepositions of place/time, sequencing, tone	Stage direction mapping, preposition art	Grammar reinforcement tools	Script rewriting using grammar focus	Preposition journey game	Grammar escape room challenge	Applies integrated grammar in written and spoken formats

		Grammar Integration Writing Practice								Literature & Grammar from Jan
Feb		Revision & Annual Examination	To revise and consolidate the yearly syllabus	Review, summary, exam skills	Syllabus recap posters or chapter collages	Mock tests and concept clarity sessions	Sample paper solving	Smartboard quiz league	Peer teaching and quiz relay	Demonstrates yearly learning outcomes Full Yearly Syllabus

विषय—हिंदी

पाठ्य-पुस्तक : 1. क्षितिज भाग-1 2. कृतिका भाग-1 3. व्याकरण निधि

Month	WD / NOP	पाठ	सीखने के उद्देश्य	संबंध और विचार	कला समेकित	समावेशी शिक्षा	परियोजना कार्य	मिश्रित शिक्षण प्रणाली	स्मार्ट बोर्ड गतिविधि	योग्यता आधारित शिक्षा	सीखने के परिणाम
APRIL	24	क्षितिज—(गद्य खंड)— दो बैलों की कथा	देशभक्ति की भावना का विकास	किसान और पशुओं के बीच परस्पर संबंध	बैलों के चित्र बनाना	परिस्थिति का ज्ञान	कहानी का नाट्य रूपांतरण	स्वतंत्रता सेनानियों के नामों का संकलन	वीडियो	देश के प्रति प्रेम रखना	देशभक्ति का भाव
		(काव्य खंड)— कबीर की साखियाँ	भक्तिकाल का ज्ञान	निर्गुणभक्ति का भाव	कबीरदास का चित्र बनाकर उनकी जीवनी लिखना	हिंदी साहित्य का काल विभाजन	कबीरदास का चित्र बनाना	भक्तिकाल के अन्य रचनाओं का ज्ञान	वीडियो	भक्तिकाल का ज्ञान	निर्गुण भक्ति का ज्ञान
		व्याकरण— उपसर्ग एवं प्रत्यय एवं अपठित गद्यांश	उपसर्ग एवं प्रत्यय एवं उसके प्रकारों का ज्ञान	शब्द रचना	शब्द विचार	शब्द का ज्ञान	शब्द रचना	शब्द रचना व परिवर्तन	टाटा क्लासेस	शब्द पहचान, रचना व परिवर्तन	व्याकरण बोध
		कृतिका—इस जल प्रलय में	ग्रामीण परिवेश एवं बाढ़ की विभीषिका से परिचय	जन सामान्य का व्यवहार	प्राकृतिक आपदा के समय सावधानी	ग्रामीण परिवेश की स्थितियाँ	ग्रामीण परिवेश का चित्रण	1930, 1047 0 1967 के दशक की बाढ़ की तुलना	टाटा क्लासेस	मगही भाषा के शब्दों का प्रयोग	आपदा प्रबंधन
MAY	08	अपठित काव्यांश, अनुच्छेद लेखन व पत्र लेखन	समझ व विश्लेषण का ज्ञान	समझ व विश्लेषण की योग्यता	वैचारिक निर्णय	परिस्थितियों का ज्ञान	अनुच्छेद लेखन	लेखन व विचार संबंधी ज्ञान	टाटा क्लासेस	विश्लेषण चिंतन व लेखन	ज्ञान आधारित बोध
JUNE	14	क्षितिज—(गद्य खंड)— लहासा की ओर	यात्रा—वृत्तांत का परिचय	तिब्बत की सामाजिक व्यवस्था	तिब्बत की ग्रामीण परिवेश का ज्ञान	मानवीय मूल्यों का परिचय	पर्वतीय परिवेश का चित्रण	रूढ़िवादी विचारों का खंडन	टाटा क्लासेस	मानवीय विचार आधारित जीवन	मानवीय विचारों का व्यावहारिक ज्ञान
		(काव्य खंड)— वाख। व्याकरण— समास एवं उसके प्रकार,	दिखावा रहित जीवन	परिस्थितियों का जीवन पर प्रभाव	कविता का सस्वर पाठ	परिस्थितियों से प्रभावित जीवन	ललदयद की चित्र सहित जीवनी	भक्तिकाल के अन्य कवियों के विचार	टाटा क्लासेस	मानव जीवन की परिस्थितियाँ	मानवीय मूल्यों का ज्ञान

JULY	26	क्षितिज—(गद्य खंड)—उपभोक्तावाद की संस्कृति लेखन—लघुकथा लेखन।	बाजारी विज्ञापनों से प्रभावित समाज की वास्तविकता	प्रदर्शनपूर्ण दिखावा विचारों का वर्णन	लघुकथा लेखन का प्रारूप बनाना	देखा—देखी शैली का वर्णन	लघुकथा लेखन करना	वैचारिक तर्क शक्ति विकसित करना	स्मार्ट बोर्ड	कथा—लेखन का ज्ञान	दिखावा ओछी प्रवृत्ति की पहचान
		(काव्य खंड)—रसखान के सवैये	ब्रजभूमि व कृष्ण के प्रति अनुराग	समर्पण का भाव	श्रीकृष्ण का चित्र सहित वर्णन	ब्रजभाषा का सहज एवं मनोहर रूप	सवैया छंद की गीतमयता एवं लालित्य	भावों की सरल एवं सहज स्वाभाविक अभिव्यक्ति	स्मार्ट बोर्ड	सस्वर काव्य पाठ	प्रेम की तन्मयता और आसक्ति
		कृतिका—मेरे संग की औरतें	सामान्य जन की देशभक्ति	लेखिका की नानी का आजाद—ख्याल	विभिन्न महिलाओं के विचारों का वर्णन	परिस्थितियों के अनुसार प्रदर्शन	स्वाभाविक चित्रण	पीढ़ियों में जीवन शैली में अंतर	स्मार्ट क्लासेस	संस्मरणात्मक शैली का ज्ञान	सहज व्यवहार द्वारा व्यक्तित्व परिवर्तन का ज्ञान
		संवाद लेखन	व्याकरण बोध	संवाद का परिचय	संवाद लेखन शैली का विवरण	वार्तालाप शैली का परिचय	संवाद लेखन का अभ्यास	संवाद का परिचय	टाटा क्लासेस	संवाद शैली का परिचय	संवाद लेखन का ज्ञान
AUG	22	क्षितिज—(गद्य खंड)—साँवले सपनों की याद	सालिम अली की पक्षियों के प्रति सोच का वर्णन	व्यक्तित्व पर आधारित एक व्यक्ति चित्र	संस्मरण का वर्णन	सालिम अली की अंतहीन यात्रा	साँवले सपनों का महत्व	सलिम अली का पक्षी—प्रेमी व्यक्तित्व	स्मार्ट क्लासेस	पक्षी—प्रेम की प्रेरणा	सालिम अली का जटिल प्राणियों के लिए पहेली होना
		क्षितिज—(काव्य खंड)—कैदी और कोकिला	भारतीय स्वतंत्रता सेनानियों के प्रति जेल में किए गए दुर्व्यवहार का वर्णन	गुलामी परिवेश का चिंतन पर प्रभाव	ब्रिटिश शासन के प्रति आक्रोश प्रकट करना	अंग्रेजी शासन की क्रूरता का वर्णन	कैदियों की दुर्दशा का वर्णन	भाव—अभिव्यक्ति चिंतन और लेखन	स्मार्ट बोर्ड	परिस्थितियों का प्रभाव	स्वतंत्रता सेनानियों की विवशता
		व्याकरण—शब्दालंकार अनुप्रास, यमक अर्थालंकार—उपमा, रूपक।	व्याकरण बोध	अलंकारों का परिचय	चित्र द्वारा अलंकारों का विवरण	अलंकारों का परिचय	अलंकारों के विभिन्न भेदों का प्रदर्शन	अलंकारों के भेदों का परिचय	टाटा क्लासेस	विभिन्न अलंकारों का परिचय	अलंकारों का ज्ञान
		कृतिका—रीढ़ की हड्डी	समाज में लड़का—लड़की के बीच मौजूद भेदभाव का वर्णन	रूढ़िवादी विचारों का खंडन	एकांकी का नाट्य—मंचन	लड़कियों की शिक्षा के प्रति विविध सोच	अंधविश्वासों का खंडन व साहसी व्यक्तित्व	अधिकारों के प्रति जागरूकता	टाटा क्लासेस	जीवन में शिक्षा की आवश्यकता	दहेज लोभियों को सबक
SEPT	05	क्षितिज—(काव्य खंड)—ग्राम—श्री	ग्रामीण वातावरण और प्राकृतिक सौंदर्य का वर्णन	प्राकृतिक सुषमा का वर्णन	प्राकृतिक परिस्थितियों का प्रभाव	ग्रामीण परिवेश का चित्रण	लहलहाती फसलों का वर्णन	फसलों से लदी रोमांचित वसुधा का चित्रण	स्मार्ट बोर्ड	रूपक व उपमा अलंकारों का परिचय	प्रकृति का मानवीकरण
	अर्द्धवार्षिक परीक्षा										
OCT	13	(गद्य खंड)—प्रेमचंद के फटे जूते	प्रेमचंद के व्यक्तित्व की सादगी	प्रेमचंद व जन सामान्य के विचारों की भिन्नता	रचनाकार की पैनी सामाजिक दृष्टिकोण	परिस्थिति के अनुसार विचार विश्लेषण	प्रेमचंद का चित्र सहित जीवन परिचय	समाज की कुरीतियों का वर्णन	स्मार्ट बोर्ड	अपराजेय व्यक्तित्व का वर्णन	व्यंग्यात्मक शैली का ज्ञान
		(गद्य खंड)—प्रेमचंद के फटे जूते	प्रेमचंद के व्यक्तित्व की सादगी	प्रेमचंद व जन सामान्य के विचारों की भिन्नता	रचनाकार की पैनी सामाजिक दृष्टिकोण	परिस्थिति के अनुसार विचार विश्लेषण	प्रेमचंद का चित्र सहित जीवन परिचय	समाज की कुरीतियों का वर्णन	स्मार्ट बोर्ड	अपराजेय व्यक्तित्व का वर्णन	व्यंग्यात्मक शैली का ज्ञान

NOV		(काव्य खंड)– मेघ आए	प्राकृतिक सौंदर्य का वर्णन	प्रकृति का मानवीकरण	बादलों का सचित्र वर्णन	बरसात ऋतु से संबंधित कविता का संग्रह	उन क्षेत्रों का वर्णन जहाँ	संस्कृति और सभ्यता का स्वरूप	स्मार्ट बोर्ड	संस्कृति और सभ्यता का स्वरूप	सांस्कृतिक मूल्यों का बोध
	22	व्याकरण– समास एवं उसके प्रकारों का अभ्यास	शब्द रचना	वाक्य में सामासिक शब्दों का प्रयोग	समास एवं उसके प्रकारों का चित्र सहित वर्णन	समास–विग्रह का प्रयोग	चार्ट पेपर पर समास एवं उसके प्रकारों का वृक्ष बनाना	शब्द ज्ञान विकसित करना	स्मार्ट बोर्ड	समास का विग्रह सहित वर्णन	समास एवं उसका प्रयोग
		पुनरावृत्ति	क्षितिज–(गद्य खंड)– दो बैलों की कथा (काव्य खंड)– कबीर की साखियाँ								
DEC	23	पुनरावृत्ति	पुनरावृत्ति	पुनरावृत्ति	पुनरावृत्ति	पुनरावृत्ति	पुनरावृत्ति	पुनरावृत्ति	पुनरावृत्ति	पुनरावृत्ति	पुनरावृत्ति
JAN	16	पुनरावृत्ति	पुनरावृत्ति	पुनरावृत्ति	पुनरावृत्ति	पुनरावृत्ति	पुनरावृत्ति	पुनरावृत्ति	पुनरावृत्ति	पुनरावृत्ति	पुनरावृत्ति
FEB											

वषयः : संस्कृतम्

पुस्तकानि : निर्धारितपुस्तकानि ----

पाठ्यपुस्तकम् म णका प्रथमो भागः (रा प्र परि शै .अनु) रा .अन प्र परि

अभ्यासपुस्तकानि म णका प्रथमो भागः अभ्यासपुस्तकम् (रापरि .प्र .अनु .शै ..)

सहायकपुस्तकानि 1. प्रायो गकसंस्कृतव्याकरणम् प्रथमो भागः -- डा. परमानन्दगुप्त

2. सरस्वती म णका संस्कृतव्याकरणम् प्रथमो भागः हरिओऽम् शास्त्री

3. संस्कृतसहचर आचार्य राधामोहन उपाध्याय श्री घनश्याम पाण्डेय

मासः	WD	अध्यायः/. उप वषयः	शक्षण उद्देश्यानि	मुख्यपदानि अवधारणा च ।	कला एकीकरणम्	समावेशी शक्षणम्	प्रकल्पम् / व्यावहारिक	अनुसंधानम् कार्यम् म श्रतम् शक्षणम्	पटु बोर्ड गति व धः	दक्षता आधारित गति व ध शक्षणम्	शक्षणपरिणामः
	NOP										
अप्रैल	24	मणिकातः प्रथमः पाठः अ ववेकः परमापदां पदम्	अ वचार्य कार्यं न कर्तव्यम्।		ववेकस्य प्रयोगः कथं कुर्यात् अस्योपरि कथानिर्माणम्	ववेकस्य प्रयोगः	ववेकस्य प्रयोगः एका कथालेखनं कुरु ।	गद्यात्मकपाठाभ्यासः पदपरिचयः, शब्दार्थः अनुवादकार्यम्	पाठ्यपुस्तकमा ध्यमेन पाठस्य अभ्यासकार्यम्।	ववेकस्य प्रयोगः	पाठस्य ज्ञानम् अभ्यासकार्यस्य लेखनम् च।
		व्याकरणतः संस्कृतवर्णमाला	संस्कृतवर्णमालायाः ज्ञानम् पठने सहायतार्थम्	शब्द परिचयः लेखनम् पदपरिचयः च	संस्कृतवर्णमाला याः स्वरैः सह सुलेखलेखनम्	संस्कृतवर्णमाला याः स्वरैः सह सुलेखलेखनम्	संस्कृतवर्णमालायाः चार्ट माध्यमेन प्रदर्शयतु ।	व्याकरणज्ञानम्, वाक्यनिर्माणं च।	टाटाकक्षामौ खक रूपहरितफलकैः च	भाषाज्ञानम्	भाषाशुद्धता

		वर्णसंयोजनं वर्ण वयोजनं च।	वर्णाधारेण पदपरिचयः	शब्द परिचयः लेखनम् पदपरिचयः च	सुलेखलेखनम्	सुलेखलेखनम्	वर्णसंयोजनं वर्ण वयोजनं माध्यमेन स्वपरिवारस्य सदस्यानां नामानि लेखनम् ।	व्याकरणज्ञानम्, वाक्यनिर्माणं च।	टाटाकक्षामौ खकरू पहरितफलकैः च	भाषाज्ञानम्	भाषाशुद्धता
		उच्चारणस्थानानि।	उच्चारणस्थानपरिचयः	पदपरिचयः च	उच्चारणस्थाना नि संगीतसाधनैः ता लका माध्यमेन	उच्चारणस्थाना नि संगीतसाधनैः ता लका माध्यमेन	उच्चारणस्थानता लका चार्टे माध्यमेन प्रदर्शयतु।	व्याकरणज्ञानम्, वाक्यनिर्माणं च।	टाटाकक्षामौ खकरू पहरितफलकैः च	भाषाज्ञानम्	भाषाशुद्धता
		स्वरसन्धिः दीर्घ -, गुण, वृद्ध, यण, अयादि।	सन्धिकार्यं कमर्थं करणीयम्? लाभाः के?	शब्द परिचयः लेखनम्	ग णत वषयेन सह मेलनम्	ग णत वषयेन सह मेलनम्	स्वरसन्धिः चार्टे माध्यमेन प्रदर्शयतु।	सन्धिज्ञानम् च।	टाटाकक्षामौ खकरू पहरितफलकैः च	भाषाज्ञानम्	भाषाशुद्धता
		अपठित अवबोधनं, चित्रवर्णनम्, संवादलेखनम् पत्रलेखनं च।	चन्तनक्षमतायाः विकासः लेखनशैल्याः कौशलम् अनुवादकार्यं चित्रवर्णनम्।	पदपरिचयः च	कला वषयेन सह मेलनम्	हिन्दी- आङ्गलभाषाभ्यां सह मेलनम्	एकं चित्रवर्णनम्, संवादलेखनम् कुरु।	व्याकरणज्ञानम्, वाक्यनिर्माणं च।	टाटाकक्षामौ खकरू पहरितफलकैः च	भाषाज्ञानम्	भाषाशुद्धता
मई	8	म णकातः द्वितीयः पाठः पाठ्यम्	सुभाषतानां जीवने महत्त्वम्	व्यवहारिकज्ञान म्	संगीत शक्षकेन सह	-----	पाठ्ये श्लोकान् पठित्वा अन्वये पूर्तिः कर्तव्या।	गद्यात्मकपाठाभ्यासः पदपरिचयः, शब्दार्थः अनुवादकार्यम्	पाठ्यपुस्तकमाध्य मेन पाठस्य अभ्यासकार्यम्।	सुभाषतानां महत्त्वम्	पाठस्य ज्ञानम् अभ्यासकार्यस्य लेखनम् च।
जून	14	मणिकातः तृतीयः पाठः वज्रयतां स्वदेशः।	महाराणाप्रतापभामाशाह स्य वषये ज्ञानार्जनम्	व्यवहारिकज्ञान म्	इतिहास शक्षकेन सह मेलनम्	-----	महाराणाप्रतापभामाशाह स्य वषये ज्ञानार्जनम् वषये ज्ञानार्जनम् कृत्वा अनुच्छेदम् लेखतु।	गद्यात्मकपाठाभ्यासः पदपरिचयः, शब्दार्थः अनुवादकार्यम् श्लोकाधारेण अन्यश्लोकनिर्माणम्	पाठ्यपुस्तकमाध्य मेन पाठस्य अभ्यासकार्यम्।	देशभक्तिभाव ना	पाठस्य ज्ञानम् अभ्यासकार्यस्य लेखनम् च।
		व्याकरणतः धातुरूपा ण पठ् -, अस्, कृ, पा, (परस्मैपदि पञ्चलकारेषु(सेव रुच्, याच् आत्मनेपदि) (लट्लृटलकारयोः नी, ह, भज्, पच्	धातुरूपाणां स्मरणम्		हिन्दी- आङ्गलभाषाभ्यां सह मेलनम्	धातुरूपाणां स्मरणं	धातुरूपाणां(पठ्, अस्, कृ, पा, परस्मैपदि) चार्टे माध्यमेन प्रदर्शयतु।	व्याकरणज्ञानम्, वाक्यनिर्माणं च।	टाटाकक्षामौ खकरू पहरितफलकैः च	भाषाज्ञानम्	भाषाशुद्धता

