

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

SUBJECT: ENGLISH

Textbook: 1. FIRST FLIGHT

2. FOOTPRINTS WITHOUT FEET

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
March	10	FF- A Letter to God	To enable the students: -To develop their basic skills of language - listening, speaking, reading and writing. -To understand the plot and character of the story. -To enjoy and appreciate the story and the use of language. -To puzzle out the meaning of some unfamiliar words in the story. -To become aware of the theme and emotions. - To understand the importance of faith -To lend a helping hand to the needy. -To engage them in learning and recognizing the multilingualism of everyday experience	Faith - Understanding for others - Trust - Helpfulness - Patience - Simplicity - Innocence - Piousness - Kindness - Empathy	Make a post card and write a letter to your friend informing about the experience of this chapter.	Storytelling sessions where students share personal experiences of faith and hope.	Lencho's innocence will be compared to the protagonist of the movie PK. - Metaphors used in the chapter will be underlined. The students will complete the chart given in the book.	We communicate with our friends, teachers, relatives, and superiors verbally or through letters, emails, etc. We can't communicate with any mortal using our mind. On the contrary, we convey our thoughts with God mentally, not through letters or mails. Share your views regard	Animated story sequencing and interactive vocabulary exercises.	Write a letter from the perspective of Lencho, explaining his thoughts after the events in the story. Discuss the importance of faith in difficult times.	Students will be able to demonstrate an understanding of the theme of faith and destiny, and express emotions through writing a personal letter
		Unit -1. Poem DUST OF SNOW	Understand the significance of nature in shaping human emotions. Appreciate the role of a simple moment in uplifting one's spirits. Analyze how nature can be a metaphor for life's changes and the fleeting moments of joy.	The poet is upset and sitting under the hemlock tree. Suddenly a crow sitting on the tree shakes the tree and the fine particles of snow from tree falls on the poet. The	Hemlock tree the story of The Death of Socrates will be shared.	Connecting poetry to emotions by discussing how small moments can impact one's mood.	Have there been times when you felt depressed or hopeless? Have you experienced any moment that helped you to get out of that mood of sadness?	Have there been times when you felt depressed or hopeless? Have you experienced any moment that helped you to get out of that mood of sadness?	Poetry visualization and interactive mood-based word mapping.	Write a short poem describing a personal experience where something small or simple changed your mood	Students will appreciate the power of nature to influence emotions and express their feelings creatively through poetry.

				soft and cold touch of snow changes the poet's mood from sad to happy. He starts feeling soothed and refresh. In this way a simple moment proves to be very significant and saves rest of the day of poet from being wasted and held in regret							
		FIRE AND ICE	Interpret the metaphorical meanings of fire and ice in relation to human emotions. Reflect on the destructive powers of desire and hatred. Discuss the choices between destruction by fire (passion) and ice (hatred), and their implications on human life	In this poem, Frost points out that humans will be the agents of our own destruction, one way or another. He compares "desire" to "fire" and "hate" to "ice." Both desire and hate are represented by physical forces that could lead to our extinction.	Make a poster on the possible way in which the earth would come to an end.	Debate on how human emotions like desire and hatred shape world events	What is the rhyme scheme of the poem? How does it help in bringing out the contrasting ideas in the poem?	The poet presents two reasons which will lead to the destruction of the humanity. What values do you garner from the two possible causes provided by him?	Virtual brainstorming on how emotions impact human behavior.	Discuss the symbolic meanings of fire and ice in the poem. Have students write a paragraph explaining how these elements can represent different human emotions	Students will analyze the symbolic meaning of fire and ice, and articulate how these elements represent contrasting human emotions and ideas.
April	24	FPWF- 1.A Triumph of Surgery	☐ Examine the relationship between the doctor and the pet in the story. ☐ Discuss themes of care, responsibility, and the effects of overindulgence on health.	This story has been written by James Herriot. The subject of this story is a pet	Group Discussion : A discussion on 'Pets' and how to	Discussing responsible pet ownership and the impact of	Do you think there are parents like Mr. Pumphrey?	This episode describes the silly behaviour of a rich woman who is foolishly indulgent, perhaps	Animated storytelling of the chapter followed by an interactive quiz on pet	Role-play a conversation between the doctor and the patient discussing	Students will recognize the importance of medical interventions and reflect on the

			☐ Explore the concept of control and discipline in a person's life through humor and story.	dog which is spoilt by its owner. The dog is left with all other dogs so that it can play and get the much needed physical exercise.	take care of them	overindulgence on health. Students will share personal experiences with pets and compare them with the story.		because she is lonely. Do you think such people are merely silly, or can their actions cause harm to others?	care and responsible animal treatment	the benefits of surgery. Discuss the importance of understanding medical procedures	human experience through a character-driven narrative.
		Writing Skills Letter Writing	- Understand the format and tone of formal letters - Write clear, concise, and polite formal letters - Use correct grammar, punctuation, and sentence structure	- Sender's Address, Date, Receiver's Address - Subject Line - Salutation - Body (Intro, Main Content, Conclusion) - Complimentary Close - Formal tone	- Design a creative poster or infographic on "Parts of a Formal Letter" - Act out a conversation between a student and school principal (before writing the letter)	- Use visual aids for ELL (English Language Learners) - Provide sample formats and sentence starters - Use graphic organizers for planning the letter	- Write a letter to the Principal requesting a library upgrade or organizing an event - Peer review of each other's letters	- Find real-life examples of formal letters (complaints, applications, etc.) - Compare email vs. traditional letter format	- Use Google Docs or MS Word to draft, edit, and comment - Watch tutorial videos on letter writing	- Develop writing, formatting, editing, and communication skills - Build persuasive and problem-solving abilities	Students will write well-structured, grammatically accurate formal letters - Students will understand when and how to use formal tone
		A Tiger in the Zoo	☐ Analyse the theme of captivity versus freedom. ☐ Reflect on the contrast between the tiger's behaviour in the zoo and in the wild. ☐ Understand the symbolic meaning of captivity and freedom in the poem.	This poem contrasts a tiger when it is in its natural habitat and when it is imprisoned in a zoo. On a starry night, the poet sees a tiger in a zoo. The tiger moves slowly up and down in his cage. He is full of rage but is quiet in his	In 1910 there were thousands of tigers, in 2022 there are few thousand tigers, we will write a slogan on "Ek Tha Tiger"	Virtual tours of wildlife sanctuaries with discussions on conservation.	Compare our situation during Lockdown with the animals in the zoo and birds in the cage locked down forever for our fun.	Are zoos necessary for the protection or conservation of some species of animals? Are they useful for educating the public? Are there alternatives to zoo?	Virtual tours of wildlife sanctuaries with discussions on conservation	Create a dialogue between the tiger and a visitor to the zoo, focusing on the tiger's feelings of confinement.	Students will understand the concept of captivity and animal rights, expressing empathy for the tiger through written or verbal reflections.

				helplessness.							
		Modals	- Identify and use modals appropriately in sentences - Understand degrees of certainty, ability, permission, and obligation expressed by modals	Modals: <i>can, could, may, might, must, shall, should, will, would, ought to</i> - Uses: ability, advice, permission, probability, necessity, obligation	- Create a comic strip or cartoon dialogue using modals - Drama skits showing different modal uses (e.g., asking permission, giving advice)	- Use sentence frames for students needing support (e.g., "You should _____.") - Visual charts showing modal usage with examples - Audio/video aids for pronunciation & context	- Interview friends or family and write down modal-rich sentences - Create a "Modal Tree" showing all types and functions	- Research how modals are used in legal, formal, and casual language - Compare modals in English vs. native language (if applicable)	- Fill-in-the-blanks exercises on screen - Match modal verbs with their functions (drag-and-drop) - Group correction of wrong modal use in example sentences	- Improve sentence construction and clarity - Develop formal and informal communication skills	- Students will be able to choose appropriate modals based on context - Write and speak with increased grammatical accuracy
		Long Walk To Freedom	□ Understand the significance of Nelson Mandela's struggle for freedom. □ Analyse his feelings and the emotional toll of his long journey towards independence. □ Explore themes of struggle, resilience, and unity.	This unit shares Nelson Rolihlahla Mandela's moving description of his inauguration as South Africa's first black President and his thoughts of freedom. The purpose of Mandela's speech was not simply to address the nation as their new president and give gratitude to those who put him there but instead to make a	Group Discussion – Mandela feels that both the oppressor and the oppressed are robbed their humanity and hence both of them must be liberated	Comparing global struggles for freedom and human rights.	Compare the life of Nelson Mandela with Gandhi ji	True liberty is freedom from poverty, deprivation, and all forms of discrimination. Write your views in reference of the chapter.	Interactive timeline creation of Mandela's life events	Discuss the significance of freedom in Nelson Mandela's life. Write a short reflection on what freedom means to each student.	Students will recognize the significance of freedom and equality, and reflect on the journey of a historical figure's fight for justice.