		(उभयपदिनः) अनुवादार्थ- अस् -- धातुरूपा ण, कृ, कृध्, लख्, हस्, क्रीड्, पत्, वद, पा(पब्), चल्, स्था,(तिष्ठ्), नम्, गम्, कथ्, चन्त्, (परस्मैपदि पञ्चलकारेषु(सेव् रुच्, याच् आत्मनेपदि) (लट्लृटलकारयोः नी, ह्, भज्, पच् (उभयपदिनः)		शब्द परिचयः लेखनम् पदपरिचयः च							
जुलाई	26	मणिकालः- चतुर्थः पाठः- वद्या भान्ति सदगुण	हितोपदेशः ग्रन्थः कथं र चतम् अस्य वषये ज्ञानार्जनम्	व्यवहारिकज्ञान म्	-----	<u>समस्यासमाधान</u> म्	वद्यायाः महत्त्वम् वषये अनुच्छेदम् लखतु।	गद्यात्मकपाठाभ्यासः पदपरिचयः, शब्दार्थः अनुवादकार्यम्	पाठ्यपुस्तकमाध्य मेन पाठस्य अभ्यासकार्यम्।	ज्ञानस्य महत्त्वम्	पाठस्य ज्ञानम् अभ्यासकार्यस्य लेखनम् च।
		व्याकरणतः शब्दरूपा ण पुल्लिङ्गशब्दरूपा ण अकारान्त - बालकवत्, इकारान्तमुनिवत् -, उकारान्त साधुवत् - पतृवत्। -ऋकारान्त स्त्री लङ्गशब्दरूपा ण आकारान्त - लतावत् ईकारान्त नदीवत् - - ऋकारान्त मातृवत्। नपुंसक लङ्गशब्द रूपा ण अकारान्त - फलवत्, इकारान्त - वारि। अपठित अवबोधनं,	शब्दरूपाणां स्मरणम्	शब्द परिचयः लेखनम् पदपरिचयः च	हिन्दी- आङ्गलभाषाभ्यां सह मेलनम्	शब्दरूपाणां स्मरणं	पुल्लिङ्गशब्दरूपा ण चार्ट माध्यमेन प्रदर्शयतु।	अनुवादकार्यम्	टाटाकक्षामौ खकरू पहरितफलकैः च	भाषाज्ञानम्	भाषाशुद्धता

		चत्रवर्णनम्, संवादलेखनम् पत्रलेखनं च।									
		चत्रवर्णनम्, अनुवादः (लङ्लकारे) कारकपरिचयः (द् वतीयातः चतुर्थीपर्यन्तम्)	लेखनकौशलस्य वृद्धः	शब्द परिचयः लेखनम् पदपरिचयः च	पदनिर्माणम्	वाक्यनिर्माणम्	पञ्च अनुवादकार्यम्, संस्कृतभाषायाः कुरु।	व्याकरणज्ञानम्, वाक्यनिर्माणं च।	टाटाकक्षामौ खकरू पहरितफलकैः च	भाषाज्ञानम्	भाषाशुद्धता
		संख्या 1-100 पर्यन्तम् (1-4 केवलं प्रथमा वभक्तौ)	लेखनकौशलस्य वृद्धः संख्याज्ञानं च।	शब्द परिचयः लेखनम् पदपरिचयः च	पदनिर्माणम्	संख्याज्ञानम्	संख्या (1-100) चार्ट माध्यमेन प्रदर्शयतु।	व्याकरणज्ञानम्, वाक्यनिर्माणं च।	टाटाकक्षामौ खकरू पहरितफलकैः च	भाषाज्ञानम्	भाषाशुद्धता
अगस्त	22	मणिकातः पञ्चमः पाठः - कर्मणा याति सं सद् धम्	कर्मणा सर्वं सध्यते	व्यवहारिकज्ञान म्	अन्या कथा माध्येन	कर्मस्य महत्त्वम्	कथा सरित्सागरः पठित्वा एकः कथा लखतु।	गद्यात्मकपाठाभ्यासः पदपरिचयः, शब्दार्थः अनुवादकार्यम्	पाठ्यपुस्तकमाध्य मेन पाठस्य अभ्यासकार्यम्।	भाषाज्ञानम्	पाठस्य ज्ञानम् अभ्यासकार्यस्य लेखनम् च।
		षष्ठः पाठः- तत् त्यम् अ स।	आत्मज्ञानं कथं प्राप्यते	व्यवहारिकज्ञान म्	न्या कथा माध्येन	गर्वरहितजीवनम्	महर्षिः आरुणः जीवनपरिचयं ज्ञात्वा लखतु।	गद्यात्मकपाठाभ्यासः पदपरिचयः, शब्दार्थः अनुवादकार्यम्	पाठ्यपुस्तकमाध्य मेन पाठस्य अभ्यासकार्यम्।	आत्मज्ञानम्	पाठस्य ज्ञानम् अभ्यासकार्यस्य लेखनम् च।
		व्याकरणतः- प्रत्ययप्रयोगाः- क्त्वा, तुमुन्, ल्यप्।	प्रत्ययज्ञानम्	शब्द परिचयः लेखनम्	पदनिर्माणम् प्रत्ययै सह पदपरिचयः	भाषाज्ञानम्	प्रत्ययाः प्रयोगः पञ्च उदाहरणं लखतु।	व्याकरणज्ञानम्, वाक्यनिर्माणं च।	टाटाकक्षामौ खकरू पहरितफलकैः च	भाषाज्ञानम्	भाषाशुद्धता
		उपपद वभक्तिप्रयो गाः- द् वतीयापरितः -, उभयतः, अ भतः, सर्वतः, समया, निकषा, प्रति, वना, धक्। तृतीया - सा, समम्, साकम्, सह धम्, वना, अलम्, वना, सदृश, हीनअङ्ग वकारे।/ चतुर्थी- रुच, कुप्	लेखनकौशलस्य वृद्धः	पदपरिचयः	पदनिर्माणम्	भाषाज्ञानम्	कारकउपपद वभक्त्याः चार्ट माध्यमेन प्रदर्शयतु।	व्याकरणज्ञानम्, वाक्यनिर्माणं च।	टाटाकक्षामौ खकरू पहरितफलकैः च	भाषाज्ञानम्	भाषाशुद्धता

		दा(यच्छ), नमः, स्वाहा। अनुवादः लोटलकारे। अपठित अवबोधनं, चत्रवर्णनम्, संवादलेखनम् पत्रलेखनं च।									
		व्यञ्जनसन्धिः - वर्गीयप्रथमवर्णस्य तृतीयवर्णं परिवर्तनम् म् (जश्चसन्धिः) स्थाने अनुस्वारः	सन्धिकार्यं कमर्थं करणीयम्? लाभाः के?	शब्द परिचयः लेखनम् पदपरिचयः च	ग णत वषयेन सह मेलनम्	भाषाज्ञानम्	व्यञ्जनसन्धिः चार्टे माध्यमेन प्रदर्शयतु।	सन्धिज्ञानम्	टाटाकक्षामौ खकरु पहरितफलकैः च	भाषाज्ञानम्	भाषाशुद्धता
		अव्ययानि स्थानबोधकानि --- अत्र, तत्र, अन्यत्र, सर्वत्र, यत्र, एकत्र, उभयत्र कालबोधकानि - यदा, तदा, सर्वदा, एकदा, पुरा, अधुना, अद्य, श्वः, ह्यः प्रश्नबोधकानि - कम्, कुत्र, कति, कदा, कुतः, कथम्, कमर्थम्। अन्यानि - च, अ प, यदि, तर्हि, यथा, तथा, सम्यक्, एव	अव्ययाः के भवन्ति?	शब्द परिचयः लेखनम् पदपरिचयः च	हिन्दी- आङ्गलभाषा भ्यां सह मेलनम्	भाषाज्ञानम्	अव्ययीभावसमासस्य प्रयोगः चार्टे प्रदर्शयतु।	अव्ययः परिचयः	टाटाकक्षामौ खकरु पहरितफलकैः च	भाषाज्ञानम्	भाषाशुद्धता
सतम्बर	5	अपठित अवबोधनं, चत्रवर्णनम्, संवादलेखनम् च।	चन्तनक्षमतायाः वकासःलेखनशैल्याः कौशलम्,अनुवाद कार्यं चत्रवर्णनम्।	शब्द परिचयः लेखनम् पदपरिचयः च	हिन्दी- आङ्गलभाषाभ्यां सह मेलनम्	भाषाज्ञानम्	एकः चत्रस्य वर्णनं कृत्वा संस्कृते पञ्चसु वाक्येषु कुरुत।	पदपरिचयः, अनुवादकार्यम्	टाटाकक्षामौ खकरु पहरितफलकैः च	भाषाज्ञानम्	भाषाशुद्धता
		अर्धवा र्षकी परीक्षायाः पु	अर्धवा र्षकी परीक्षायाः पु	अर्धवा र्षकी परीक्षायाः पु	अर्धवा र्षकी परीक्षायाः पु	अर्धवा र्षकी परीक्षायाः पु	अर्धवा र्षकी परीक्षायाः पु	अर्धवा र्षकी परीक्षायाः पु	अर्धवा र्षकी परीक्षायाः पु	अर्धवा र्षकी परीक्षायाः पु	अर्धवा र्षकी परीक्षायाः पु

अक्तूबर	13	मणिकात:- सप्तमः पाठः तरवे नमोऽस्तु।	वृक्षाणां महत्त्वम्	व्यवहारिकज्ञानम्	नाट्य व धना ठस्य व्यवहात्मकया प्रपद्योः र्गनम्।	वृक्षाणां उपयो गता	वृक्षाणाम् अस्माकं जीवने उपयो गता चत्र माध्यमेन प्रदर्शयतु। वृक्षस्य तेषां अंगानां नामानि लखत यैः सः परोपकारं करोति।	गद्यात्मकपाठाभ्यासः पदपरिचयः, शब्दार्थः अनुवादकार्यम्	पाठ्यपुस्तकमाध्य मेन पाठस्य अभ्यासकार्यम्।	वृक्षाणां महत्त्वम्	पाठस्य ज्ञानम् अभ्यासकार्यस्य लेखनम् च।
		व्याकरणतः अपठित अवबोधनं, चत्रवर्णनम्, संवादलेख पत्रलेखनं च।	चन्तनक्षमतायाः विकासः लेखनशैल्याः कौशलम् अनुवादकार्यं चत्रवर्णनम्।	शब्द परिचयः लेखनम् पदपरिचयः च	हिन्दी- आङ्गलभाषाभ्यां सह मेलनम्	भाषाज्ञानम्	एकः चत्रस्य वर्णनं कृत्वा संस्कृते पञ्चसु वाक्येषु कुरुत।	अनुवादकार्यम्	टाटाकक्षामौ खकरू पहरितफलकैः च	भाषाज्ञानम्	भाषाशुद्धता
नवम्बर	22	मणिकात:- अष्टमः पाठः न धर्मवृद्धेषु वयः समीक्ष्यते।		व्यवहारिकज्ञानम्	कथामाध्यमेन	ज्ञानस्य सम्बन्ध वयसेन न भवति	राजाजनक-आष्टावक्रकथा ज्ञात्वा लखतु।	गद्यात्मकपाठाभ्यासः पदपरिचयः, शब्दार्थः अनुवादकार्यम्	पाठ्यपुस्तकमाध्य मेन पाठस्य अभ्यासकार्यम्।	कर्तव्यपरायण कम्	पाठस्य ज्ञानम् अभ्यासकार्यस्य लेखनम् च।
		व्याकरणतः:- उपपद वभक्तिप्रयो गाः - पञ्चमी - वना, बहिः, भी, रक्ष। षष्ठी - अधः, उपरि, पुरतः, पृष्ठतः, वामतः, दक्षिणतः। सप्तमी स्निहः, वश्वस्, निपुणः, कुशलः। अपठित अवबोधनं, चत्रवर्णनम्, संवादलेखनम् पत्रलेखनं च।	लेखनकौशलस्य वृद्धः	शब्द परिचयः लेखनम् पदपरिचयः च	हिन्दी- आङ्गलभाषाभ्यां सह मेलनम्	भाषाज्ञानम्	कारकउपपद वभक्त्याः (बहिः, भी, रक्ष) चार्ट माध्यमेन प्रदर्शयतु।	उपपद वभक्ति परिचयः	टाटाकक्षामौ खकरू पहरितफलकैः च	भाषाज्ञानम्	भाषाशुद्धता
		प्रत्ययप्रयोगः:- क्त, क्तवतु, क्त्वा, तुमुन्, ल्यप्, शतृ, शानच् च।	प्रत्ययौ ज्ञानं प्रयोगः च।	शब्द परिचयः लेखनम् पदपरिचयः च	हिन्दी- आङ्गलभाषाभ्यां सह मेलनम्	भाषाज्ञानम्	प्रत्ययाः (क्त, क्तवतु च) प्रयोगः पञ्च उदाहरणं लखतु।	प्रत्ययपरिचयः	टाटाकक्षामौ खकरू पहरितफलकैः च	भाषाज्ञानम्	भाषाशुद्धता
दिसम्बर	23	मणिकातः नवमः पाठः कवया म वया म या म।	राजाभोजस्य वषये ज्ञानार्जनम्	व्यवहारिकज्ञानम्	गीत शक्षकेन सह	काव्यप्रेमः	राजाभोजस्य कथा ज्ञात्वा लखतु।	गद्यात्मकपाठाभ्यासः पदपरिचयः, शब्दार्थः अनुवादकार्यम्	पाठ्यपुस्तकमाध्य मेन पाठस्य अभ्यासकार्यम्।	ज्ञानार्जनम्	पाठस्य ज्ञानम् अभ्यासकार्यस्य

											लेखनम् च।
		दशमः पाठः भारतीयं वज्ञानम्	संगीतरचनाकथं जातम्	व्यवहारिकज्ञानम्	कला शक्षकेन चित्रवर्णनम्	संगीतसाधना	भारतीय वज्ञानस्य महत्त्वम् वषये अनुच्छेदम् लखतु।	गद्यात्मकपाठाभ्यासः पदपरिचयः, शब्दार्थः अनुवादकार्यम्	पाठ्यपुस्तकमाध्यमेन पाठस्य अभ्यासकार्यम्।	वज्ञानस्य महत्त्वम्	पाठस्य ज्ञानम् अभ्यासकार्यस्य लेखनम् च।
		व्याकरणतः- संख्यावाचकशब्दानां रूपा ण - एक-द्वि-त्रि- चतुर(त्रिषु लिङ्गेषु)	संख्यावाचकशब्दरूपाणां स्मरणम्	शब्द परिचयः लेखनम् पदपरिचयः च	ग णत वषयेन सह मेलनम्	भाषाज्ञानम्	संख्यावाचकशब्दरूपाणां चाट्टे माध्यमेन प्रदर्शयतु।	संख्यापरिचयः	टाटाकक्षामौ खकरू पहरितफलकैः च	भाषाज्ञानम्	भाषाशुद्धता
		अपठित अवबोधनं, चित्रवर्णनम्, संवादलेखनम् पत्रलेखनं च।	चन्तनक्षमतायाः वकासः लेखनशैल्याः कौशलम् अनुवादकार्यं चित्रवर्णनम्।	शब्द परिचयः लेखनम् पदपरिचयः च	ग णत वषयेन सह मेलनम्	भाषाज्ञानम्	एकः चित्रस्य वर्णनं कृत्वा संस्कृते पञ्चसु वाक्येषु कुरुत।	अनुवादकार्यम्	टाटाकक्षामौ खकरू पहरितफलकैः च	भाषाज्ञानम्	भाषाशुद्धता
		वसर्गसन्धिः सन्धिः - उत्त्वम्।	सन्धिपरिचयः	शब्द परिचयः लेखनम् पदपरिचयः च	ग णत वषयेन सह मेलनम्	भाषाज्ञानम्	वसर्गसन्धिः चाट्टे माध्यमेन प्रदर्शयतु।	सन्धिज्ञानम्	टाटाकक्षामौ खकरू पहरितफलकैः च	भाषाज्ञानम्	भाषाशुद्धता
जनवरी	16	मणिकातः									
		एकादशः पाठः भारतेनास्ति मे जीवनं जीवनम्।	देशप्रेमस्य महत्त्वम्	व्यवहारिकज्ञानम्	ङ्गीत शक्षकस्य हायतया	देशप्रेमः	भारतदेशस्य व वधतायाः ज्ञानम् अनुच्छेदम् लखतु।	गद्यात्मकपाठाभ्यासः पदपरिचयः, शब्दार्थः अनुवादकार्यम्	पाठ्यपुस्तकमाध्यमेन पाठस्य अभ्यासकार्यम्।	जीवनस्य महत्त्वम्	पाठस्य ज्ञानम् अभ्यासकार्यस्य लेखनम् च।
		व्याकरणतः- प्रत्ययप्रयोगः शतृ -, शानच् च।	प्रत्ययौ ज्ञानं प्रयोगः च।	शब्द परिचयः लेखनम्	हिन्दी- आङ्गलभाषाभ्यां सह मेलनम्	भाषाज्ञानम्	प्रत्ययाः (शतृ, शानच्) प्रयोगः पञ्च उदाहरणं	प्रत्ययपरिचयः	टाटाकक्षामौ खकरू पहरितफलकैः च	भाषाज्ञानम्	भाषाशुद्धता
		कारकप्रयोगः कर्ता तु सम्बोधनपर्यन्तम्। पत्रलेखनम्, संवादलेखनम्, चित्रवर्णनम्, अपठितगद्यांशः च। अशुद्धसंशोधनम्	लेखनकौशलस्य वृद्धिः	पदपरिचयः लेखनम्	हिन्दी- आङ्गलभाषाभ्यां सह मेलनम्	भाषाज्ञानम्	एकः चित्रस्य वर्णनं कृत्वा संस्कृते पञ्चसु वाक्येषु कुरुत।	कारकपरिचयः	टाटाकक्षामौ खकरू पहरितफलकैः च	भाषाज्ञानम्	भाषाशुद्धता

		समासाः – अव्ययीभावसमासः, तत्पुरुषः, बहुव्रीहि, द्वन्द्वः च।	समासपरिचयः	शब्द परिचयः लेखनम्	ह्दी शक्षकस्य सहायतया	भाषाज्ञानम्	समासस्यभेदाः चत्र माध्यमेन प्रदर्शयतु ।	समासपरिचयः	टाटाकक्षामौ खकरू पहरितफलकैः च	भाषाज्ञानम्	भाषाशुद्धता
फरवरी		वा र्षकपरीक्षायाः पुनरावृ तः, वा र्षकपरीक्षा च।	वा र्षकपरीक्षायाः पुनरावृ तः, वा र्षकपरीक्षा च।	वा र्षकपरीक्षायाः पुनरावृ तः, वा र्षकपरीक्षा च।	वा र्षकपरीक्षा याः पुनरावृ तः, वा र्षकपरीक्षा च।	वा र्षकपरीक्षायाः पुनरावृ तः, वा र्षकपरीक्षा च।	वा र्षकपरीक्षायाः पुनरावृ तः, वा र्षकपरीक्षा च।	वा र्षकपरीक्षायाः पुनरावृ तः, वा र्षकपरीक्षा च।	वा र्षकपरीक्षायाः पुनरावृ तः, वा र्षकपरीक्षा च।	वा र्षकपरीक्षा याः पुनरावृ तः, वा र्षकपरीक्षा च।	वा र्षकपरीक्षायाः पुनरावृ तः, वा र्षकपरीक्षा च।