				statement that South Africa was going to make immense changes and unify to show the world what the nation could truly do in order to become a land of hope, freedom, justice and equality for all.							
		FF-3.1. Two stories about Flying His First Flight	- Understand the challenges faced by the protagonist in both stories. - Learn about the spirit of perseverance and overcoming fears. - Explore the importance of taking risks and trusting oneself.	The poet wants to convey that stillness is necessary for reflection and quiet introspection. We can hear the voice of our conscience and thus withdraw ourselves from undesirable actions and contribute to create a society of peace and mutual understanding	Group Discussion on How can you conquer your fear?	encouraging students to share personal experiences of overcoming fear and gaining confidence. Discussing real-life examples of individuals who achieved success despite initial failures.	Script Writing and Role Play on how you your parents motivate you	Parental encouragement and discipline play a great role in shaping the destiny of the young children. Do you agree?	Interactive animation showing the young seagull's journey to flight, followed by a discussion on the importance of courage.	Compare and contrast the two stories about flying. Create a Venn diagram to explore similarities and differences.	Students will compare and contrast different perspectives on flying, understanding the metaphorical significance of freedom and fear.

		FF -3.2: Black Aeroplane		The story revolves around the mystery. The narrator was on his way to England hoping to have a good English breakfast with his family. But he saw great storm clouds ahead of him. There were huge, mountain shaped clouds. The narrator risked entering in the clouds. No sooner had he entered in the clouds everything turned black. He saw another aeroplane without lights on its wings. The pilot waved his hand to the narrator and asked him to follow him. The narrator followed the pilot of another aeroplane as his compass, radio went dead. Even	Share your experiences when you took risk in your life		Do you believe in mystery? Write a short paragraph on It	Define the values that reflect from the action of the pilot of the old Dakota aeroplane when he wanted to thank the pilot of the black aeroplane		Conduct a role-play of the young boy's first flight, highlighting his fears and excitement. Discuss how overcoming fear can lead to personal growth	
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				there was not enough fuel in his tank. With the help of another pilot, he landed safely and when he went to receptionist to thank the pilot he was informed by the lady that there was no any other plane flying in the sky that night							
May	08	3.3 The Ball Poem	☐ Reflect on the theme of loss and the emotional impact it has on an individual. ☐ Analyse how the ball represents innocence and the lessons learned through loss. ☐ Discuss the process of growing up and coming to terms with personal loss.	The Ball Poem' is a very subtle and beautiful poem about a little boy's growing up. The poet sees this little boy one day when he has just lost his ball. The loss of his ball is teaching him that in life, we often lose things and they cannot be easily replaced. Such lessons are a part of growing up, and everyone has to learn them at some point in time or the other.	A portrait of the object or individual whom they were attached to in childhood.	Encouraging students to share personal experiences of loss and how they coped with it. Discussing the emotional impact of losing something valuable and the lessons learned from it.	Have you ever lost something you liked very much? Describing how you felt then, and saying whether — and how — you got over your loss.	-It is very difficult to accept the loss of our near and dear ones in real life, despite knowing the fact that we are mortals and subject to death. Still when someone dies in our society, people approach to console the disheartened heart. Why do you think it is difficult to accept the reality	Animated video illustrating the poem's theme of loss and self-realization, followed by an interactive discussion on how different losses shape human emotions.	Have students reflect on the loss of a personal item and write about the emotional experience, drawing parallels with the poem	Students will explore themes of loss and reflection, developing empathy and emotional intelligence through literary analysis.

				However, it is painful for the poet to watch the boy in his sad state. He is sure that the ball, as well as the person who whistles by the boy, feels the same way as he does.							
		4.1. From the Diary of Anne Frank	☐ Understand Anne Frank's personal struggles and emotional growth during her time in hiding. ☐ Reflect on the impact of war on individuals, particularly children. ☐ Appreciate the value of writing as a form of self-expression and historical documentation.	To activate their prior knowledge about Anne Frank and the Holocaust - To write in formal tone, to be precise and to the point. -To inculcate reading habits and to improve vocabulary - To understand the first person narrative style -sharpen writing and speaking skills -To understand the characters and their role in the novel -To understand elements of humour in the novel -To understand the plot and the	Novel will be briefed to the students to understand the sufferings of the Jews.	Encouraging students to write their own diary entries reflecting on personal challenges.	Debate on corona virus made us experience the most adverse conditions of our life.	Who is your favourite author and why?	Virtual diary-writing simulations to experience historical perspectives.	Students will write a letter to Anne Frank, expressing their thoughts and feelings about her story and experiences	Students will gain insight into the life of Anne Frank, deepening their understanding of history, courage, and the effects of war on individuals.