SUBJECT: MATHEMATICS

Text Book: 1. NCERT TEXTBOOK

2. NCERT EXAMPLER

3. A COMPLETE COURSE IN MATHEMATICS BY B.K.SINGH (REFERENCE BOOK)

Month	WD / NOP	Chapter/Sub-Topics	Learning Objectives	Key Terms and Concept	Art Integration	Inclusive Teaching	Project / Practical	Research Work Blended earning	Smart Board Activity	Competency Based Activity Learning	Learning Outcomes
APRIL	24	Unit I : Number System REAL NUMBERS 1. Review of representation of natural numbers, integers, and rational numbers on the number line. Rational numbers as recurring/ terminating decimals. Operations on real numbers. 2. Examples of non- recurring/non terminating	To write the rational and irrational numbers between two given rational numbers. To represent different rational and irrational numbers on the number line. To rationalize the denominator	- Classification of numbers - Representatio n - Real Line - Rationalizatio n - Exponents (n^{th} root)	Square Root spiral	Art Room Activity History : Indian calenda r. Physics - Mathe matical express ion and unit of measur ement. Chemis try-	Activity 1 Activity 2 Project 1 (Story of π)	PPT Group Discussion. Slides Videos animations You tube links, web series	Video/A nimation . Worksheet	Representing the real numbers by using Venn Diagram Analytical based questions Critical thinking thought provoking Analytical base questions Comprehe nding	- Learners are enabled to classify real numbers, proving their properties and using them in different situations. - Learners are able to simplify the sums by

		decimals. Existence of non-rational numbers (irrational numbers) such as, $\sqrt{2}$ and $\sqrt{3}$ and their representation on the number line. Explaining that every real number is represented by a unique point on the number line and conversely, viz. every point on the number line represents a unique real number.	of the given real number. To solve the problems with exponent and radicals. To visualize the numbers on the number line. To differentiate between algebraic expression and polynomials, types of polynomials on the basis of terms and on the basis of their degrees, zeroes and coefficients of polynomials, remainder and factor theorem and at least ten algebraic identities	- Polynomial - Coefficient - Variable - Degree of polynomial - Factors - Remainders - Factorization - Identity	Graphical representation of polynomials of degree 1, 2 and 3	solving numerical and equations.	Art Activity 4 Activity 5 Project 2 (Application of algebra in day-to-day life)	Field Activity (integrated to Physical education) Slides Videos animations You tube links, web series	Video/Animation	Assertion and reasoning HOTS questions Case based questions Source based questions Data based questions Picture based Finding Zeroes of cubic polynomials. Worksheet Analytical based questions Critical thinking thought provoking Analytical base questions	using the laws of exponents and method of rationalization. After studying this lesson students will be able to differentiate between algebraic
		3. Definition of nth root of a real number.									
		4. Rationalization (with precise meaning) of real numbers of the type $\frac{1}{a+b\sqrt{x}}$ and $\frac{1}{\sqrt{x}+\sqrt{y}}$ (and their combinations) where x and y are natural number and a and b are integers. 5. Recall of laws of exponents with integral powers.									

		Rational exponents with positive real bases (to be done by particular cases, allowing learner to arrive at the general laws.)									
		UNIT II: ALGEBRA 1. POLYNOMIALS : Definition of a polynomial in one variable, with examples and counter examples. Coefficients of a polynomial, terms of a polynomial and zero polynomial. Degree of a polynomial. Constant, linear, quadratic and cubic polynomials. Monomials, binomials, trinomials. Factors and multiples. Zeros of a polynomial. Motivate and State the Remainder Theorem with examples. Statement and proof of the Factor Theorem. Factorization of $ax^2 + bx + c, a \neq 0$ where a, b and c are real numbers, and of cubic polynomials								Compre nding Assertion and reasoning HOTS questions Case based questions Source based questions Data based questions Picture based	expression and polynomials, types of polynomials on the basis of terms and on the basis of their degrees, zeroes and coefficients of polynomials, remainder and factor theorem and at least ten algebraic identities.

		using the Factor Theorem. Recall of algebraic expressions and identities.									
MAY	8	POLYNOMIALS : . Verification of identities: $(x+y+z)^2=x^2+y^2+z^2+2xy+2yz+2zx$. $(x \pm y)^3 = x^3 \pm y^3 \pm 3xy(x \pm y)$ $x^3 \pm y^3 = (x \pm y)(x^2 \mp xy + y^2)$ $x^3 + y^3 - 3xyz = (x+y+z)(x^2+y^2+z^2 - xy-yz-zx)$ and their use in factorization of polynomials.	To differentiate between algebraic expression and polynomials, types of polynomials on the basis of terms and on the basis of their degrees, zeroes and coefficients of polynomials, remainder and factor theorem and at least ten algebraic identities	- Polynomial - Coefficient - Variable - Degree of polynomial - Factors - Remainders - Factorisation - Identity	Graphical representation of polynomials of degree 1, 2 and 3	Art Room Activity Economics-statistical data representation. Geography-Mean, median mode of statistical data. Preparation of map	Art Activity Activity 4 Activity 5 Project 2 (Application of algebra in day-to-day life)	Field Activity (integrated to Physical education) Slides Videos animations You tube links, web series	Video/Animation	Finding Zeroes of cubic polynomials. Worksheet Analytical based questions Critical thinking thought provoking Analytical base questions Comprehending Assertion and reasoning HOTS questions Case based questions Source based questions Data based questions Picture based	Learners are able to simplify the sums by using the laws of exponents and method of rationalization.

JUNE		POLYNOMIALS:. Verification of identities: $(x+y+z)^2 = x^2 + y^2 + z^2 + 2xy + 2yz + 2zx$. $(x \pm y)^3 = x^3 \pm y^3 \pm 3xy(x \pm y)$ $x^3 \pm y^3 = (x \pm y)(x^2 \mp xy + y^2)$ $x^3 + y^3 - 3xyz = (x+y+z)(x^2 + y^2 + z^2 - xy - yz - zx)$ and their use in factorization of polynomials.	To understands the concept of linear equation in one variable and linear equation in two variables. To learn the method of finding the points on the number line and able to draw its graph.	- Linear Equation - Ordered pair - Infinite solutions	Art through graph (Spider web)	Equation Mazes	Activity 6 Activity 8 Activity 9	PPT Group Discussion Slides Videos animations You tube links, web series	Video/Animation	Worksheet Analytical based questions Critical thinking thought provoking Analytical base questions Comprehending Assertion and reasoning HOTS questions Case based questions Source based questions Data based questions Picture based	Learners know the plotting of points in two-dimensional Cartesian coordinate system. Learners know to find the distance between two points on a plane. Learners can use the concept to find the area of a plane figure obtained.
	14	2. LINEAR EQUATIONS IN TWO VARIABLES: Recall of linear equations in one variable. Introduction to the equation in two variables. Focus on linear equations of the type $ax+by+c=0$ Explain that a linear equation in two variables has infinitely many solutions and justify their being written as ordered pair of real numbers, plotting them and showing that they lie on a line.	To know the representation of the number line in one variable and in two variables	- Co-ordinates - Cartesian Plane - Notations	Graphing Christmas on cartesian plane	Economics- statistical data representation. Geography- Mean, median mode of statistical data. Preparation of map through projection.	Activity 11 Activity 12		Video/Animation		

		UNIT III: COORDINATE GEOMETRY: The Cartesian plane, coordinates of a point, names and terms associated with the coordinate plane, notations	Cartesian coordinate system. To learn, to find the distance between two points on a plane. To use the concept to find the area of a plane figure obtained.			Biolog y- Nutritio nal value and calorie intake.					
JULY	26	UNIT IV: GEOMETRY 1. INTRODUCTION TO EUCLID'S GEOMETRY : History - Geometry in India and Euclid's geometry. Euclid's method of formalizing observed phenomenon into rigorous Mathematics with definitions, common/obvious notions, axioms/postulates and theorems. The five postulates of Euclid. Showing the relationship between axiom and theorem, for example: (Axiom) 1. Given two distinct points, there exists	To learn about the various forms and relations of angles. To get to know about the types of triangles and their properties. To be aware of Euclid's five postulates. To learn all the axioms and theorems related to Euclidean geometry.	• Geometry • Notions • Axioms • Postulates • Theorem	Hyperbolic space diagram (non-Euclidian's geometry)	Story of Geometry Physics - Mathematical expression and unit of measurement. Chemistry- solving numerical and equatio	Activity 13 Activity 14 Project 3 (Chronology of Indian Mathematicians with their contribution) Activity 14 Activity 15	PPT Group Discussion Slides Videos animations You tube links, web series	Video/A nimation Video/A nimation	Worksheet Analytical based questions Critical thinking thought provoking Analytical base questions Comprehe nding Assertion and reasoning HOTS questions Case based questions	Learners know about the various forms and relations of angles. Learners know about the types of triangles and their properties. Learners are aware of Euclid's five postulates. Learners Know all the axioms and theorems related to Euclidean geometry.

		one and only one line through them. (Theorem) 2. (Prove) Two distinct lines cannot have more than one point in common.		• Transversal • Parallel lines • Adjacent angles • Vertically opposite angles • Alternate interior angles • Co interior angles	Tangram	ns. Lines and Angles Anchor Charts Yoga Economics- statistical data representation. Geography- Mean , median mode of statistical data. Preparation of map through projection				Source based questions Data based questions Picture based	
		2. LINES AND ANGLES : 1. (Motivate) If a ray stands on a line, then the sum of the two adjacent angles so formed is 180° and the converse. 2. (Prove) If two lines intersect, vertically opposite angles are equal. 3. (Motivate) Lines which are parallel to a given line are parallel.									
		2. LINES AND ANGLES : 1. (Motivate) If a ray stands on a line, then the sum of the two adjacent angles so formed is 180° and the converse. 2. (Prove) If two lines intersect, vertically opposite angles are equal. 3. (Motivate) Lines which are parallel to a given line are parallel.									
AUG		3. TRIANGLES : 1. (Motivate) Two triangles are	To identify and apply the properties of	• Congruent • SSS	Warli Art	Group Discussion	Activity 16	PPT Group Discussion Slides	Video/Animation	Worksheet	Learners know to identify and

	22	congruent if any two sides and the included angle of one triangle is equal to any two sides and the included angle of the other triangle (SAS Congruence). 2. (Prove) Two triangles are congruent if any two angles and the included side of one triangle is equal to any two angles and the included side of the other triangle (ASA Congruence).	lines and angles. To understand the concept of parallel, perpendicular, complementary and supplementary angles, vertical angles, and parallel lines cut by a transversal. To understand that two triangles are congruent if their corresponding sides are equal in length and their corresponding angles are equal in measure. To Know and apply the various rules of congruence of triangles.	• ASA • SAS • RHS complementary and supplementary angles.		Economics- statistical data representation. Geography- Mean, median, mode of statistical data. Preparation of map through projection. Biology- Nutritional value and calorie intake.		Videos animations You tube links, web series	Analytical based questions Critical thinking thought provoking Analytical base questions Comprehending Assertion and reasoning HOTS questions Case based questions Source based questions Data based questions Picture based	apply the properties of lines and angles. Learners know and understand the concept of parallel, perpendicular, complementary, and supplementary angles, vertical angles, and parallel lines cut by a transversal. Learners understand that two triangles are congruent if their corresponding sides are equal in length and their corresponding angles are equal in measure. Learners know and can apply the various rules of congruence of triangles to
		3. (Motivate) Two triangles are congruent if the three sides of one triangle are equal to three sides of the other triangle (SSS Congruence). 4. (Motivate) Two right triangles are congruent if the hypotenuse and a side of one triangle are equal (respectively) to the hypotenuse and a side of the other triangle. (RHS Congruence)								
		5. (Prove) The angles								

		opposite to equal sides of a triangle are equal. 6. (Motivate) The sides opposite to equal angles of a triangle are equal QUADRILATERALS 1. (Prove) The diagonal divides a parallelogram into two congruent triangles. 2. (Motivate) In a parallelogram opposite sides are equal, and conversely.									prove them congruent.
SEPT	05	REVISION TERM- I TERM - II QUADRILATERALS 3. (Motivate) In a parallelogram opposite angles are equal, and conversely. 4. (Motivate) A quadrilateral is a parallelogram if a pair of its opposite	To determine the similarities and differences between quadrilaterals by looking at their side, angle, and diagonal measures. To discover the properties of the special quadrilaterals.	- Quadrilateral - Parallelogram	Tangram/ Number dyslexia	Group discussion School campus visit to identify shapes and their properties.	Activity 18	PPT Group Discussion Slides Videos animations You tube links, web series	Video/Animation	Worksheet Analytical based questions Critical thinking thought provoking Analytical base questions Comprehending Assertion and reasoning HOTS questions	Learners can determine the similarities and differences between quadrilaterals by looking at their side, angle, and diagonal measures. Learners know the properties of the special quadrilaterals. Learners know

		sides is parallel and equal.	To prove the properties of parallelogram.							Case based questions Source based questions Data based questions Picture based	the properties of parallelogram
OCT	13		To understand and prove the mid-point theorem.	Opposite sides and angles, Diagonals of Quadrilateral			Activity 19	PPT Group Discussion Slides Videos animations You tube links, web series		Worksheet Analytical based questions Critical thinking thought provoking Analytical base questions Comprehending Assertion and reasoning HOTS questions Case based questions Source based questions	Learners know the mid-point theorem and can prove it.
		5. (Motivate) In a parallelogram, the diagonals bisect each other and conversely.									
		6. (Motivate) In a triangle, the line segment joining the mid points of any two sides is parallel to the third side and in half of it and (motivate) its converse.									
		CIRCLES: 1. (Prove) Equal chords of a circle subtend equal angles at the center and (motivate) its converse.					Project 4 (Deriving formula for the area of a cyclic quadrilateral)				

										Data based questions Picture based	
NOV	22	2.(Motivate) The perpendicular from the center of a circle to a chord bisects the chord and conversely, the line drawn through the center of a circle to bisect a chord is perpendicular to the chord. 3. (Motivate) Equal chords of a circle (or of congruent circles) are equidistant from the center (or their respective centers) and conversely. 4. (Prove) The angle subtended by an arc at the center is double the angle subtended by it at any point on the remaining part of the circle. 5. (Motivate) Angles in the same segment of a circle are equal. 6. (Motivate) If a line segment joining two	To understand and prove the various properties of circle. To the relationship between the various parts of circle such that chords, radius, sector, segment etc. To know the central angle property of a circle. To know the meaning of a cyclic quadrilateral. To know the various properties of a cyclic quadrilateral and their proof. To know the concept of Heron's formula and its application.	• Chords • Segment • Sector • Central angle • Cyclic quadrilateral • Bisect • Arc	Fine Art Activity Field-work activity	Model making	Activity 21 Project	PPT Group Discussion Slides Videos animations You tube links, web series	Video/Animation	Worksheet Analytical based questions Critical thinking thought provoking Analytical base questions Comprehending Assertion and reasoning HOTS questions Case based questions Source based questions Data based questions Picture based	Learners understand and prove the various properties of circle. Learners know the relationship between the various parts of circle such that chords, radius, sector, segment etc. Learners know the central angle property of a circle. Learners the meaning of a cyclic quadrilateral. Learners know the various properties of a cyclic quadrilateral and their proof.

		points subtends equal angle at two other points lying on the same side of the line containing the segment, the four points lie on a circle. 7.(Motivate) The sum of either of the pair of the opposite angles of a cyclic quadrilateral is 180° and its converse.									
		Heron's Formula: Area of a Triangle									
		Heron's Formula: Area of a Triangle									
DEC	23	UNIT V: MENSURATION 1. SURFACE AREAS AND VOLUMES : Surface areas and volumes of cubes, cuboids, spheres (including hemispheres) and right circular cones UNIT V: MENSURATION 1. SURFACE AREAS AND VOLUMES : CONTINUED..... ... UNIT V: MENSURATION 1.	To learn to calculate surface area and volume of three-dimensional shapes. To understand the mathematical relationship between surface area and volume of three-dimensional shapes.	• Surface area • Volume • Sphere • Hemisphere • Circular cones • Dimension	Hands on activity			PPT Group Discussion Slides Videos animations You tube links, web series	Video/Animation	Worksheet Analytical based questions Critical thinking thought provoking Analytical base questions Comprehending Assertion and reasoning	After studying this lesson students will be able to understand, Different types of solid figures like: cube, cuboid, cylinder, cone, sphere, hemi-sphere, their vertices, edges and faces. All the formulas of surface area and volume of solid figures The application of the different formulas in

		SURFACE AREAS AND VOLUMES : CONTINUED..... ...								HOTS questions Case based questions Source based questions Data based questions Picture based	finding the surface area and volume of different solid figures and in the combination of the solid figures. Applications of formulas of surface area and volume in daily life problems.
		UNIT V: MENSURATION 1. SURFACE AREAS AND VOLUMES : CONTINUED..... ...									
JAN	16	STATISTICS : Bar graphs,	To introduce the term Statistics and the related terms. To explain the pictorial representation through bar graph and histogram. To explain the frequency polygon and its presentation on a graph.	- Statistics - Frequency Polygon - Histogram	Data analysis (Pictorial representation of daily life activities)			PPT Group Discussion Slides Videos animations You tube links, web series	Video/Animation	Worksheet Analytical based questions Critical thinking thought provoking Analytical base questions Comprehending Assertion and reasoning HOTS questions Case based questions Source based questions Data based questions Picture based	Learners understand the basic terms related to Statistics. Learners know the pictorial representation of a data through bar graph and histogram. Learners will be able to explain the frequency polygon and its presentation on a graph.
		STATISTICS : histograms (with varying base lengths), and frequency polygons.									
		REVISION									
		REVISION									
FEB		Revision & Annual Examination.									

SUBJECT : PHYSICS [Science]

Text Book : 1. N.C.E.R.T

Month	WD	Chapter/Sub-Topics	Learning Objectives	Key Terms and Concept	Art Integration	Inclusive Teaching	Project / Practical	Research Work Blended Learning	Smart Board Activity	Competency Based Activity Learning	Learning Outcomes
April	24	1. Motion Distance and displacement, Velocity; Uniform and Non-Uniform motion along a straight line; acceleration, distance–time and velocity–time graphs for uniformly accelerated motion	- To enable students to understand various aspect Distance and displacement. - To understand about Uniform and Non-Uniform motion along a straight line - To know the acceleration and its types.	- Distance and displacement - Velocity and acceleration. - Uniform and Non-Uniform motion - distance–time and velocity–time graphs - uniformly accelerated motion	Mathematics (Scale of graph/slope of graph)	Work sheet for Group A, B and C	Graphical representation of various types of motion. To plot velocity–Time graph and acceleration.	To find the nature of motion of various object happening in our surrounding.	Revision and Quiz Concept Map: Distance and displacement.	- Q & A - LOA - Quiz - Viva	Students will be able to Analyses and interprets graphs / figures etc., such as distance time and velocity-time graphs, computing distance / speed /acceleration of objects in motion,
May	08	Motion (contd.): Numerical on distance – time and velocity –time graphs for uniformly accelerated motion	To analyze distance–time and velocity–time graphs for uniformly accelerated motion.	uniformly accelerated motion	To plot distance – time graph and find speed.			Summer Vacation assignment.			
June	14	Motion (contd.): Derivation of Equations of motion by graphical/ Mathematical method, elementary idea of uniformly circular motion.	- To enable students to derive the Equations of motion by graphical/ Mathematical method - To understand about elementary idea of uniformly circular motion	- Derivation of Equations of motion - elementary idea of uniformly circular motion.	To make a scrap book on equations of motion		Demonstration of uniform circular motion.		Animation of Velocity – time graph.	- Q & A - LOA - Quiz - Viva	Derives formulae / equations / laws, such as mathematical expression for second law of motion, expression for force of gravity, equations of motion from velocity-time graphs, etc.
July	26	2. Force and Newton’s Laws of Motion: Force and motion, Balanced and Unbalanced force. First law of motion, Inertia & Mass. Momentum, force	- To enable students to understand various aspect Balanced and Unbalanced force . - To understand about First law of motion - To know the Second law of motion	- Balanced and Unbalanced force - First law of motion. - Inertia & Mass	Physical Education. Class activity: Tug – of – War. (Balanced and	Discussion of Various Examples of Inertia and its types. Dust coming	To establish the relationship between weight of a rectangular wooden block using	Examine forces acting on a body in order to determine change in body's	Video: Galileo’s Experiments and the laws of Inertia.	- Q & A - LOA - Quiz - Viva	Derives formulae / equations / laws, such as mathematical expression for second law of motion, law of conservation of momentum, expression for recoil

		and acceleration., Second law of motion, Third law of motion, Action and Reaction. Laws of conservation of momentum.	• .To analyze Third law of motion. • To know about the application of Laws of conservation of momentum.	• Second law of motion • Third law of motion • Laws of conservation of momentum.	Unbalance d force)	out of mat when beaten. Falling forward in transport when sudden breaks are applied. Leaves get detached from the tree when shaken hardly.	spring balance.	motion as a consequence of resultant force.			velocity.
Aug	22	3.Gravitation Gravitation, Universal law of Gravitation, Free fall body, Force of Gravitation of the earth, acceleration due to gravity, mass and weight, variation of g.	• To enable students to understand various aspect Gravitation force. • To understand about G and g. • To know the Universal law of Gravitation • .To analyze value of g at different position of the earth. • To know about the mass and weight.	• Universal law of Gravitation • Free fall body. • acceleration due to gravity • mass and weight • Variation of g at different position on the earth.	Draw a sketch of full moon night with high tides in the ocean.	Relate Newton's third law of motion and gravitational force to explain the motion of bodies.	NA	To establish the relationship between weight of a rectangular wooden block using spring balance.	Video: Law of Universal Gravitation. Interactivity: Mass and Weight.	• Q & A • LOA • Quiz • Viva	Applies learning to hypothetical situations, such as weight of an object at moon, weight of an object at equator and poles, life on other planets, etc.
Sept & Oct	05 13	4. Floatation: Thrust and Pressure. Archimedes' Principle; Buoyancy; Variation of pressure inside the liquid, Elementary idea of Relative Density.	• To enable students to understand various aspect of Thrust and Pressure. • To understand about force of Buoyancy. • To know the Archimedes' Principle. • .To analyze variation of pressure inside the liquid. • To know about Relative Density.	• Thrust and Pressure • Archimedes' Principle. • force of Buoyancy • Variation of pressure inside the liquid • Relative Density.	To draw a ship floating in water of ocean.	To discuss why an object floats or sink in liquid.	Establishing the relation between the loss in weight of a solid when fully immersed in a) Tap water b) Strongly salty water with the weight of water displaced by it by taking at least two different solids.	Interpret the relation between universal constant and acceleration due to gravity.	Video on : Archimedes' Principle	• Q & A • LOA • Quiz • Viva	Students will be able to know why an object floats or sink in liquid.

Nov	22	5. Work, Energy and Power Work done by a force, 1 Joule, types of work, Kinetic and Potential energy,	- To enable students to understand various aspect of Work done by a force. - To understand about types of work. - To know the Kinetic and Potential energy.	- Work done by a force - types of work. - Kinetic and Potential energy.	Draw a flow chart of various energies involved in it.	Study of Hydro – Electric power plant.	To Study the conservation of energy in a hydroelectric power plant.	Judge situations to identify where work is done according to scientific conception and calculate the magnitude of work	Video on Law of conservation of energy during free fall.	- Q & A - LOA - Quiz - Viva	Identify where work is done according to scientific conception and calculate the magnitude of work.
Dec	23	5. Work, Energy and Power Law of conservation of energy, Rate of doing work (Power).	- To enable students to understand various aspect of Law of conservation of energy. - To understand about Rate of doing work (Power)..	- Law of conservation of energy - Rate of doing work (Power).	Draw a flow chart of various energies involved in it.	Study of Hydro – Electric power plant.	To Study the conservation of energy in a hydroelectric power plant.	Get conversant with commercial unit of energy Calculate total energy consumption and determine total cost in households and industries		- Q & A - LOA - Quiz - Viva	
Jan	16	6. Sound: Nature of sound and its propagation in various media, speed of sound, range of hearing in humans; ultrasound; reflection of sound; echo.	- To enable students to understand various aspect of Nature of sound. - To understand about propagation of sound in various media. - To know the range of hearing in humans .To analyze ultrasound, supersonic. - To know about the application of Laws of reflection of sound and echo.	- Nature of sound and its propagation - speed of sound. - range of hearing in humans. - Characteristics of sound wave. - reflection of sound; echo	To make a chart for comparison for various properties of sound.	Verification of the Laws of reflection of sound.	To find the time period of a simple pendulum.	Find the various applications of ultrasound in the field of medical sciences.	Video on propagation of sound.	- Q & A - LOA - Quiz - Viva	Identify which type of sound is hearable, how does a sound propagate , echo.
Feb	07		•	•						•	

SUBJECT : CHEMISTRY
Text Book : NCERT

Month	W D / NO P	Chapter/Sub- Topics	Learning Objectives	Key Terms and Concept	Art Integratio n	Inclusive Teaching	Project / Practical	Research Work Blended earning	Smart Board Activit y	Competency Based Activity Learning	Learning Outcomes
APRI L	24	Matter in our surrounding:- •Nature of the particles of the matter. •Characteristics of particles of matter •Evidence for presence of particles in any matter •Classify matter into solids, liquids and gases based on characteristic properties of the particles in them. •Physical properties of solids, liquids and gases. • Diffusion • Types of diffusion • Can Matter change its state? • Effect of change of pressure and temperature on state of matter •Melting and boiling	1.Acquisition of knowledge: •To enable them to know about nature of particles of matter, characteristics of particles of matter, evidence for presence of particles in any matter, classification of matter, properties of solids, liquids and gases, diffusion, changes in state of matter, effect of change of pressure and temperature on state of matter, melting and boiling. 2.Development of understanding: •To enable students to understand the nature of particles of matter, characteristics of particles of matter, evidence for presence of	•Nature of particles •Characteristics of particles of matter •Classification of matter and their properties. •Diffusion •Melting and boiling.	Clay modeling on arrangement of particles of solid, liquid and gas	Water cycle	1. Perform the following reactions and classify them as physical or chemical changes: a) Iron with copper sulphate solution in water b) Burning of magnesium ribbon in air c) Zinc with dilute sulphuric acid d) Heating of copper sulphate crystals e) Sodium sulphate with barium chloride in the form of their solutions in water.	To investigate applications of plasma state of matter in daily life	Video on properties of solid, liquid and gas	*Conceptual learning *Thought provoking *Critical thinking *Logical reasoning *Analysing, *Comprehending *High order thinking *Assertion and Reasoning *Picture based learning *Story telling pedagogy *Oral drilling *Quizzing *Creating and engaging *Mind mapping *Brainstorming *etc.....	Students will be able to •generalized that anything which occupy space and has mass is called as matter. •relate the temperature change with change in the state of matter •Students will be able to explain diffusion, classification of matter, characteristics of particle of matter, properties of solid, liquid and gas.

			particles in any matter, classification of matter, properties of solids, liquids and gases, diffusion, changes in state of matter, effect of change of pressure and temperature on state of matter, melting and boiling. 3.Development of skills: - •To enable students to develop understanding skills, explanation skills and experimental skills.								
MAY	08	Matter in our surrounding:- (continued) •latent heat • sublimation and condensation • Scale of temperature	1.Acquisition of knowledge: •To enable them to know about latent heat, sublimation, condensation and scale of temperature 2.Development of understanding: •To enable them to understand latent heat, sublimation, condensation and scale of temperature 3.Development of skills: - •To enable	•Latent heat of fusion and latent heat of vaporization •Sublimation and condensation •Scale of temperature.		Heat			Video on sublimation.	*Conceptual learning *Thought provoking *Critical thinking *Logical reasoning *Analysing, *Comprehending *High order thinking *Assertion and Reasoning *Picture based *Source based learning *Story telling	•Students will be able to explain the latent heat of fusion and latent heat of vaporisation •Students will be able to perform the activity on sublimation. •Students will be able to solve the numerical problem based on scale of

			students to develop analytical skills, experimental skills and thinking skills							pedagogy *Oral drilling *Quizzing *Creating and engaging *Mind mapping *Brainstorming *etc.....	temperature.
JUNE	14	Matter in our surrounding(continued) •Evaporation • Factors affecting the rate of evaporation 16. NCERT Exercise	1.Acquisition of knowledge: •To enable them to know about evaporation and factors affecting the rate of evaporation 2.Development of understanding: •To enable them to understand evaporative and factors affecting the rate of evaporative 3.Development of skills: - •To enable students to develop thinking skills.	•Evaporation Factors affecting the rate of evaporation	To make evaporation art	Addition and subtraction	Determination of the melting point of Ice and boiling point of water	•Role of steam engine in industrial revolution	Video on factors affecting the rate of evaporation	*Conceptual learning *Thought provoking *Critical thinking *Logical reasoning *Analysing, *Comprehending *High order thinking *Assertion and Reasoning *Picture based learning *Story telling pedagogy *Oral drilling *Quizzing *Creating and engaging *Mind mapping *Brainstorming* etc.	•Students will be able to explain evaporation and the factors affecting the rate of evaporation.
JULY	26	Is matter around us pure? •Chemical classification of matter •Pure and impure substances • Elements	1.Acquisition of knowledge: •To enable them to know about chemical classification of matter, pure and impure substances	•Elements •Compounds •Homogeneous and heterogeneous mixture •Solution	Logo design using name of elements	Numerical based on concentration of solution (mathematics)	Preparation of: a) a true solution of common salt, sugar and alum	To investigate the use of metals in different civilization	Video on making different types of solution	*Conceptual learning *Thought provoking *Critical thinking *Logical reasoning	Students will be able to • Understand elements and compounds • Differentiate between

		•Types of elements • Properties of metals and non-metals •Compounds • Types of compounds • Homogeneous and heterogeneous mixture • properties of homogeneous and heterogeneous mixture •. Solution •. Types of solution •Concentration of solution	elements, compounds, properties of metals and nonmetals, homogeneous and heterogeneous mixture, solution, solution of solution, concentration of solution 2.Development of understanding: •To enable them to understand chemical classification of matter, pure and impure substances, elements, compounds, properties of metals and non metals, homogeneous and heterogeneous mixture, solution, solution of solution, concentration of solution 3.Development of skills: - •To enable them to develop thinking, analysing and learning skills.			•Types of solution •Properties of homogeneous and heterogeneous mixture •Concentration of solution			b) a suspension of soil, chalk powder and fine sand in water c) colloidal solution of starch in water and egg albumin/milk in water and distinguish between these based on ☐ ☐ transparency ☐ ☐ filtration criterion ☐ ☐ stability			*Analysing, *Comprehending *High order thinking *Assertion and Reasoning *Picture based learning *Source based pedagogy *Story telling *Oral drilling *Quizzing *Creating and engaging *Mind mapping *Brainstorming *etc.....	mixtures and compound • List the properties of metals non-metals and metalloids •Detect physical and chemical change
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AUG	22	Is matter around us pure? (continued): • Solubility of solution • Properties of solution • Suspension • Properties of suspension • Colloidal solution • Types of colloidal solution • Properties of colloidal solution • Physical and chemical changes • NCERT Exercise	1.Acquisition of knowledge: •To enable them to know solubility, properties of solution, suspension, colloidal solution, physical and chemical changes 2.Development of understanding: •To enable them to understand solubility, properties of solution, suspension, colloidal solution, physical and chemical changes 3.Development of skills: •To enable them to develop thinking and analytical skills.	•Solubility of solution •Properties of solution •Suspension •Properties of suspension and colloids •physical and chemical changes	Chromatography Butterfly Craft		•Preparation for a) A mixture b) A compound using iron filings and Sulphur powder and distinguishing between these based on: (i) appearance, i.e., homogeneity and heterogeneity (ii) behaviour towards a magnet (iii) behaviour towards carbon disulphide as a solvent (iv) effect of heat	Application of colloids in medicines	Video on Tyndall effect	*Conceptual learning *Thought provoking *Critical thinking *Logical reasoning *Analysing, *Comprehending *High order thinking *Assertion and Reasoning *Picture based learning *Source based pedagogy *Oral drilling *Quizzing *Creating and engaging *Mind mapping *Brainstorming *etc.....	Students will be able to •solve numerical problems based on solubility. •distinguish between true solutions, colloids and suspension •distinguish between physical and chemical changes.
SEPT	05	REVISION AND TERM-I ASSESSMENT									

OCT	13	Atoms and Molecules:- • Atoms and molecules • Types of molecules • Homoatomic and heteroatomic molecules • Atomicity • Dalton's atomic theory • Law of conservation of mass • Law of constant proportion • Ions	1.Acquisition of knowledge: • To enable them to know atoms and molecules, homoatomic and heteroatomic molecules, atomicity, law of conservation of mass, law of constant proportion and ions. 2.Development of understanding: • To enable them to understand atoms and molecules, homoatomic and heteroatomic molecules, atomicity, law of conservation of mass, law of constant proportion and ions 3.Development of skills: • To enable them to develop thinking, analytical, experimental skills.	• Atoms and molecule • Homoatomic and heteroatomic molecule • Atomicity • Law of conservation of mass • Law of constant proportion • Ions • Dalton's atomic theory	Poetry- 3 short lines that don't rhyme	<u>Numerical based on law of conservation of mass and law of constant proportion.</u>	Verification of the law of conservation of mass in a chemical reaction.	History of law chemical combination	Video on law of conservation of mass.	*Conceptual learning *Thought provoking *Critical thinking *Logical reasoning *Analyzing, *Comprehending *High order thinking *Assertion and Reasoning *Picture based *Source based learning *Story telling pedagogy *Oral drilling *Quizzing *Creating and engaging *Mind mapping *Brainstorming *etc.....	• Students will be able to learn atoms and molecules, homoatomic and heteroatomic molecules, and atomicity. Students will be able to solve the numerical problem based on law of conservation of mass and law of constant proportion.
NOV	22	Atoms and Molecules(continued):- • atomic and molecular mass • Formula mass • Chemical formula NCERT Exercise	1.Acquisition of knowledge: • To enable them to know about atomic and molecular mass, formula mass, chemical formula 2.Development of understanding: • To enable them to understand	• atomic and molecular mass • formula mass • chemical formula	Creation of Cross word puzzle			What is importance of valency?	Quiz and LOA	*Conceptual learning *Thought provoking *Critical thinking *Logical reasoning *Analysing, *Comprehending *High order thinking	• Students Will be able to calculate molecular mass and write the chemical formula

			atomic and molecular mass, formula mass, chemical formula 3.Development of skills: •To enable them to develop learning, thinking and analytical skills.							*Assertion and Reasoning *Picture based *Source based learning *Story telling pedagogy *Oral drilling *Quizzing *Creating and engaging *Mind mapping *Brainstorming *etc.....	
DEC	23	Structure of atom:- •Discovery of electron • Discovery of proton and neutron • Thomson’s atomic model • Rutherford’s atomic model • Bohr’s atomic model • Electronic configuration	1.Acquisition of knowledge: •To enable them to know about the discovery of electrons, protons, neutron, Thomson’s atomic model, Rutherford’s atomic model, Bohr’s atomic model, electronic configuration, valency, valence electrons, isotopes and isobars 2.Development of understanding: •To enable them to understand the discovery of electro, proton, neutron, Thomson’s atomic model, Rutherford’s atomic model, Bohr’s atomic model, electronic configuration, valence electrons, isotopes and isobars	•Discovery of electron, proton and neutron •Thomson’s Atomic Model •Rutherford’s atomic model •Bohr’s atomic model •Electronic configuration	Clay modelling on model of atom.	<u>Direction of light (Integrated with physics)</u>	Prepare a working model on Bohr’ atomic model	Importance of electrons in chemistry	Video on discovery of electron, proton and neutron	*Conceptual learning *Thought provoking *Critical thinking *Logical reasoning *Analysing, *Comprehending *High order thinking *Assertion and Reasoning *Picture based learning *Story telling pedagogy *Oral drilling *Quizzing *Creating and engaging *Mind mapping *Brainstorming	•Students will be able to explain the discovery of electrons, protons and neutrons. •Students will be able to demonstrate Thomson’s atomic model, Rutherford’s atomic model and Bohr’s atomic model. •Students will be able to write the electronic configuration of the elements.