				theme of the novel -To critically think about identity . this chapter empathize and relate to Anne Frank -To understand the importance of teacher							
		3.2. How to Tell Wild Animals	☐ Understand the humorous tone of the poem. ☐ Identify the different ways wild animals can be recognized. ☐ Explore how the poem plays with the idea of observation and categorization.	This humorous poem tells about the strange habits and behaviors of some wild animals. The poet suggests some dangerous ways to identify wild animals and gives a beautiful description of the Asian Lion and the Bengal Tiger. Then he points out about the Leopard and the Bear. He describes the Hyena for its smiling face and the crocodile for its tears	Video on jungle safari will be shared	Discussing how humor can make learning enjoyable. Students will share funny or creative ways to describe animals and their characteristics.	.Share your experience of jungle Safari(if any)	There are various ways to give lighter touch to scary objects or things. It happens when people try to make them feel comfortable. Recall any incident when your parents tried to present things in a lighter way so as to not to give you stress.	Interactive game where students match animals with their unique traits using visual and audio clues. Animated video of different wild animals displaying their behaviors.	Create a chart listing wild animals and their unique traits. Discuss how animals can be identified based on their characteristics.	Students will identify and describe wild animals, enhancing their observation skills and understanding of animal behaviors.
		The Thief's Story	☐ Analyze the character of the thief and the moral lesson in the story. ☐ Discuss themes of deception, trust, and redemption.	There is a small time thief who befriends a struggling	Few examples of film stories and drama like	Encouraging role-play on trust and moral dilemmas.	Imagine the circumstances that can turn a fifteen year old boy	How can Education change a man's perspective towards life?	Smart board storytelling and interactive quizzes on	Write a diary entry from the perspective of the thief,	Students will understand the theme of redemption and personal growth,

			☐ Reflect on the transformation of the thief through his encounter with the protagonist.	author; in the plans of making a steal. Anil; the struggling author is a good fellow who wants to teach Hari Singh how to read and write. Gradually, Anil develops trust in Hari Singh. But Hari Singh has been waiting for the right moment to make a killing by doing what he is best at. After stealing money from Anil, Hari Singh tries to go away forever. But some inner voice stops him from doing so. He returns to Anil because he wants to live a life of respect. Anil does not show that he knew about the incident and accepts Hari Singh with open arms	Bishop's Candlesticks will be shared to make them understand how trust can reform a person		into a thief?		moral choices.	reflecting on his actions and what he learned.	exploring character development through the thief's transformation
		FPWF 3.The	☐ Analyze the themes of bravery,	This story is	Group	Discussing	How is	The life of	Interactive	Act out a	Students will

		Midnight Visitor	deception, and wit. ☐ Understand the relationship between the characters in the story. ☐ Discuss how the plot is driven by suspense and unexpected twists.	about a detective who defies the stereotype; as we know from novels and movies. Ausable is a fat man with short height and thick accent. A young writer goes to meet him to get some inspiration for his next story or novel. But as Ausable says; the young writer must be highly disappointed to see an unassuming person as a detective. However, when they reach Ausable's room and intruder is already present in the room. Ausable uses his quick wit and makes a story of a nonexistent balcony and policemen. The fear of police makes the intruder	discussion on Do you think it is very important to present ourselves in an impressive way, according to our profession ? In what way, it is effective?	the importance of intelligence over physical strength. Students will share real-life examples where wit and presence of mind helped in difficult situations.	Ausable different from other secret agents?	detectives the importance of secrecy.	role-play on a smart board where students analyze Ausable's tactics and suggest alternative ways to handle the situation. A digital quiz on famous spies and detectives in literature and films.	scene from the story, focusing on character motivations and the suspense in the plot.	develop critical thinking and analytical skills by exploring character motives and the element of surprise in the story.
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				jump out of the window; only to crash at the ground							
June	14	FF-4.2.Amanda	☐ Reflect on the theme of adolescence and the desire for freedom. ☐ Understand the conflict between the daughter's desires and her mother's concerns. ☐ Analyze the poem's portrayal of a teenager's wish for escape and independence.	This poem depicts the state of a little girl's mind who is constantly instructed about do's and don'ts by her elders. She is told not to hunch her shoulders and to sit up straight. She is told to finish her homework and tidy her room. She is forbidden from eating a chocolate that she has. But all the time, the little girl Amanda keeps dreaming of a life of freedom in the open. She dreams of mermaids in the sea, of roaming barefoot in the dusty street and of the golden haired Rapunzel who lived alone in a high tower.	Group Discussion - Do you know the story of Rapunzel? Do you wish to be like her? Why?.	Discussing teenage struggles and personal space. Encouraging students to share their experiences with parental expectations and how they express their individuality.	Write down some of the things you want to do, but your parents/elders do not allow you to. How do you react when your freedom is curtailed?.	The real meaning of freedom.	Creating a digital comic strip where students illustrate Amanda's imagined escapes. Interactive analysis of the poem's tone and themes using a smart board.	Discuss the pressures faced by Amanda and how they affect her actions. Have students create a poem about personal freedom.	Students will understand the pressures of societal expectations, exploring themes of freedom and personal growth through character analysis.