			3.Development of skills: •To enable students to develop analytical, thinking and experimental thinking skill.							*etc.....	
JAN	16	Structure of atom:-(continued) •Valency and valence electrons • Isotopes and their application • Isobars	1.Acquisition of knowledge: •To enable them to know about valency, valence electrons, isotopes and isobars. 2.Development of understanding: •To enable them to understand valency, valence electrons, isotopes and isobars. 3.Development of skills: •To enable students to develop thinking and analytical skills.	•Valency and valence electrons •Isotopes and isobars	Power point presentation on uses of isotopes and Isobars	Solar system(Integrated with s.st)	Application of isotopes in different field	History of isotopes and isobars	Video on application of isotopes	*Conceptual learning *Thought provoking *Critical thinking *Logical reasoning *Analysing, *Comprehending *High order thinking *Assertion and Reasoning *Picture based learning *Story telling pedagogy *Oral drilling *Quizzing *Creating and engaging *Mind mapping *Brainstorming* etc....	•Students will be able to find out the valency and valence electrons of the element. •Students will be able to differentiate between isotopes and isobars •Students will be able to explain the application of isotopes.
FEB	7	REVISION		REVISION AND TERM-II ASSESSMENT							

SUBJECT: (SCIENCE) - BIOLOGY

Textbook: 1. NCERT

Month	WD	Chapter/ Sub-Topics	Learning Objectives	Key Terms and Concept	Art Integration	Inclusive Teaching	Project / Practical	Research Work Blended Learning	Smart Board Activity	Competency Based Activity Learning	Learning Outcomes
April	24	Chapter 5 The Fundamental Unit of Life – 1.What are living organisms made of? 2.Structural organization of cell, Cell membrane, ,Cell wall, nucleus, Cytoplasm	1. Acquisition of knowledge: The student will be able to know about Prokaryotic and an Eukaryotic cell, cell Wall, Fluid Mosaic Model, nucleus, cytoplasm 2. Development of understanding: To enable students to understand various process like diffusion and osmosis, structure & function of cell organelles like nucleus, endoplasmic reticulum, Lysosome 3. Development of skills To enable the students to develop the skills of experimenting and making figures.	Key Terms: 1. Cells as unit of the living things 2. Animal and plant cells 3. Prokaryotic and an Eukaryotic cell 4. Cell Wall 5. Fluid Mosaic Model 6. Nucleus 7. Cytoplasm	Fruit Salad showing cell or cell organelle		Preparation of temporary mount of onion peel (plant cell)	To prepare stained temporary mounts of onion peel and to record observation and draw their labelled diagrams. To observe the result of hypertonic solution the concept of plasmolysis will be explained to the students. To study the concept of Permeability, tonicity and osmosis with it types by preparing potato osmometer	CBSE Quiz AND Video	LOA & WORKSHEET Question on * High order thinking * Assertion and Reasoning * Picture based questions	The student will be able to know and learn about Prokaryotic and an Eukaryotic cell, cell Wall, Fluid Mosaic Model, nucleus, Cytoplasm The students will be able to After the completion of the chapter, the students will be able to 1. infer that cells are functionally similar despite structural differences 2.Differentiates materials / objects / organisms / phenomena / processes, based on such as prokaryote and eukaryote, plant cell and animal cell, diffusion and osmosis 3.compare a Prokaryotic and an Eukaryotic cell The student will able to develop drawing and experimenting skills.

May	08	Chapter 5 3. Cell organelles – Endoplasmic reticulum, Golgi bodies, Lysosome	1.Acquisition of knowledge: The student will be able to know about Endoplasmic reticulum, Golgi bodies, Lysosome 2. Development of understanding: To enable students to understand structure & function of cell organelles like Endoplasmic reticulum, Golgi bodies, Lysosome. 3. Development of skills To enable the students to develop the skills of making figures.	1. Endoplasmic reticulum 2. Golgi bodies 3. Lysosome	<u>use clay for making the structure of cell organelles</u>	<u>Physics</u> <u>To explain the working of microscope</u>	Permanent slides of mitosis and meiosis cell division.		Quiz And Video High order thinking * Assertion and Reasoning * Picture based questions	The student will be able to know and learn about Endoplasmic reticulum, Golgi bodies, Lysosome The students will be able to 1.Differentiate between types of endoplasmic reticulum and identify their functions 2. Analyse the cell organelle responsible for storage, modification and packaging of products in a cell 3. Relate the functions of lysosomes in a cell. The student will able to develop the skill of making figures .
June	14	Chapter 5 Mitochondria, Plastids vacuoles, Cell Division	1. Acquisition of knowledge: The student will be able to know about Mitochondria, Plastids, Vacuoles, cell division 2.Development of understanding: To enable students to	Key Terms : 1.Mitochondria 2. Plastids 3. Vacuoles 4. Mitosis 5. Meiosis	use clay for making the structure of cell organelles				Quiz And video High order thinking * Assertion and Reasoning * Picture based questions	The student will be able to know and learn about Mitochondria, Plastids, Vacuoles, cell division The students will be able to– 1.explain the functioning

			Understand 1. structure & function of cell organelles like Mitochondria, Plastids Vacuoles 2. equational & reductional cell division. 3. Development of skills To enable the students to develop the skills of making figures.							of Mitochondria in a cell. 2. elaborate the role of chromosomes during cell division. 3. relate the role of vacuoles in a cell. The student will able to develop the skill of making figures.
July	26	Chapter 6 Tissues – Are plants and animals made of same type of tissues Meristematic tissue, Apical Meristem Lateral Meristem, Intercalary meristem Epidermis Cork Stomata	<u>1. Acquisition of knowledge:</u> <u>The student will be able to know about</u> <u>Meristematic tissue,</u> <u>Epidermis,</u> <u>Cork.</u> <u>2. Development of understanding:</u> <u>The students will be able to –</u> <u>1. Know the term tissues with illustration</u> <u>2. Identify the type of simple permanent tissues and their functions in a plant.</u>	<u>Key terms</u> 1. <u>Meristematic tissue</u> 2. <u>Apical Meristem</u> 3. <u>Lateral Meristem</u> 4. <u>Intercalary meristem</u> 5. <u>Epidermis</u> 6. <u>Cork</u> 7. <u>Stomata</u>	<u>growth of roots in onion bulb</u>	Making of temporary mount of stomata	Write an article “ plants living plants generate electricity	Quiz And Video	LOA & WORKSHEET Question on • High order thinking • Assertion and Reasoning • Picture based questions	The student will be able to know and learn about Meristematic tissue, Epidermis, Cork. The students will be able to 1. describe the locations and function of meristematic tissue plants. 2. classify the meristematic tissue based on their location in the plant body. 3. explain the causes behind the restricted growth of a

			<u>3. Describe the locations and function of meristematic tissue plants.</u> <u>3. Development of skills</u> <u>To enable the students to develop the skills of making figures.</u>							plant or branch. 4. role of protective layers like Stomata, epidermis, Cork and bark. The student will able to develop the skill of making figures.
Aug	22	Chapter 6 Tissues Plant Tissues – simple permanent tissue, parenchyma collenchyma , .sclerenchyma complex permanent tissue xylem phloem	1. Acquisition of knowledge: The student will be know about simple permanent tissue parenchyma, collenchyma, sclerenchyma , complex tissue, xylem, phloem able to know about 2. Development of understanding: To enable students to 1. Identify the type of complex permanent and their role in a plant 2. Know the role Differentiation. 3. Analyses the role of xylem and phloem components. Development of skills To enable the students to develop the skills of making figures.	Key Words 1.simple permanent tissue 2.parenchyma 3.collenchyma 4.sclerenchyma 5.complex permanent tissue 6. xylem 7. phloem			<u>Spotting : Various Plant tissue</u>	Quiz And Video	Question on • High order thinking • Assertion and Reasoning • Picture based questions	The student will be able to know and learn about simple permanent tissue parenchyma, collenchyma, sclerenchyma, complex tissue, xylem, phloem The students will be able to 1.appreciate the role of tissues, such as xylem, in the conservation of atmospheric moisture, water cycle etc. in nature. 2.explain the role of xylem and phloem.

											The student will be able to develop the skill of making figure
Sep	05	Revision + Term I									
Oct	13	Chapter 6 Structure and function of Animal tissues – Epithelial tissue Connective Muscular, Nervous tissue	1. Acquisition of knowledge: The student will be know about Epithelial tissue, Connective tissue, Muscular tissue, Nervous tissue 2. Development of understanding: The students will be able to – 1. corelate the structure of epithelial tissues to their functions in an organism. 2. describe different types of connective tissues and relate their structure to specific functions. 3. corelate the structure of epithelial tissues to their functions in an organism. 4. describe different types of connective tissues and relate their structure to specific functions 5. compare the structure of different types of	1.. Animal tissues 2. Epithelial tissue (squamous, cuboidal, columnar, ciliated, glandular) 3. Connective tissue (areolar, adipose, bone , cartilage, blood, lymph, ligament, tendon) 4. Muscular tissue (straited, smooth, cardiac) 5. Nervous tissue (neuron & glial cells)	flow chart of animal tissue with flash cards,		Spotting : Various animal tissues	Make a research project on Cancer, its types, causes and cure.		LOA & WORKSHEET Question on • High order thinking • Assertion and Reasoning • Picture based questions	The student will be able to know and learn about Epithelial tissue, Connective tissue, Muscular tissue, Nervous tissue The students will be able to 1.co-relate the structure, function and location of various forms of connective tissues. 2. interpret the importance of the presence of various forms of connective tissues. 2.categorise and interpret the significance of various types of connective tissue. 3. understand the organization of various types of tissues for proper functioning of organs. The student will be able to

			muscular tissues and relate it to their functions 6. describe the structure of a neuron and explain the functioning of nervous tissue. Development of skills To enable the students to develop the skills of making figures								develop the skill of making figures.
Nov	22	Chapter 15 Improvement in Food Resources Improvement in crop yields – Introduction - Crop variety improvement Different types of crops Hybridization, Genetically Modified crops Factors for which variety improvement is done. Crop production management – nutrient management use of fertilizers, manures.	P. Acquisition of Knowledge: crop Variety Improvement, crop Production Improvement, crop Protection Management 2. Development of understanding: To enable students to understand the techniques to improve the crop production. 3.To enable the students to develop the skills of analyzing the factors responsible for increasing the crop production.	Key Words 1.crop Variety Improvement 2.crop Production Improvement 3. crop Protection Management 4.Sustainable methods in Agriculture 5. Abiotic & Biotic Factors 6. Desirable agronomic characters 7.Hybridization 8.Genetically Modified crops Fertilizers 9. Manure 10. Green Manure	Write a report on GM varieties of crops	inclusive with Geography : Types pf climate, landforms relating to type of staple food of that area	Role of technology in increasing crop production	effect on Indian economy by using technology in agriculture	Quiz And Video	LOA & WORKSHEET Question on - High order thinking - Assertion and Reasoning - Picture based questions	The student will be able to know and learn about Variety Improvement, crop Production Improvement, crop Protection Management The students will be able to P. identify the nutrients present in different foods, in order to have a balanced diet 2. recognize growth needs of different crops like temperature, in order to produce them effectively

											3.discover ways of breeding a better variety of seeds, in order to improve quality of crops
Dec	23	Chapter 15 (Contd..) Improvement in Food Resources Irrigation, cropping patterns. Crop protection management – protection from pests and diseases, Storage of grains ,organic farming. Animal Husbandry cattle farming, Poultry Farming (Egg and broiler production)	P. Acquisition of knowledge: Crop Rotation, Intercropping, Multiple Cropping, Pesticides, Weedicides, Animal Husbandry 2. Development of understanding: To enable students to understand 1.the advantages and disadvantages of manure and fertilizer 2. better storage strategies for crops, in order to minimize storage losses	Key words : 1. Crop Rotation 2.Intercropping 3. Multiple Cropping 4.Pesticides 5.Weedicides 6. Animal Husbandry		Ek Bharat Shrestha Bharat : Study any 5 states of Our country . Explain & represent pictorially their staple food, climate, soil, dance form, language, indigenous tribes & art etc.		Explain the role of Agriculture in attaining sustainable development goals	Quiz And Video	- Question on - High order thinking - Assertion and Reasoning - Picture based questions	The student will be able to know and learn about Crop Rotation, Intercropping Multiple Cropping, Pesticides, Weedicides, Animal Husbandry The students will be able to 1.analyse ways/ combinations of growing crops in order to maximize yield 2. develop better storage strategies for crops, in order to minimize storage losses 3.outline food requirements and common diseases of cattle, in order to protect them better.
Jan	16	Chapter 15 Fish production (Marine & Inland fisheries). Bee keeping. Revision Revision	1. Acquisition of knowledge: Fish Production (i) Marine fisheries (ii) Inland Fisheries, Bee- keeping. 2. Development of understanding:	Key point 1.Fish Production (i) Marine fisheries (ii) Inland Fisheries 2. Bee-	paste the different variety of fishes found in composite fish farming	Physics: satellites and echo-sounders for finding the fishing.	contribution of fisheries and apiculture in indian economy	video on advanced machine used in agriculture	Quiz And Video	LOA & WORKSHEET - Question on - High order thinking	The student will be able to know and learn about Fish Production (i) Marine fisheries (ii) Inland Fisheries,

			To enable students to 1. Analyse the process of catching fish from seawater and fresh water, in order to maximize yield. 2. Examine different varieties of bees, their traits, in order to maximize output	keeping.						Assertion and Reasoning ● Picture based questions	Bee-keeping. The students will be able To .Analyse the process of catching fish from seawater and fresh water, in order to maximize yield. 2. Examine different varieties of bees, their traits, in order to maximize output
Feb		Revision + Term II									
March											

SUBJECT: HISTORY/SPL

Textbook: 1. _India and the Contemporary world I.
2. _Democratic Politics II.

Month	WD	Chapter/ Sub-Topics	Learning Objectives	Key Terms and Concept	Art Integration	Inclusive Teaching	Project / Practical	Research Work Blended Learning	Smart Board Activity	Competency Based Activity Learning	Learning Outcomes
April	24	History -Ch1- The French Revolution. Unit -1. French Society during the late 18th century. Unit 2. The Outbreak of the Revolution. The French Revolution. Unit-4. Did Women Have a Revolution?3. France abolishes	To enable the learners to understand the difference between evolution and revolution. To enable them to know the social division in France during the Old regime. To enable them to know the causes of the French revolution.	Estates and Estates General in France Clergy. Tithe. Taille. Subsistence Crisis. Old Regime. National Assembly. Constitutional Monarchy. Active and Passive citizens. Declaration of	Poster making and slogan writing on the French Revolution OR. A Project on the philosophers and scientists who helped in creating awareness about reasoning	on: A. The philosophers of Revolution in France. B. The Events of the Revolution; self-drawn or photocopies with relevant footnotes.	Preparation of worksheet by Group A, B and C On the assigned topics.	Make a list of the rights given to Men under the Declaration of Rights. And the rights demanded for women by Olympe de Gouges.	Revision and Quiz from Tata Edge class and other questions prepared by the learners.	Creation of Worksheets based on differential learning and competency-based questions. Questions on the topics given.	Learners are able to understand the difference between evolution and revolution. Learners can know the social division in France during the Old regime. Learners can know the causes of the

		Monarchy and becomes a Republic. Unit-5. The Abolition Of Slavery . he French Revolution. Unit -6. The Revolution and Everyday Life		Rights. Jacobin club and women's club. Role of women in the French Revolution. Slavery system and its eradication.							French revolution. Learners can understand the changes which took place in France after the French revolution. Learners can understand the legacies of the French Revolution.
May	08	SPL-Ch-1- What is Democracy and Why is Democracy?	To make the learners understand the meaning and broader concept of democracy. To enable them to understand the features of democracy. To make them know the difference between democratic and non-democratic government.	Meaning of democracy, Democratic and nondemocratic government. Features of Democracy. Merits and demerits of democracy. Broad meaning of democracy.							
June	14	HISTORY-Ch 2.Socialism in Europe and the Russian Revolution.Unit1 The Age of Social Change. Unit-2 The Russian Revolution. Unit 3. February Revolution in Petrograd. Unit-4. What Changed after October?	To enable them to understand the merits and demerits of democracy, students to understand various aspect of The Russian Revolution To enable the learners to understand the concept of Liberalism,	Liberals, Radicals and Conservative. Industrial Society. Conservatives. Industrial Society. Cooperative Movement. Communist International. Economy and Society. Turbulent time	Timeline chart on events of Russian Revolution Make a list of the members of the framers of the Indian constitution, draw their photos and write 2 sentences about their	Worksheet on the topic Spread of Socialism in different countries of Europe to be prepared by the students under Group A, B and C	Imagine that you are a striking worker in 1905 who is being tried in court for an act of rebellion. Draft the speech you would make in your defense. Act out your	Project On the Life and Achievements of Lenin / Stalin.	Revision and Quiz from Tata Edge class and other questions prepared by the learners	Creation of questions and worksheets on the given topics with differential learnings.	Students are able to understand various aspects of The Russian Revolution Students will be able to identify various ideologies related to socialism and its impact on the world. Students will be able to

		Unit -5. The Global Influence the Russian Revolution and the USSR Russian Revolution.	Conservatism and Radicalism. To enable the learners to understand the concept of various ideas of Socialism and its practical implementation in Russia by Lenin and its Impact on the World.	and the 1905 Revolution. Judaists. The first world war and the Russian Revolution. Duma. Soviet Councils. Bolshevik Party. Military Revolutionary. Russian Communist party. The Civil War. Making of Socialist society. Stalinism and Collectivization . Kulka's and Kolkhoz. Formation of the USSR.	contributions in making of the constitution.		speech in your class.				differentiate between Capitalism and socialism. The learners will be able to understand the concept of Liberalism, Conservatism and radicalism ideas
July	26	SPL.Ch-2: Constitutional Design. Designing of Democracy in India: 1. Why does India adopt democracy? 2. Need for a constitution and the framing of the constitution 1946 – 1950. 3. The Guiding Values Principles ideologies and	To enable the learners, understand the importance of the constitution in	democratic countries. To enable them to understand the meaning of the constitution and to understand the various processes through which the constitution is signed. To enable them to know the need of the constitution,	Constitution. Preamble. Constituent Assembly. Sources of making of the constitution. Provincial legislatures. Draft constitution clauses. Constituent Assembly Debates. Guiding values and	Write the Preamble of the Indian constitution on a sheet of paper, beautifully designed with colors.	Make Photo Album on the Makers of Indian constitution with needful foot notes	Taking A pledge in the class by reading the Preamble of the Indian C Constitution.	Make a research work about the different sources which helped in making of the constitution of India. Find out the names of the different committees	Revision and Quiz from Tata Edge class and other questions prepared by the learners.	Learners are able to understand the importance of the constitution in democratic countries. The learners are able to understand the meaning of the constitution and to understand the various processes through which the constitution

		Philosophy) of Indian Constitution. 4. The salient features of the Indian constitution. 5. How is democracy in India being constantly Designed and Redesigned .6. Constitution and the process of its amendments		understand the guiding principles and values of the constitution. They are also enabled to understand the features of the constitution. They will be made to know the processes of amendments in the constitution	philosophies of the constitution. Sovereignty. Secular. Institutional design. Amendments				formed to work for making the constitution of India		is signed. The learners are able to know the need of the constitution, understand the guiding principles and values of the constitution . They are also able to understand the features of the constitution. They are also able to know the processes of amendments in the
Aug	22	SPL -Ch-3: Electoral Politics.	To enable the learners to understand the role of election in democracy. To enable them to understand what election is and what the different types of elections are. To enable them to know the requirements for democratic elections. To enable them to know the different processes involved in the electoral process. To make them understand the role of the Election commission of	Election mechanism. Need for election in democracy. Democratic election and its features. Electoral competition. Electoral constituencies. General elections, midterm election and bi election. Reserved constituencies. Voter's list. Nomination of candidates. Election campaign. Model code of	Identify or collect the posters and pamphlets of the Lok Sabha election Campaign and paste them Party wise to create an Album.	Find out the photos of the candidates contesting election in your Lok Sabha Constituency and paste it in your file by painting the photograph of the winning candidates	Read the manifesto of any national political party of India and try to find out how are they implemented by the ruling party	Watch the Lok Sabha Election Results on your T V and also read newspapers and try to find out the mood of the voters about their voting preferences .Write the report on it	Revision and Quiz from Tata Edge class and other questions prepared by the learners	Find out the names of the National Parties and the regional parties fighting in The Lok Sabha Elections 2024.	The learners can understand the role of elections in democracy. The learners can understand what election is and what are the different types of elections. The learners can understand the requirements for democratic election. can understand the different processes involved in the electoral process. The learners are able to understand the role of

			India, its composition, powers and functions and the code of conduct imposed by the election commission of India.	conduct. Election commission of India. Challenges to free and fair elections							the Election commission of India ,
Sep	05	Revision for Term II	Revision of SA-I Portion. (a) School Assignment (b) H.W. / C.W. (c) Model Q. Paper on HY Half Yearly Examination								
		Nazism and the Rise of Hitler: Unit -1. Birth of\ The Weimar. Genocidal War. Unit -2. Hitler's Rise to Power.			Look at figs 23,24, & 27 page (67). Imagine yourself to be a Jew or a Pole in Nazi Germany and draw a poster						
Oct	13	Unit3-The Nazi Worldview .Unit 4.Youth In Nazi Germany and Nazi cult of Motherhood. Unit 5. Ordinary People and Crime against Humanity	To make the learners understand the political condition of Germany before the first world war. To make them understand the formation of the Weimar Republic. To make them know the reasons for the defeat of Germany into first world war and to know the harsh provisions of the Versailles treaty which led to the rise of Nazism and Hitler in Germany.	Military Tribunal. War Guilt and War Crimes Against Humanity. Genocidal War. Imperial Germany. National Assembly. Weimar Republic. Reichstag. November Criminals. Political Radicalism. Free Corps War Reparations		Worksheet on the steps to death topic of the chapter with a photograph for each group A, B and C .	How would you have reacted to Hitler's Ideas if you were: (i) A Jewish Woman (ii) A non-Jewish	Do Research: Have you ever thought of the stereotypes of other communities that people around you? If yes, enlist them in a project file.	Revision and Quiz from Tata Edge class and other questions prepared by the learners	Create questions on the given topics	able to understand the political condition of Germany before the first world war . They can understand the formation of the Weimar Republic. They can know the reasons of the defeat of Germany into first world war and to know the harsh provisions of the Versailles treaty which led

			To enable them to the changes which took place in Nazi Germany under Hitler.	Hyper Hyper inflations. Dawes Plan. Article 48. Proletarianizati on. Nazi Propaganda. Concentration Camps. Economica. Reconstruction Axis and Allied power. The Nazi world views. Racial Utopia. Youth in Nazi Germany							to the rise of Nazism and Hitler in Germany. They are able to the different changes which took place in Nazi Germany under Hitler
Nov	22	SPL –Ch-4 Working of Institutions How are major policy decisions taken? The Decision makers. Need for Political Institutions. Indian Parliament, Composition, Working Procedure, law making process & parliamentary control over executives. & the government. The president of India; Powers & Position. . The Prime Minister & Union Council of Ministers. 3. The Indian Judiciary; Supreme	To make the learners understand the concept of political institutions and its working. To enable them to know who are the decision makers in our country? To enable them to understand the difference between political and permanent executive. To understand the composition of the executive, the legislature and the Judiciary and their functions	Office memorandum. SEBC. Decision makers. Political institution. Reservation quota. Need of a political institution. Executive. Legislature / parliament. Bill and process of making law. Judiciary. Adjournment motion, No confidence motion. Impeachment Motion. Prime minister,	Draw a picture of our old and the new parliament. and the Supreme court of India.	Worksheet for Group A, B and C.	When Parliament is in session, there is a special program every day on Door darshan about the proceedings in Lok-Sabha & Rajya Sabha. Watch or Read the & note the following (i) Role of the Speaker (ii) Powers of the two Houses.	Rajya-Sabha should be Abolished” Write a report and organize a debate in the class..	Revisio n and Quiz from Tata Edge class and other questio ns prepare d by the learners	Very short and Short-Q & A LOA	Learners are able to understand the concept of a political institution and its working. They can know who the decision makers in our country are. They are able to understand the difference between political and permanent executive. They are able to understand the composition of the executive, the legislature and the

		Court of India; Composition & jurisdiction.		Council of ministers and Cabinet minister. Collective responsibility. Coalition government. Parliamentary and presidential Integrated and independent judiciary. PIL .Lok Adalat. Judicial Review.						Judiciary and their functions.	
Dec	23	SPL- Ch-5. Democratic Rights. Life without Rights Rights in a Democracy Rights in the Indian Constitution Meaning & need of Rights in Democracy. Fundamental Rights granted under the constitution of India. Independence of Judiciary & Protection of Fundamental Rights. Expanding scope of rights	To enable learners to understand the concept of the Democratic rights of the citizens. The Fundamental rights granted by the constitution to the citizens. To enable them to understand the pattern of changes and inclusion of new rights.	Meaning and definition of rights and democratic rights. Need of rights in democracy. Fundamental Rights. Social, economic, and political rights to equality and exceptions. Rights to freedom. Rights against exploitations. Traffic in human beings. Right to profess, practice and propagate. Rights to constitutional remedies. Human rights. Expanding scope of Rights. International covenant on economic, social, and cultural rights.	Draw and write on a plain sheet, all the fundamental Rights given to the citizens by the constitution of India.	<u>Worksheet for Group A, B and C.</u>	Debate on. Expansion of Democratic Right in India shall be no use unless people are not literate followed by reports.	Organize a Legal Literacy Club in your school to promote awareness about your Rights and Duties.	Revision and Quiz from Tata Edge class and other questions prepared by the learners	Very short and Short-Q & A LOA.	The learners will be able to understand the concept of the democratic rights of the citizens and the Fundamental rights granted by the constitution to the citizens. They will also understand the pattern of changes and inclusion of new rights.

		History – Ch- 4 Forest Society and Colonialism. Unit-1 Livelihoods, Economies and Societies: Forest Society and Colonialism: Why Deforestation? Unit 2 The Rise of Commercial Forestry Unit 3 Rebellion in the Forest The relationship between forest & livelihood.	To enable learners to understand the lives and the livelihoods of the tribal people living in or nearby areas of forests and plants. To enable learners to know Shifting cultivation and The religious beliefs of the tribal people of Baster. To enable them to understand the reasons of the tribal rebellions in Baster in the areas being inhabited by the tribal people.	Deforestation and its causes. Plantations Scientific forestry. Forest Act 1878. Uses of forests. Forest Society and Colonialism: Why Deforestation? The Rise of Commercial Forestry Rebellion in the Forest The relationship between forest & livelihood.	Each mile of railway track requires between 1,760 D& 2,000 sleepers. If one average-sized tree yields 3-5 sleepers for a 3-metre-wide broad-gauge track, calculate approximately how many trees would have to be cut to lay 1 mile of track.	<u>Worksheet for Group A, B and C</u>	Prepare a list of different tribes of Bastar and show them on the map of Bastar. Prepare a list of the forest things which were used by the tribal people for their daily needs	Do a Research work: If you were the government of India in 1862 & responsible for supplying the railways with sleepers & fuel on such a large scale, what were the steps you would have taken?	Revision and Quiz from Tata Edge class and other questions prepared by the learners	Very short and Short-Q & A LOA	Learners can understand the lives and the livelihoods of the tribal people living in or nearby areas of forests and plants. Learners can know about Shifting cultivation and the religious beliefs of the tribal people of Baster. They are able to understand the reasons of the tribal rebellions in Baster in the areas being inhabited by them
Jan	16	II Portion. (a) School Assignment (b) H.W. / C.W. (c) Model Q. Paper for Yearly Examination									
Feb											
March											

SUBJECT: GEOGRAPHY (Social Science)

Textbook: 1. Contemporary India-I

Month	WD	Chapter/ Sub-Topics	Learning Objectives	Key Terms and Concept	Art Integration	Inclusive Teaching	Project / Practical	Research Work Blended Learning	Smart Board Activity	Competency Based Activity Learning	Learning Outcomes
April + May	24 + 8	Ch- 1: India- Size and Location: i. (Introduction about	<u>1. Acquisition of Knowledge:</u> To enable the students to know about latitudinal and longitudinal location, location of India on the globe, Size and Extent, Length of land and Sea frontier, Standard Meridian of India, Advantages of central Location of India on the	i. Implications of Latitudinal and Longitudinal extent of India,	i. India's Diverse Natural and Cultural Heritage related with Folk Tale:	History: India is one of the ancient civilization in the world.	i. Find out the longitudinal and latitudinal extent of your state.	i. To impart knowledge and information regarding multi-faceted socio-economic progress of	i. Location of India on the Globe. ii. India's Neighbours	Clarity of Concept through thought-provoking quizzing, critical thinking, logical reasoning,	*The students will be able to know and learn about latitudinal and longitudinal location, location of India on the globe, Size and Extent, Length of land and Sea

		the chapter) ii. (Location) iii. (Size) iii. (India and the world) iv. (India’s Neighbour s)	Globe, India’s contacts with the world, India’s Neighbours. <u>2. Development of Understanding:</u> - To enable the students to understand about Implications of Latitudinal and Longitudinal extent of India, Advantages of Strategic Central Location of India on the Globe. <u>3. Development of Skill:</u> To enable the students to develop the skill of locating and labelling features on the political outline map of India.	ii. Indian Standard Time, iii. Strategic Central Location of India on the Globe.	ii. Traditional Folklore of the Himalaya s. iii. Performin g and Visual Art Forms of India.	Mathemati cs: Enumeration of Local Time and Standard Time. History: India’s Contact with the World.	ii. Collect information about the ‘Silk Route’. ii. To impart knowledge and information about India’s Diverse Natural and Cultural Heritage through a video play. iii. A documentary on India’s Historical and Cultural ties both with the oriental world and modern world.	iii. Map Works.	comprehendi ng, high order thinking, assertion and reasoning, case- based, oral drilling etc.	frontier, Standard Meridian of India, Advantages of central Location of India on the Globe, India’s contacts with the world, India’s Neighbours *The students will be capable of explaining about Implications of Latitudinal and Longitudinal extent of India, Advantages of Strategic Central Location of India on the Globe. *The students will be able to develop the skills of locating and labelling features on the on the political outline map of India.	
June + July	14 + 26	<u>Ch-2: Physical Features of India:</u> i. (Major Physiogra phic Divisions of India.) ii. (The Himalaya n	<u>1. Acquisition of Knowledge:</u> To enable the students to know about Major Physiographic Divisions of India and the salient characteristic of each of these divisions. <u>2. Development of Understanding:</u> To enable the students to understand about the Evolution of Major Landform Features of India as well as the major characteristic of each of these physiographic divisions and	1. Exogenetic and Endogenetic Forces. 2. Brief description of the theory of Plate Tectonics. 3. Some key terms such as Mountain Pass, Duns,	1. Save the environm ent Dance (You Tube Link) 2. Welcome to India: a title song related to diverse relief	1. Chemistry: Radioactivit y. 2. Physics: Tectonic Forces.	-Multiple Diverse Assessment Embedded in Classroom Pedagogy: <i>Topic- Evolution of the Himalayas.</i> General Guidelines: Pictorial Representat ion of the Evolution	1. A better understandin g of Evolution of Major Landform Features of India through smart class video. 2. PPT Slides to impart knowledge and understanding	1. Evolution of Major Landforms of India. 2. Salient	Clarity of Concept through	*The students will be able to know and learn about Major Physiographic Divisions of India and the salient characteristic of each of these divisions. *The students will be capable of explaining about the Evolution

		Mountains .) iii. The Northern Plains.) iv. (The Peninsular Plateau. v. (The Indian Desert) - vi. (The Coastal Plains) vii. (The Islands)	also the relative significance of these physiographic divisions. <u>3. Development of Skill:</u> To enable the students to develop the skill of locating and labelling as well as identifying features on the political outline map of India.	Gorge and Canyon, Alluvium, Riverine Islands, Distributaries , Delta and Estuary, Doab, Bhabar, Terai, Bhangar, khadar, Deccan Trap, Horst, Barchans, Lagoon, Corals, volcano etc.	features of India (you Tube link)	3. History: Political Significance of the Himalayas. 4. Biology: Coral Reef.	of the Himalayas by mentioning there in the different phases of upliftment of the three distinct ranges during the geological ages in a Stick File. On an outline map of India show the following. 1. Mountain and hill ranges – the Karakoram, the Zaskar, the Patkai Bum, the Jaintia, the Vindhya range, the Aravali, and the Cardamom hills. 2. Peaks – K2, Kanchenjunga, Nanga Parbat and the Anai Mudi. 3. The Indian Desert, Western Ghats, Lakshadweep Islands	of the salient characteristic features of the Major Physiographic Divisions of India.	Characteristic features of each 3. Physiographic Divisions of India through Physical Map of India.	thought-provoking quizzing, critical thinking, logical reasoning, comprehending, high order thinking, assertion and reasoning, picture-based learning, case- based, oral drilling etc	of Major Landform Features of India as well as the major characteristic of each of these physiographic divisions and also the relative significance of these physiographic divisions. *The students will be able to develop the skills of locating and labelling features on the on the political outline map of India.
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Aug	22	<u>Ch-3: Drainage:</u> i. Drainage System of India. ii. The Himalayan River iii. -The Peninsular River. iv. Lakes. v. Role of Rivers in the Economy. vi. River Pollution.	<u>1. Acquisition of Knowledge:</u> To enable the students to know about the terms drainage, drainage basin, River System, water divide, general characteristic features of the Himalayan and the Peninsular Rivers, Lakes and Types, Causes of River Pollution. <u>2. Development of Understanding:</u> To enable the students to understand about the significant difference between the Himalayan and the Peninsular Rivers, salient characteristic features of the Rivers Indus, Ganga, Brahmaputra, Narmada, Tapi, Mahanadi, Godavari, Krishna and Kaveri, Formation of different types of Natural Lakes, Reservoirs, Role of Rivers in the Economy, Causes of River Pollution. <u>3. Development of Skill:</u> To enable the students to develop the skill of locating and labelling as well as identifying Major Himalayan and Peninsular Rivers, Saltwater and Freshwater Lakes on the political outline map of India.	1. Drainage, 2. Drainage Basin, 3. River System, 4. Water Divide, 5. Perennial and Intermittent Rivers,	1. Festivals celebrated along the bank of Ganga. 2. A Hindi song related to conservation of water.	1. History: Rivers are the Cradle of Ancient civilization. 2. Economics: Role of Rivers in the Economy. 3. Literature: Mythological Significance of Rivers and Lakes.	1. Project on River Pollution. 2. Project on Ganga Action Plan. 3. Project on Conservation and Management of Water Resources	1. To impart knowledge and information regarding Rivers as the Lifeline of National Economy through a video. 2. Video representation of Jal Hi Jeevan. 3. A documentary of Pollution of River Ganga. 4. A documentary on Socio-cultural practices associated with the rivers and lakes in India	-Drainage System of India.	Clarity of Concept through thought-provoking quizzing, critical thinking, logical reasoning, comprehending, high order thinking, assertion and reasoning, picture-based learning, case- based, oral drilling etc	*The students will be able to know and learn about the terms drainage, drainage basin, River System, water divide, general characteristic features of the Himalayan and the Peninsular Rivers, Lakes and Types, Causes of River Pollution. *The students will be capable of explaining about the significant difference between the Himalayan and the Peninsular Rivers, salient characteristic features of the Rivers Indus, Ganga, Brahmaputra, Narmada, Tapi, Mahanadi, Godavari, Krishna and Kaveri, Formation of different types of Natural Lakes, Reservoirs, Role of Rivers in the Economy, Causes of River Pollution.
Sep	05	Revision of Term-I Examination:									
October + Novem	13 + 22	<u>Ch-4: Climate:</u>	<u>Acquisition of Knowledge:</u>	Climate, Weather,	1. Find out	1. Physics: Temperature and	Project: Combati	-A Video on Climatic Change.	1. Regional Variations	Clarity of Concept through	*The students will be able to know and learn about the day-

ber		1. Concept of climate and Weather. 2. Concept of Monsoon 3. Regional Diversity of Climatic Conditions in India. 4. Climatic Controls. -Factors affecting India's Climate (Excluding Jet Stream and Western Cyclonic Disturbances) * Note: Mechanism of Indian Monsoon, *The Onset of	To enable the students to know about the day-today atmospheric conditions that prevail in our locality, the General Climate of India, Six Major Controls of Climate, Factors affecting India's Climate, Four Main Seasons of India, Uneven Distribution of Rainfall in India. <u>2. Development of Understanding:</u> To enable the students to understand about as how the atmospheric conditions vary over the time and space, the Concept of Climate and Weather, the Concept of Monsoon, Regional Variations of Climatic Conditions in India, Factors Controlling Climate of any Place, Factors affecting India's Climate, Salient Characteristic Features of Four Main Seasons in India, Causes of Uneven Distribution of Rainfall in India and How Monsoon acts as Unifying Bond for the Country of India. <u>3. Development of Skill:</u> To enable the students to develop the skill of locating, labelling and identifying features on the political outline map of India.	Monsoon, Major Pressure and Wind Belts of the World, ITCZ, Jet Stream, El-Nino, Mahawat, Loo, Kaal Baisakhi, Mango shower, Retreating Monsoon, October Heat, Cyclone and Anticyclone etc.	which songs, dances, festivals and special food preparations are associated with certain seasons in your region. 2. Collect photographs of typical rural houses and clothing of people from different regions of India. Examine whether they reflect any relationship with the climatic	Pressure Variations. 2. Literature: Monsoon is a symbol of unity. 3. Physics: Coriolis Force.	g Climatic Change. Project: Preparedness for a disaster- Flood or Cyclone or Drought or Landslide	-A Video on Global Warming. -A Video on Weather Associated Disasters.	in Climatic Conditions. 2. Climatic Controls. 3. Factors Affecting India's Climate. 4. Cycle of Seasons. 5. Distribution of Rainfall.	thought-provoking quizzing, critical thinking, logical reasoning, comprehending, high order thinking, assertion and reasoning, case-based, oral drilling etc.	today atmospheric conditions that prevail in our locality, the General Climate of India, Six Major Controls of Climate, Factors affecting India's Climate, Four Main Seasons of India, Uneven Distribution of Rainfall in India. *The students will be capable of explaining about as how the atmospheric conditions vary over the time and space, the Concept of Climate and Weather, the Concept of Monsoon, Regional Variations of Climatic Conditions in India, Factors Controlling Climate of any Place, Factors affecting India's Climate, Salient Characteristic Features of Four Main Seasons in India, Causes of Uneven Distribution of Rainfall in India and How Monsoon acts as Unifying
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		<i>the Monsoon and Withdrawal is deleted from the current portion.</i> 5. Distribution of Rainfall. -Monsoon as a Unifying Bond.)			condition and relief of the area.						Bond for the Country of India. *The students will be able to develop the skills of locating and labelling and to identify the features on the on the political outline map of India.
Dec	23	CH-6- Population: 1. Population Size and Distribution)	1. Acquisition of Knowledge: To enable the students to know about Census, Total population, Uneven Distribution of Population, the magnitude and rate of India's Population Growth etc. 2. Development of Understanding: To enable the students to understand about various factors affecting uneven distribution of population in our country and how birth rate, death rate and migration affect population change.	Census. -Density of Population. -Population Change. -Birth Rate.	-Songs and Slogans related to Family Planning in Hindi in Doordarshan Channel.	-Political Science: Census. -Economics: Impact of Population Explosion on National Economy, Employment and Output.	Project: Conduct a class census by preparing a questionnaire. The questionnaire should contain a minimum of five questions.	-A Video on Population Explosion and Consequences. -A Documentary in Hindi entitled 'Badhti Jansankhiya-Vardhan or Avishap'	-Uneven Distribution of Population. -Rate of India's Population Growth from 1951 upto 2021	Clarity of Concept through thought-provoking quizzing, critical thinking, logical reasoning, comprehending, high order thinking, assertion and reasoning, case-based, oral drilling etc	*The students will be able to know and learn about Census, Total population, Uneven Distribution of Population, the magnitude and rate of India's Population Growth etc. *The students will be capable of explaining about various factors affecting uneven distribution of population in our country and how birth rate, death rate and migration affect population change.
Jan	16	2. Population Growth and the Process of Population Change	3. Development of Skill: To enable the students to develop the skill of locating, labelling and identifying features on the political outline map of India.	-Death Rate. -Annual Growth Rate. -Migration.	-Nukkard Natak on Population Explosion and	-Economics: Impact of Urbanization.	Questions should relate to students, their family members, their class performance	-A documentary on Growing Immigration and			