				She takes no note of what is being said to her. Then she is rebuked for being moody and sulking all the time.							
		Subject- verb concord	- Understand and apply rules of subject-verb agreement - Identify and correct errors in sentences - Improve grammatical accuracy in writing and speech	- Subject, verb, agreement - Singular vs. plural subjects - Rules for special cases: collective nouns, indefinite pronouns, compound subjects, either/neither, etc.	- Create a grammar poster with “Do’s and Don’ts” for subject-verb agreement - Role-play or skit with intentional subject-verb errors for class to correct	- Use color-coded visuals to show subject-verb pairing - Provide extra practice for ELLs and special learners using sentence scaffolding - Use rhythm-based learning or songs	Group editing activity: correct a story full of subject-verb mistakes	- Find common errors in newspapers or blogs related to subject-verb concord - Analyze how social media/texting often breaks these rules and its impact	- Interactive sorting: singular vs plural verbs - Correct-the-sentence games - Error spotting on screen with team competitions	- Develop accurate sentence construction skills - Strengthen proofreading and editing abilities	- Students will correctly apply subject-verb agreement in writing and speaking - They will confidently identify and correct grammar mistakes
		Grammar Reported Speech		Students will understand the way of reporting a particular sentence and learn the difference between direct and indirect sentences.	Go through newspaper's reports	NA	Practice exercise of each writing skill will be given			Have students practice converting direct speech into reported speech through role-plays or dialogues.	Students will enhance their grammatical skills by converting direct speech into reported speech, demonstrating accurate understanding of language structures.
		4.A Question of Trust	☐ Discuss the importance of trust in relationships. ☐ Reflect on how betrayal can affect trust and personal integrity.	The story is about a thief who gets a taste of his own medicine.	Is it right to commit a crime in order to fulfil one's	Discussing the importance of honesty and trust in	Writing Viewpoints - Thief is not the one who steals, but the	Analyse why trust should not be broken	Interactive storytelling where students predict	Create a skit where one character betrays another's	Students will analyze the moral lessons of trust and betrayal, and

			☐ Analyze the moral lesson that emphasizes the value of honesty.	... During his burglary attempt at a big house, he gathers all the necessary information and enters the house for stealing from the safe. He is cheated by a lady thief, who claims herself to be the owner of the house.	hobby? Discuss.	relationships. Encouraging students to share real-life incidents where trust was broken or regained	one that is caught. What do you understand by this proverb?		alternative endings. Digital role-play where students analyze the thief's choices and discuss moral dilemmas.	trust and explore how it affects their relationship	understand how these themes shape human relationships.
		5. FPWF Footprints Without Feet	☐ Analyze the themes of mystery and adventure. ☐ Reflect on the possibilities of invisible creatures and their role in the story. ☐ Discuss the importance of imagination and the way it shapes our understanding of the world.	The chapter is about a lone researcher, Griffin, whose discovery of invisibility alienates him from other people. He goes from scientist to fanatic when he begins to focus all of his attention merely on the concept of invisibility and neglects to think about the consequences. He was not liked by his landlord. He decided to take revenge on him.	Group Discussion on use and misuse of technology	Discussing the ethical implications of scientific discoveries. Encouraging students to reflect on how technology can be used for both good and bad purposes.	How would you assess Griffin as a scientist and a human being?	Express your views _ Science is a good servant but a bad master	Virtual simulation showing how invisibility might work in fiction versus reality. Interactive discussion on famous invisible characters in literature and films.	Discuss the theme of mystery in the story. Have students imagine they discovered invisible footprints and write a story about what happened next.	Students will engage with the theme of mystery, using critical thinking to understand the science behind the story and its fictional elements.