					Consequences. -Debate: What is more important- Quality or Quantity of Population?	-Economics: Human resource Development.	e, their health, etc. Each student is required to fill in the questionnaire. Compile the information in numerical terms (in terms of percentage) . Present the information through pie-chart, bar-diagram.	Implementation of CAA			
Feb		ANNUAL EXAMINATION									
March											

SUBJECT: Economics

Textbook: 1.NCERT

Month	WD	Chapter/Sub-Topics	Learning Objectives	Key Terms and Concept	Art Integration	Inclusive Teaching/Subject Integration	Project / Practical	Research Work Blended Learning	Smart Board Activity	Competency Based Activity Learning	Learning Outcomes
April	24	1. The Story of Village Palampur: • Overview • Organization of Production • Farming in Palampur • Non-farm activities in Palampur	1.Acquisition of knowledge: To familiarize with basic economic concepts through an imaginary story of a village. To understand the organization of production in rural areas like Palampur.	Physical capital, Working capital ,Fixed capital ,Human capital, Factors of production, HYV, Modern farming method,	Poster Making	•Organization of Production • Farming in Palampur • Non-farm activities in Palampur to be integrated with the concept of Geography	Activity	NA	Revision and Quiz	Q & A LOA	Students will be able to describe the organization of production in Palampur and compare it with other rural areas. Students will be able to differentiate between subsistence farming and

			2.Development of understanding: To identify the different types of farming activities in Palampur. To comprehend the importance of non-farm activities in the rural economy of Palampur. 3.Development of skills To analyse the factors that influence the organization of production in Palampur	Farm surplus							commercial farming in Palampur. Students will be able to explain the contribution of non-farm activities to the rural economy of Palampur. Students will be able to evaluate the impact of factors like land, labour, capital, and technology on the organization of production in Palampur.
May	08	2. People as Resource: • Overview • Economic Activities by Men and Women	1.Acquisition of knowledge: To understand the concept of "People as Resource" and its significance in economic development. 2.Development of understanding: To explain the economic activities of men and women and their contribution to the economy.	Primary sector, Secondary sector, Tertiary sector, Trade, Transportation, Communication	Collaborative Art Project: Invite your students to work together to create a large-scale mural or collage that represents the many ways in which people can be considered a valuable resource. This could		Research: Students can conduct research on the concept of 'People as Resource' and gather information on the	N.A.	Revision and Quiz	Q & A LOA	Students will be able to describe the concept of "People as Resource" and explain how it can contribute to economic development. Students will be able to analyse the gendered nature of economic activities and the impact of gender inequality on the economy.

					include images of workers in various industries, community volunteers, activists, artists, and more						
June	14	• Quality of Population • Unemployment	1.Acquisition of knowledge: To analyse the quality of population in terms of education, health, and skill levels. To identify the causes and consequences of unemployment and its impact on the economy	Human Resource ,Investment ,Capital formation Capital formation Seasonal and Disguised unemployment		• Quality of Population • Unemployment to be integrated with demographic dividend and composition					Students will be able to evaluate the quality of population in terms of education, health, and skill levels, and assess its impact on economic development. Students will be able to identify the causes and consequences of unemployment and analyse its impact on the economy. They will also be able to suggest possible solutions to reduce unemployment and enhance economic growth
July	26	3.Poverty as a Challenge: • Overview • Two typical cases of Poverty • Familiarize with	1.Acquisition of knowledge: To define poverty and understand its various dimensions.	Illiteracy, Malnutrition , Social exclusion, NSSO,	Visual Art: Invite students to create visual art pieces that		Case study: Students can choose a communi	PPT	Revision and Quiz	Q & A LOA	Students will be able to define poverty and identify its different dimensions.

		basic economic concepts through an imaginary story of a village. • Poverty as seen by Social Scientists • Poverty Estimates • Vulnerable Groups	2.Development of understanding To analyse the causes and consequences of poverty at individual, national, and international levels. Identify and evaluate the measures taken to alleviate poverty .	Income, ,Inequalities Indebtness	represent their understanding of poverty as a challenge. They could create paintings, drawings, collages, or mixed media pieces that reflect the realities of poverty, as well as the potential for change and hope.		ty or a group of people living in poverty and conduct a case study. They can investigate the reasons for poverty in that community, the challenges faced by its inhabitants, and the interventions that have been attempted to alleviate poverty.				Students will be able to analyse the causes and consequences of poverty and how they vary across different levels. Students will be able to evaluate the effectiveness of measures taken to alleviate poverty.
Aug	22	• Inter-state Disparities • Global Poverty Scenario • Causes of Poverty • Anti-Poverty measures • The Challenges Ahead	To understand the role of government policies, institutions, and international organizations in reducing poverty. 3.Development of skills To discuss the								Students will be able to understand the role of government policies, institutions, and international organizations in reducing poverty. Students will be

			importance of sustainable development in poverty reduction								able to discuss the importance of sustainable development in poverty reduction and how it can help address the root causes of poverty.
Sept		REVISION FOR THE TERM-I EXAMINATION									
Oct	13	4. Food Security in India: • Overview • What is Food Security? • Why Food Security? • Who are food insecure? • Food Security in India • What is Buffer Stock?	1.Acquisition of knowledge: To define and explain the concept of food security in India. 2.Development of understanding: To analyse the causes and consequences of food insecurity in India. 3.Development of skills To evaluate the policies and programs aimed at achieving food security in India. To critically assess the effectiveness of food security interventions in India To discuss the role of international trade	Availability, Accessibility, Affordability, Famine, Chronic Hunger Green Revolution FCI Issue Price Fair Price Shops, ICDS, NSSO PDS,AAY, MSP,	Visual Art: Visual art can be a powerful medium to depict the challenges of food security in India. Paintings, drawings, and photographs can be used to showcase the scarcity of food, hunger, and malnutrition in the country. The artwork can be displayed in public places, such as parks, galleries, or museums, to raise awareness about the issue.		Examine government policies and programs : India has several government policies and programs aimed at addressing food security, such as the Public Distribution System, Mid-Day Meal Scheme, and National Food Security Act. Analyze	PPT	Revision and Quiz	Q & A LOA	Students will be able to understand the complex nature of food security in India, including its multidimensional aspects. Students will be able to identify the main factors contributing to food insecurity in India, such as poverty, climate change, and inequality. Students will be able to assess the impact of government policies and programs, such as the National Food Security Act, on reducing hunger and malnutrition in India.

			and globalization in achieving food security in India.				these programs to determine their effectiveness in addressing food insecurity .				Students will be able to analyse the challenges and limitations of food security interventions in India, such as implementation issues and lack of resources. Students will be able to evaluate the role of international trade and globalization in shaping food security in India and its implications for the country's food system.
Nov	22	•What is the Public Distribution System? •Current status of PDS • Role of co-operatives in food security	1.Acquisition of knowledge: To define and explain the Public Distribution System. 2.Development of understanding Current status of PDS Role of co-operatives in food security								Students will be able to define and explain the Public Distribution System. Students will be able to understand the understand Current status of PDS Role of co-operatives in food security to identify the main factors contributing to

											food insecurity in India, such as poverty, climate change, and inequality
Dec	23	REVISION FOR ANNUAL EXAM									
Jan	16	REVISION FOR ANNUAL EXAM									
Feb											

SUBJECT: Artificial Intelligence (417)

Textbook: 1. Decoding Artificial Intelligence (Sultan chand)

Month	WD	Chapter/ Sub-Topics	Learning Objectives	Key Terms and Concept	Art Integration	Inclusive Teaching	Project / Practical	Research Work Blended Learning	Smart Board Activity	Competency Based Activity Learning	Learning Outcomes
April	24	Part A: Unit-1 Communication Skills: - • Introduction Ways of communication • Elements of communications • Importance of communication skills • Verbal and non-verbal communication • Factors Affecting communication at the Workplace. • Communication barriers Ways to handle • communication barriers.	Students will learn about the best way to communicate and how to handle any barriers if it occurs.	• Communication and its types • 7C's of effective communication • Communication barriers	1. Make a Comic book on "Autobots" and show how autobots are communicating. Use verbal communication to show the messages and paste images of autobots. 2. Draw the diagram of Visual communication which you can identify in public places.	Focus on every student should learn the communication skills which promotes active listening and ensure that students are able to express themselves.	Identify the various types of communication and which best practices can be used to handle communication barriers.	• Topics to be clear via PPT. • List out the various examples of communication that you can notice around you in daily life.	LOA, Quiz, PPT	• Various sign boards to discussed • Types of various communication	Students will be able to identify various types of communication and able to handle barriers of communication.
May	08	Part A: Unit-2 Self-management	Students will learn about the best	• Definition • Stress Management	Make a poster on Yoga which will explain	Every student should learn the self	Identify the various causes of stress and	• Topics to be clear via PPT. • List out the	LOA, Quiz, PPT	Skills using which students can succeed	Students will be able to identify

		skills:- • Meaning and Importance of Stress Management • Stress Management Technique Self-confidence and positive thinking. • Personal hygiene and self-grooming.	practices of self management.	t • Self-confidence • Personal Hygiene • Grooming	how yoga is helpful in releasing stress.	management skills which will help them in time management and improve their personality.	what is the best practice to handle it.	best practices of stress management techniques.		academically and personally. These skills include time management, goal setting	various self management techniques.
June	14	PART: B Unit 5: Introduction to python: • Introduction to Python language and its applications • Datatypes and variables • Operators in python's Some basic programming in Python. Part -A Unit-3 ICT Skills -1 : • Role and important of ICT • Computer basics & Input, Output and Storage System • Basic Components of a computer System. • Peripheral Devices & their Uses	Students focus on building foundational programming skills, logical thinking, and an understanding of computer science concepts.	ICT, Input, Output OS, Peripheral Devices , Viruses, ISP,	Make a chart paper and paste image of keyboard. Highlight the different keys with colors based on the category and write about the key.	Inclusive teaching in Python programming aims to ensure that all students, regardless of their learning styles, backgrounds, or abilities, can successfully learn and apply Python coding skills. process.	1.To find square of number 7 2.To find the sum of two numbers 15 and 20. 3. To convert length given in kilometers into meters. 4.To print the table of 5 up to five terms. 5. To calculate Simple Interest if the principle_amount = 2000 rate_of_interest = 4.5 time = 10	Write python program for the following: a. Area of circle b. Area of triangle c. Convert meter to centimeter	LOA, Quiz PPT	Python focuses on developing specific skills and competencies in learners through hands-on, practical activities. The main idea is to help learners understand and apply Python concepts through interactive exercises, projects, and challenges that align with real-world scenarios.	Understand Python Syntax and Structure Implement Control Flow Statements
July	26	PART: B Unit 1- AI reflection ,Project Cycle	These concepts aim to introduce	Excite Relate Purpose	Make a statement about	Inclusive teaching in AI focuses on	Students will do the practical in	Recommended Activity: Game 1: Rock,	LOA, Quiz PPT	AI Reflection focuses on learners actively	Understanding AI Concepts

		and Ethics. Introduction to AI: setting up the context of the curriculum: Excite Relate Purpose Possibilities AI ethics	students to artificial intelligence as well as the ethical considerations and project management techniques involved in technological development.	Possibilities AI Ethics	lighting and LUIS will interpret and adjust the house accordingly.	ensuring that all students, regardless of their backgrounds or learning needs, can understand and engage with AI concepts.	Ice Breaker Activity: Dream Smart Home idea • Learners to design a rough layout of floor plan of their dream smart home.	Paper and Scissors (based on data) (https://next.rockpaperscissors.ai/) – Game		reflecting on the impact and potential consequences of AI systems and technologies.	and Technologies AI Project Lifecycle and Management
Aug	22	AI PROJECT CYCLE Problem Scoping • Data Acquisition • Data Exploration • Modelling • Identify the AI Project Cycle framework.	-	AI Project Cycle. stakeholders Brainstorm. problem scoped.	Incorporate annotated screenshots or illustrations within the user guide to visually guide users through the software interface and functionalities.	-	Life cycle of project using different models.	-	LOA, Quiz PPT	-	-
Sep	5	Project work and Revision									
Oct	13	PART : B Unit 2- Data Literacy •Introduction to Data Literacy •Impact of Data Literacy •How to become Data Literacy	Data literacy is an essential skill for students in today's data-driven world. It equips them with the ability to collect, analyze, interpret, and communicate data effectively.	• Data in computing • Data vs Information • DIKW Model	-	Inclusive teaching in data literacy involves ensuring that all students, regardless of their backgrounds, abilities, or learning styles.	-	-	LOA, Quiz PPT	Data literacy focuses on equipping learners with the ability to understand, interpret, and work with data effectively in various contexts.	Understanding Data and Its Sources Data Collection and Management

Nov	22	Unit 3:-Math for AI (Statistics & Probability) • Introduction • Logical reasoning Unit 4 :- Introduction to Generative AI:- • Introduction • New Methods of generative AI	The goal is to introduce mathematical concepts that understands AI algorithms and models.	• Mathematics and patterns • Applications of mathematics in AI • Statistics • GANs • RNNs • VAEs • ChatGPT		It ensures that all students, are provided with the necessary support to understand key mathematical concepts used in artificial intelligence.			LOA, Quiz PPT	It refers to a subset of AI techniques that can create new content such as images, music, text, and even code with the rise of technologies like GPT	Understand the Basic Concepts of Probability Statistical Inference and Estimation
Dec	23	PART: A Unit 5: Green Skills- Natural Environment Influence on Environment Natural resource conservation Green Economy Green skills	It refers to the knowledge, abilities, values, and attitudes that are required to promote sustainable environmental practices.	green skills Natural Environment Natural resource conservation Green Economy	1. Make a poster on “Save Nature - Save Earth”. Write one message regarding save nature and save earth. 2. Using waste material make some useful thing. For example: Make flowerpot using old plastic bottle.	It focuses on ensuring that all students, regardless of their socio-economic backgrounds, abilities, learning styles, or cultural contexts, can access and engage with the knowledge and skills required to address environmental sustainability	—	Maintaining a record of all AI activities and projects (For Example Letter to Future self, Smart Home Floor Plan, Future Job Advertisement, Research Work on AI for SDGs and AI in Different Sectors, 4Ws canvas, System Map).	LOA, Quiz PPT	Green Skills It focuses on developing the knowledge and practical abilities required to address environmental challenges and promote sustainable development.	Understanding Environmental Issues and Sustainability Knowledge of Green Technologies and Innovations
Jan	16	Part A: Entrepreneurial Skills: Introduction Myths of Entrepreneur Advantages and Disadvantages of	Entrepreneurial skills are essential for students to understand as they prepare for future careers, whether they choose to start their own businesses or	Entrepreneur, Entrepreneurship, Myths of Entrepreneur.	Activity conducted on Entrepreneurial Skills and Business model.	It aims to ensure that all students—regardless of their background, learning abilities, or socio-economic status—have equal access to	Make a project on “Entrepreneur and Society”. Write all the possible things that an entrepreneur is doing for	List out some of the idea to start a new business. Think as an entrepreneur and think about new and innovative ideas	LOA, Quiz PPT	Entrepreneurial Skills Competency-Based Activity Learning (CBAL) is an educational approach designed to help learners develop the skills and	Understanding Entrepreneurship and the Business Environment

		Entrepreneurship Types and Fields of Entrepreneurship.	work within an organization.			the knowledge, tools, and support needed to develop entrepreneurial competencies.	the society and how they are involved.			mindset necessary for successful entrepreneurship.	Developing a Business Idea and Innovation
Feb		REVISION FOR ANNUAL EXAMINATION									

SUBJECT: ART EDUCATION (VOCAL MUSIC)

Month	WD	Chapter/Sub-Topics	Learning Objectives	Key Terms and Concept	Art Integration	Inclusive Teaching	Project / Practical	Research Work Blended Learning	Smart Board Activity	Competency Based Activity Learning	Learning Outcomes
	NOP										
April	24	Song “ Buddham Sharanam Gacchami ”	Children will learn the song and will get to know about the Swar used in this Song.	Concept About - Jhpataal and Even Beats - Melody of Raag Bilawal	Usage of Notes of Raag Bihag and made difference between the songs	Teaching Komal Notes through this Song	Creating Swar Alankars and aaroh and avroh	NO	NO	Flip the musical notes	Children will learn the Song and will know the usage of Komal ga and Dha
May	08										
June	14	Raag “ Bhairavi ” Discription, Aaroh, Avroh & Bandish	Practice of small alankars Using of all komal swar Effortlessly singing Raag Swars and useage as sargams	Knowing About the follwing - Jaati - Thaat - Waadi swar - samwadi swar - Gayan samay	Identificati on of other songs related to this raga's interpretati on	Usage of Swar Re and Dha sangati Properly	Creating Taan with Jumble Funny Activity	NO	NO	Playing notes in Haronium and understanding the Tune	Children will get to know small alankars Using all komal swar Effortlessly singing Raag Swars and useage as sargams
July	26										
Aug	22	Song for teachers “ Nanhe se Kadam Le Kar ”	Knowing to sing in Different Patterns of Same taal. Knowing About expressing gratitude towrds teaches	Knowing About the follwing - Indo - western Beats - Collaboration between indian Classical music and western music	Usage of different sargams during singing	Blending Saragams with songs	Singing and counting in Hand beats	NO	NO	NO	Children will Know to sing in Different Patterns of Same taal. Knowing About expressing gratitude towrds teaches
Sept		TERM I EXAMINATION									