		FF- 7. Glimpses of India	□ Explore the diversity of India's cultural heritage through different regions. □ Understand the significance of traditional food, festivals, and the unity in diversity of India. □ Reflect on the beauty and richness of Indian life as seen through the lens of different experiences.	This lesson is a pen portrait of a traditional Goan village baker who still has an important place in the society. What changes take place in the life of the baker with the passage of time a glimpse is presented in this extract. Goa is a place which has the varied culture of French, English and Portuguese. Here in this lesson the description of a village hacker reminds us of the old Portuguese days	A Video will be shown on 'Bakers of Goa'	Encouraging students to share personal experiences or research about different states of India, their culture, and traditions. Discussing the importance of cultural heritage and diversity.	Write on Which place do you like to visit and why?	Think on the importance of memories.	Virtual tour of famous locations from the three stories (Goa, Coorg, Assam). Interactive map activity where students match Indian states with their famous cultural elements.	Prepare a presentation about an aspect of India's culture, such as food, festivals, or landscapes, based on the story	Students will explore the cultural diversity of India, gaining an appreciation for its history, traditions, and landscape
		The Trees	□ Interpret the symbolic meaning of trees in the poem. □ Understand the poet's reflection on nature's role in sustaining life. □ Analyze how the poet contrasts nature's strength with human struggle.	The poem —Trees by Adrienne Rich is a symbolic poem which tells about the plants who want to escape the walls of the house and want to move in the forest. The trees are the symbolic representation	Group discussion on Can there be a forest without trees? Imagine. If yes, how it will be?	Discussing the symbolic meaning of trees in the poem and real-life environmental issues. Encouraging students to reflect on deforestation and the importance of nature	Write a paragraph about the conflict between human and nature studied in ch-1 'A Letter to God'	Read the poem 'On Killing a Tree' by Gieve Patel (Beehive – Textbook in English for Class IX, NCERT). Compare and contrast it with the poem you have just read.	Virtual simulation showing the effects of deforestation versus afforestation. Interactive poem analysis where students highlight metaphors and imagery	Create a collage of different trees. Have students explain how trees impact the environment and life on Earth.	Students will understand the importance of trees in the environment and express this knowledge through creative projects and discussions.

				of being women who want to move out of the enclosed walls of the society and escape in the world of freedom. The poet objectively describes the escape of the plant to its new environment		conservation			using a smart board.		
July	26	FPWF The Making of a Scientist	☐ Explore the process of learning and discovery in science. ☐ Understand the importance of curiosity, persistence, and experimentation. ☐ Analyze the story's portrayal of the transformation of a simple boy into a scientist.	This article is an account of a curious child channelizing his curiosity to become a scientist. Ebright was a highly curious child since his childhood. His mother; his only companion during childhood; helped in further deepening his curiosity. Ebright began his journey by collecting butterflies. After that, he worked on tagging the monarch butterflies so that the scientists'	A Video will be shown in order to give insight in to the scientific approach and DNA details.	Encouraging students to explore their curiosity and passion for learning. Discussing how perseverance and dedication lead to success in scientific fields.	Group discussion on Richard Ebright's work in the light of what you have studied.	Collect information on Working of DNA	Virtual timeline of Richard Ebright's journey from a curious child to a scientist. Interactive quiz on famous scientists and their discoveries.	Interview a scientist (real or fictionalized) and write a report about how curiosity and persistence lead to scientific discoveries.	Students will appreciate the importance of curiosity and perseverance in scientific discovery, gaining insight into the life of a great scientist.

				community could be benefited.							
		FPWF 7. The Necklace	☐ Reflect on the themes of vanity, materialism, and the consequences of greed. ☐ Analyze the irony in the story and the character development of Madame Loisel. ☐ Discuss the importance of contentment and accepting one's circumstances.	The main theme of 'The Necklace' is Class Conflict as Madame Loisel, a member of lower class strives to appear to be in a higher class than she actually is, which causes conflict, but it also hints at another theme of appearance and reality. However her desire to attain the goal leads to a display of generosity on the part of Madame Forestier as she loans a very expensive necklace which she loses and is forced to give up her own goals in her life to repay for the lost necklace.	Group discussion Honesty is the best policy. Explain with reference to the chapter	Discussing the theme of materialism and its impact on people's lives. Encouraging students to reflect on the difference between appearance and reality in today's world.	Over ambition/showism results in frustration and destruction. Express your views	Make a List of ambitions that you want to fulfill	Interactive decision-making activity where students explore different life choices and their consequences. Digital character analysis of Madame Loisel and her transformation.	Discuss the theme of appearance versus reality. Students can write a letter of advice to Madame Loisel on how to value what she has.	Students will develop an understanding of the themes of materialism and deception, and reflect on the consequences of one's actions.
		Analytical paragraph	Interpret and analyze visual data (charts, graphs, tables, etc.) - Structure an analytical paragraph with clarity and coherence - Use formal, concise language to	- Analysis, interpretation, trend, inference, evidence	- Create an infographic or chart and then write an	- Use templates and sample answers for support	- Students collect real data (e.g., survey classmates or	- Research national-level data (literacy rates, pollution levels, population	- Display a chart; students collaborate to write the	- Build critical thinking, interpretation, and	- Students can write a well-structured analytical paragraph using