Oct	13	Bhajan “ Krishn Kanhaiya Dau ji ke Bhiyaa ”	Children will learn the Bhajan and will get to know about the Swar used in this Bhajan.	Knowing about 1. Dadra taal. Children will 2. learn to sing Suddh Swar.	Blending Swar of raag Bhopali	Teaching Suddh Notes through this prayer	Singing swaras in jumbled form in Kalyaan Thaat	NO	NO	Guess the Song Activity	Children will learn the Bhajan and will be able to sing Suddh Swar effortlessly
Nov	22										
Dec	23	Christmas Song “ We three kings ”	Knowing About Singing in Western Beats along with Clapping and taping Sound Variations in Western music (Western Notation)	Concept About • Four By Four Beat Structure • Scale and its type	Difference between Indian Rhythm and western rhythm	Learning about difference between fast beat and slow beat songs	Western notation and sound system	Songs related other western culture	NO	NO	Children will knowing About Singing in Western Beats along with Clapping and taping Sound Variations in Western music (Western Notation)
Jan	16	Song from Almann “ Gaye ja aye Rahi ”	Knowing About How to sing Motivational Song Using of Komal Ga swar in Song	Concept About • Kaafi Raag And its different Chalan • Swar and its type	Use of Musical notes which changes the mood of the song	Teaching prayog of Komal Gandhar to Set the tone of the song	Other Songs related to Horse Beat	Using of other musical notes rather than Komal gandhar and Dhaiwat	NO	NO	Children will Know About How to sing Motivational Song Using of Komal Ga swar in Song
Feb		Term II EXAMINATION									

SUBJECT: ART & CRAFT

Month	WD / N	Chapter/ Sub-Topics	Learning Objectives	Key Terms and Concept	Art Integration	Inclusive Teaching	Project / Practical	Research Work Blended learning	Smart Board Activity	Competency Based Activity Learning	Learning Outcomes
APRIL	24	Landscape in pencil shading Portrait study	<u>To give knowledge about pencil shade.</u>	Elements of art	Shape & Size. trigonometry	Shape & Size. trigonometry	<u>Prepare a chart of pencil shade.</u>	Make Landscape in pencil shading.	Revision and Quiz	• Q & A LOA	• Students will be able to understand various aspects of development. • Students will be able to identify various indicators of development

											Student will be able to differentiate quantitative & qualitative measures of comparison
MAY	08	Portrait study	<u>To give detailed knowledge to draw face.</u>	Elements of art	Literature- portrait painting of famous personality	Literature- e- portrait painting of famous personality	<u>Draw a portrait of anyone sports personalities.</u>	Biography.			
JUNE	14	Rajasthani miniature Art Mughal Miniature Art art	<u>To give knowledge of both the topics.</u>	Elements of art	History of Indian art During Mughal art and culture	History of Indian art During Mughal art and culture	<u>Project file on Rajasthan i miniature & Mughal miniature</u>	Evaluation of Mughal Art and Rajasthani art			
JULY	26	Acrylic or oil painting on canvas Composition in Watercolor	<u>To teach use of acrylic color</u>	Elements of art	Knowing 3D shapes in math's	Knowing 3D shapes in math's	<u>Draw a flower using Acrylic Color.</u>	Techniques to use Acrylic Color.			Students will do a painting on canvas using acrylic color
AUG	22	Acrylic or oil painting on canvas Composition in Watercolor	<u>To teach use of acrylic color</u>	Elements of art	Knowing 3D shapes in math's	Knowing 3D shapes in math's	<u>Draw a flower using Acrylic Color.</u>	Techniques to use Acrylic Color.			Students will do a painting on canvas using acrylic color

SEPT	05	Glass Painting Madhubani painting	<u>To teach Glass Painting.</u>	Elements of art	Madhubani can be done on glass and art and culture of Bihar can be taught	Madhubani can be done on glass and art and culture of Bihar can be taught	<u>Do a Painting on 10" X 10" size of Glass.</u>	How to bring perfection in Glass Painting.			
OCT	13	Glass Painting Madhubani painting	<u>To teach Glass Painting.</u>	Elements of art	Madhubani can be done on glass and art and culture of Bihar can be taught	Madhubani can be done on glass and art and culture of Bihar can be taught	<u>Do a Painting on 10" X 10" size of Glass.</u>	How to bring perfection in Glass Painting.			
NOV	22	Madhubani painting Composition in Watercolor	To inculcate knowledge about composition drawing.	Elements of art	It can be related with village story, in Hindi or Eng subject	It can be related with village story, in Hindi or Eng subject	One Landscape and one village landscape to be done	Students will draw composition of a village visited by them			Students will be making a composition in Watercolor
DEC	23	Study of Design a) Floral b) Geometrical c) Ornamental d) Abstract	To inculcate knowledge about various design.	Elements of art	Math's, shapes, symmetry	Math's, shapes, symmetry	Draw a Rangoli on your own idea.	Students will draw a Symmetrical design using different shapes.			

JAN	16	Ivory/colored paper paper craft	To teach use of <u>Ivory paper/ colored sheet</u>	Elements of art	Animals and bird drawing in science and literature too	Animals and bird drawing in science and literature too	<u>Make a bird with Ivory paper.</u>	Make a Mask using Ivory Sheet			
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SUBJECT: HEALTH AND PHYSICAL EDUCATION (CODE NO. 412)

Month	WD NOP	Chapter/ Sub-Topics	Key Terms and Concept	Art Integration	Project / Practical	Research Work Blended Learning
April	24	1. <u>INTRODUCTION / PREAMBLE</u> 1.1 Rationale 1.2 Overall Objectives of Health and Physical Education 1.3 Mainstreaming HPE	Preambles • Objectives • Aims • Physical Education	Ground Marking, Poster Making.	Diagram making of fields.	Student will find out the various definitions of HPE
May	08	2. <u>FOUR STRAND</u> 2.1 Introduction 2.2 The Objectives	Strands Objectives Procedure & Benefit .	Yoga chart making by students	Practical file making.	NA
June	14	3. <u>GAMES / SPORTS</u> 3.1 Athletics or Swimming 3.2 Team Games 3.3 Individual Games 3.4 Adventure Sports	Team Games Special Olympics, Paralympics, Deaflympics	Chart making of all Adventure Sports .	Practical file making.	NA
July	26	4. <u>HEALTH AND FITNESS</u>	Team Games Special Olympics, Paralympics, Deaflympics	Chart making of all Adventure Sports .	Practical file making.	NA
Aug	22	5. <u>SEWA (SOCIAL EMPOWERMENT THROUGH WORK EDUCATION AND ACTION)</u> 5.1 Introduction 5.2 Objectives 5.3 The SEWA Philosophy 5.4 Note to Class Teachers	Concept of SEWA Fitness test.	Making of diet chart of different age group. Picture chart making of fitness test.	Practical file making.	NA

		5.5 The learning outcomes expected to be developed and fostered through participation in SEWA are experiential. 5.6 Guidelines for Schools 5.7 Guidelines for Students 5.8 What forms of social Empowerment Activity? 5.9 Activities Complying with SEWA criteria				
Sept	05					
Oct	13	<u>5. SEWA (SOCIAL EMPOWERMENT THROUGH WORK EDUCATION AND ACTION)</u> 5.10 Guidelines for Mentor Teacher for conduct of SEWA 5.11 Procedures 5.12 My SEWA promise Form - Illustrative 5.13 SEWA Hourly Schedule 5.14 SEWA Hour Log (Illustrative) 5.15 SEWA Self Appraisal Form (Illustrative) 5.16 Flow Chart for Conducting a Project / Report / Event 5.17 Assessment and Evaluation 5.18 Exemplar Projects under Social Empowerment sub - strand of SEWA	Empowerment. Components of physical fitness, Effect of exercise on SPORTS INJURIES	Making of sports injuries Chart.	Practical file making.	NA
	22	<u>6. HEALTH AND ACTIVITY RECORD</u>	-Newton`s law and its application in sports.  Personality`s – Definition and types Psychological attributes, Self-esteem, Mental imagery, Self-talk,	Picture chart making of Jung classification and big five theory.	Practical file making.	NA

			Goal setting.			
Dec	23	<u>7.TRANSACTIONAL STRATEGIES FOR THE STRANDS OF HPE</u>	<u>Strategies</u> Talent identification, Talent development. Sports training cycle – Micro, Meso and Macro, Types and method to develop – STRENGTH, ENDURANCE, SPEED, FLEXIBILITY, COORDINATIVE ABILITY.	Pictorial chart making of sports training cycle.	Practical file making.	NA
Jan	16	<u>8.ASSESSMENT FOR THE STRANDS</u> <u>* THE GRADES / LEVELS OBTAINED UNDER THE FIRST THREE STRANDS WILL BE REFLECTED IN THE REPORT CARDS.</u>	<u>Strategies</u> Talent identification, Talent development. Sports training cycle – Micro, Meso and Macro, Types and method to develop – STRENGTH, ENDURANCE, SPEED, FLEXIBILITY, COORDINATIVE ABILITY.	Pictorial chart making of sports training cycle.	Practical file making.	NA
Feb						

Subject: INSTRUMENT (Music)

Month	W. D.	Chapter/ Sub-Topic	Learning Objectives	Key Terms and Concept	Art Integratio n Topics	Inclusive Teaching	Project / Practical Work	Research Work Blended Learning	Smart Board Activity	Competency Based Activity/ Learning Outcomes	Learning Outcomes
April	24	Style of different Gharanas	Knowledge of Notation	Knowledg e of	Number Counting.	Number Counting.	Practice for different	Count with finger.	NO	Students will come to	Students will come

		Composition Writing Hasta sadhan.		Notation			ghrana bol.			know about Hasta sadhan bol.	to know about Hasta sadhan bol.
May	08	Teen taal Kaida with palta. Vistar and tehai.	Development of nikas	Development of nikas	Number Counting.	Number Counting.	Practice for Teen taal, Kaida and palta	Count with Tali.	NO	Students will come to know about Teen taal and Kaida	Students will come to know about Teen taal and Kaida
June	14	Teen taal kaida with palta cont.	Development of nikas	Development of nikas	Taal Counting.	Taal Counting.	Teen Taal & Kaida Practice	Count with Tali & Khali.	NO	Students will learn about above taal.	Students will learn about above taal.
July	26	Teen taal kaida continue Western beat 4/4 beats	To inculcate knowledge about Kaida.	To inculcate knowledge about Kaida.	Forward & Back-word counting.	Forward & Back-word counting.	Skill Practice	Count with Tali & Khali.	NO	They will learn about Kaida, Palta, Vishtaar & Tihai. And Western beats.	They will learn about Kaida, Palta, Vishtaar & Tihai. And Western beats.
Aug	22	Teen Taal rela with palta, vishtar, tehai	To improve knowledge about Teen taal rela	To improve knowledge about Teen taal rela	Dance & Vocal music.	Dance & Vocal music.	Life skills of any Indian musician	Tali Counting in Taal.	NO	They will come to know about This Taal	They will come to know about This Taal
Sept	05	Revision Practice & Term - I Examination.									
Oct	13	Ektaal kayda with palta an tehai	Practice of Ektaal, kayda, palta and tehai.	Practice of Ektaal, kayda, palta and tehai.	Dance & Vocal music.	Dance & Vocal music.	Adherence of vrule and decipline	Coordination with Vocal music.	NO	They will learn Ektaal, kayda, palta and tehai.	They will learn Ektaal, kayda, palta and tehai.

Nov	22	Continue western beata practice, folk beats pratice	To improve knowledge about different Taal.	To improve knowledg e about different Taal.	Vocal music & Folk Music	Vocal music & Folk Music	Aiesthetic sense	Counting in Folk beats taal.	NO	They will come to know about folk and western beats	They will come to know about folk and western beats
Dec	23	Ektaal tukra and chakradhar and theka practice	To inculcate knowledge about taals	To inculcate knowledg e about taals	Dance & Vocal music.	Dance & Vocal music.	Aiesthetic sense	Tali Counting in Taal.	NO	Students will learn Ektaal tukra and chakradhar and theka practice	Students will learn Ektaal tukra and chakradhar and theka practice
Jan	16	Sequence of table solo performance and knowledge of accompaninent.	To improve perfection	To improve perfection	Perform Tabla in stage	Perform Tabla in stage	Life sketch of any western musician	Hand Coordination	NO	They will improve their performance.	They will improve their performance
Feb		Revision & Assignment , Term - II Examination									
March		Bridge classes with Kaharwa and Dadra taal									

SUBJECT :DANCE

Month	WD / NOP	Chapter/Sub-Topic	Learning Objectives	Key Terms and Concept	Art Integration	Inclusive Teaching	Project / Practical	Research Work Blended earning	Smart Board Activity	Competency Based Activity Learning	Learning Outcomes
APRIL	24	Shiv Vandana started.	<u>Extreme Tandav form of dance has to be learnt by the students.</u>	<u>Rudraksh jewellery making.</u>	Tandav and Lasya.	<u>Rudraksh jeweller y making.</u>	Integrate with mythology.	NO	NO	<u>Extreme Tandav form of dance has to be learnt by the students.</u>	<u>Extreme Tandav form of dance has to be learnt by the students.</u>
MAY	08	Revision									
JUNE	14	Bharatnatyam Based Choreography	<u>To know about bharatnatyam dance's fundamental</u>	<u>bharatnatyam based project</u>	Basic rules of bharatnatyam	<u>bharatnatyam based project</u>	Integrate with History.	NO	NO	<u>The art of moving our head, neck & eye on</u>	<u>To know about bharatnatyam dance's</u>

			<u>things is necessary.</u>		Dance.					<u>the classical rhythms.</u>	<u>fundamental things is necessary.</u>
JULY	26	Nritya & Natya	<u>Basic understanding of Art and Artform.</u>	<u>Complete introduction of theatre art.</u>	Basic rules of theatre art	<u>Complete introduction of theatre art.</u>	Integrate with Geography.	NO	NO	<u>The art of moving our head, neck & eye on the classical rhythms.</u>	<u>Basic understanding of Art and Artform.</u>
AUG	22	Anga, Pratyanga & Upanga	Classification of body	<u>Draw a diagram of the body labelling anga, pratyanga & upaanga.</u>	Understanding the body.	<u>Draw a diagram of the body labelling anga, pratyanga & upaanga.</u>	Integration with science.	NO	NO	<u>Ganesh Vandana lyrics and meaning.</u>	Classification of body
SEPT	05										
OCT	13	Shirobheda Greevabheda & Drishtibheda	<u>Head, Neck & eye Movements</u>	<u>The art of moving our head, neck & eye on the classical rhythms.</u>	Understanding the mobility.	<u>The art of moving our head, neck & eye on the classical rhythms.</u>	Integration with science.	NO	NO	<u>The art of moving our head, neck & eye on the classical rhythms.</u>	<u>Head, Neck & eye Movements</u>
NOV	22	continues						NO	NO		
DEC	23	Ganesh Vandana introduced.	<u>To know the mythology, one should learn Ganesh</u>	<u>Ganesh Vandana lyrics and meaning.</u>	Lord Ganesha's life history	<u>Ganesh Vandana lyrics and</u>	Integrate with Sanskrit.	NO	NO	<u>Ganesh Vandana lyrics and meaning.</u>	<u>To know the mythology, one should learn Ganesh</u>

			<u>Vandana.</u>			<u>meanin</u> <u>g.</u>					<u>Vandana.</u>
JAN	16	Any one Martial Art form of India.	<u>The students should know about different culture of India.</u>	<u>Jewellery making of that particular dance.</u>	Regional folk dance names learning.	<u>Jewelle</u> <u>ry</u> <u>making</u> <u>of that</u> <u>particul</u> <u>ar</u> <u>dance.</u>	Integrate with SST	NO	NO	<u>Jewellery making of that particular dance.</u>	<u>The students should know about different culture of India.</u>
FEB							Integratio n with science.	NO	NO	<u>The art of moving our head, neck & eye on the classical rhythms.</u>	<u>Head, Neck & eye Movements</u>

SUBJECT: GENERAL KNOWLEDGE

Textbook: 1. UPKAR'S EVER LATEST

MONTH	W.D	UNIT/ CHAPTERS	PAGE.NO
APRIL	24	CH-1 BOOKS AND AUTHORS CH-2 THE FINES ARTS CH-3 DATES AND EVENTS CH-4 BATTLE AND WAR CH-5 INDIAN HISTORY AND CULTURE	19 – 39 42 43 – 58 70- 71 75 - 82
MAY	08	CH-6 IMPORTANT LANDMARKS IN THE CONSTITUTIONAL DEVELOPMENT OF INDIA	86- 88
JUNE	14	CH-7 IMPORTANT EVENTS IN WORLD HISTORY CH-8 INDIAN STATES CH-9 POPULATION OF INDIA CH-10 THE CONSTITUTIONAL OF INDIA	88- 90 92 -94 95- 99 100- 117

		CH-11 INDIAN DEFENCE AND ALLIED TOPICS CH-12 INDIAN ECONOMY: AT A GLANCE CH-13 PLANNING IN INDIA	124 – 134 136 – 153 154 - 155
JULY	26	CH-14 RAILWAYS IN INDIA CH-15 CIVIL AVIATION CH-16 MULTIPURPOSE RIVER VALLEY PROJECT IN INDIA CH-17 FAMOUS TITLES OF WELL-KNOWN PERSONS & PLACES CH-18 CAPITALS OF COUNTRIES CH-19 TRADE NAMES CH-20 FIRST IN DIFFERENT FIELDS	157 – 159 160- 164 165 -171 172 – 178 180 – 184 184 186 - 197
AUGUST	22	CH-21 EVERYDAY SCIENCE CH- 22 INVENTIONS AND DISCOVERIES	206 215 - 233
SEPTEMBER	05	REVISION FOR THE TERM -I EXAMINATION	
OCTOBER	13	CH-23 HYGIENE AND PHYSIOLOGY CH-24 GEOGRAPHY CH- 25 SOME CURIOS	236- 241 242- 272 273 - 284
NOVEMBER	22	CH- 26 PHYSICAL GEOGRAPHY CH-27 GEOGRAPHY TERMS CH- 28 SPORTS CH- 29 SPACE RESEARCH	285 – 290 291 – 292 297 – 310 311 - 320
DECEMBER	23	CH- 30 AWARDS AND PRIZES CH-31 TERMINOLOGY CH- 32 INSTITUTIONS, RESEARCH STATIONS AND PLANTS IN INDIA	327 – 344 352 – 368 376 - 383
JANUARY	16	CH- 33. ART AND CULTURE CH-34 NEWSPAPER IN INDIA AND ABROAD CH-35 AGRICULTURE	385 – 386 387 – 389 390 - 393
FEBRUARY		REVISION FOR THE TERM -II EXAMINATION	

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