			convey key trends and insights	- Introduction, body, conclusion structure - Vocabulary: increase, decrease, sharp, gradual, fluctuate, stable, etc.	analytical paragraph based on it - Visual storytelling using bar or pie charts drawn by students	- Provide sentence starters and transition word banks - Group discussions to brainstorm observations	track weather for a week), create charts, and write analytical paragraphs - Peer feedback sessions	growth) and analyze it - Compare historical vs current data on a topic	paragraph live - Drag-and-drop activity to structure an analytical paragraph from jumbled sentences	structured writing skills - Practice real-life data communication	formal language and appropriate vocabulary - Students interpret data accurately and concisely
		FF-Mijbil the Otter	☐ Explore the human-animal bond and the narrator's affection for the otter. ☐ Understand the role of animals in enriching human lives. ☐ Reflect on the theme of companionship and the challenges of caring for a pet.	The lesson revolves around the otter Mijbil and his master; the author himself, the meeting of the two, how it grows into a bond of love and their eventful journey from Bsara in Iraq to London and then the encounter of the otter with the other humans including children and elders and their different interpretations of the animal.	Introductory video will be shown	Discussing the human-animal bond and the responsibilities of pet ownership. Encouraging students to share experiences with animals and reflect on the importance of wildlife conservation.	Discussion about Bruno in their previous class IX lesson 'The Bond of Love' relating to this lesson.	What guesses did the Londoners make about what Mijbil was?	Virtual exploration of otters and their natural habitat. Interactive activity where students create a digital pet-care guide based on Mijbil's behavior in the story	☐ Write a letter to the narrator as Mijbil, explaining his feelings about life with the narrator. Discuss the theme of companionship. ☐	Students will explore themes of companionship and empathy, deepening their understanding of human-animal relationships through creative expression.
		Fog	☐ Interpret the symbolic representation of fog in the poem. ☐ Understand the poem's simplicity and how the poet uses it to evoke imagery and mood. ☐ Analyze the poet's use of metaphors to describe fog's movement and presence.	In this poem the poet, Carl Sandburg has portrayed the nature and its silent working. The poet tells that	A video on science behind Fog.	Discussing how nature can be used as a metaphor for different aspects of life.	Discussion on different types of poem (sonnet, ballad, parable, Acrostic) and specifically detailing about	Compose a Haiku of your own and share	Animated visualization of the poem to highlight its imagery. Interactive discussion on different	Describe the weather in a place near you using metaphors like in the poem. Discuss how	Students will use metaphors and descriptive language to convey the atmospheric effects of weather,

				the fog comes silently and slowly like a cat. When it comes it does not disturb us. It sits silently as a cat does. It goes on falling and looking silently over harbour and city.		Encouraging students to interpret the poem in their own way and relate it to personal experiences.	_Haiku		poetic devices used in the poem, such as metaphor and personification.	weather impacts human emotions	improving their poetic writing skills.
		Madam Rides the Bus	☐ Understand the themes of independence and self-discovery. ☐ Analyze the character of the young girl and her brave journey into the unknown. ☐ Reflect on societal attitudes toward children and the elderly.	This is a sensitive story of an eighty-year-old girl's first bus journey into the world outside her village. The girl Valli, at a very tender age, tries to understand the mystery of life and death. The outside world for Valli is charming and fascinating but mysterious. She longs to experience it by herself.	discussion about a journey that was unforgettable in some way? What made it memorable?	Discussing themes of independence and curiosity. Encouraging students to share experiences of their first solo journey and how it changed their perspective.	· How do you consider the behaviour of a person, who behaves in a more matured way than their age? Will you appreciate their behaviour or will you comment on them? relate this to the poem?	are you concerned about traffic and road safety? What are your concerns? How would you make road travel safer and more enjoyable?	Virtual bus journey simulation where students make choices about travel and safety. Interactive character analysis of Valli's adventurous spirit using a smart board.	Have students write a letter from the perspective of the protagonist, Valli, expressing her thoughts and experiences.	Students will understand themes of independence and curiosity, analyzing the protagonist's actions and the lessons she learns.
		DETERMINERS	- Understand the types and functions of determiners - Identify and correctly use determiners in various contexts - Enhance sentence construction skills	- Types: Articles (a, an, the), Demonstratives (this, that), Quantifiers (some, many), Possessives	- Create a colorful "Determiner Tree" showing different types - Illustrate	- Use visual aids and sentence-building blocks - Provide matching games and	- Find and categorize determiners in a newspaper or book passage - Compare determiner use in English vs	- Interactive grammar games (like Quizziz, Kahoot) - Watch animated YouTube lessons or grammar rap videos	- Sorting activity: Match determiners to types - Correct-the-sentence challenge	- Build grammar fluency and comprehension - Improve communication accuracy	- Students will accurately use different types of determiners in context - Recognize and correct common determiner errors

				(my, your), Distributives (each, every) - Placement of determiners - Difference between determiners and adjectives	examples with drawings (e.g., “this cat,” “many birds”) - Role- play shopping scenario using determiner s	fill-in-the- blanks with picture prompts - Allow verbal responses for students with writing difficulties	native language	- Use Google Slides for drag- and-drop exercise	(find and fix wrong determiners) - Sentence completion games	in both speech and writing	
Aug	22	9.2 The Tale of Custard the Dragon	- Analyze the poem’s humor and the way it uses contrasting personalities. - Discuss the themes of bravery and fear, and how they are portrayed in the story. - Reflect on the role of each character in the narrative and how they contribute to the poem’s moral.	The Tale of Custard the Dragon is a ballad about a girl named Belinda and her pets- a black kitten, a grey mouse, a yellow dog and a dragon named Ink, Blink, Mustard and Custard respectively. All her pets praised their bravery expect Custard the Dragon who always cried for the safe cage. But when a pirate entered their little house who were boasting fled except the real and true dragon. He	Never judge a book by its cover. What do you understand by this?	Discussing the theme of bravery versus appearance. Encouraging students to reflect on moments when they showed courage despite others' expectations.	Have you ever help anybody at the time of need?	The Tale of Custard the Dragon‘ is a ballad. What message does the poet want to give through the poem?	Animated storytelling of the poem with interactive discussions on character traits. Students create a new verse for the poem where Custard faces another challenge.	Students will create a new verse for the poem where Custard shows courage. Discuss how fear and bravery are portrayed in the poem.	Students will explore the theme of courage and the contrast between appearances and true bravery, developing an appreciation for humor in literature.

				bravely fought with the pirate and gobbled him. Thus instead of boasting, we should do something worth valuable							
		10.1.The Sermon at Benares	Understand the teachings of Lord Buddha and their relevance to human life. Reflect on the importance of right conduct, peace, and harmony in society. Analyze how the sermon emphasizes self-awareness and self-control.	The journey of Goutam Buddha from prince hood to his saintly life. He left the palace at the age of 25, after seeing the sufferings of the world, to seek enlightenment . He wandered for seven years, here and there, and under a peepal tree at Bodhgaya he got it. His first sermon was delivered at Benaras as it was considered to be the holiest place because of the river Ganga. He thought that he who seeks peace should draw out the arrow of lamentation, complaint and	One should be practical to accept the truth of life. Discuss	Discussing the teachings of Lord Buddha and their relevance in modern life. Encouraging students to share personal experiences where they learned to accept loss or hardship.	Do you think Buddha's ideas and way of teaching continue to hold meaning for us? Or have we found better ways to deal with grief? Discuss this in groups or in class.	Grief is an emotion natural to all types of loss or significant change. How one experiences the feeling of grief?	Interactive timeline of Buddha's life and teachings. Digital mind map activity where students connect Buddha's teachings to real-life situations.	Discuss the moral teachings in the story. Have students write a reflection on a lesson they've learned in life that aligns with the sermon.	Students will gain an understanding of spiritual teachings, reflecting on the moral lessons of selflessness, compassion, and the pursuit of enlightenment

				grief. He who has overcome all will be free from sorrow and be blessed.							
		11. The Proposal	Analyze the comedic elements in the play and the conflict between characters. Discuss the themes of marriage, societal norms, and individual desires. Explore the use of humor to address serious themes like family expectations and relationships.	• Managing Conflicts • Anger management • Need to control the usage of language • Trust • Faith • Understanding Behaviour • Forgiveness	Discussion on Are there any benefits from anger?	Discussing the use of humor in everyday conflicts. Encouraging students to reflect on real-life misunderstandings and how effective communication can resolve them.	Suggest some ways to avoid losing your temper in such situation	Can you think of three ill effects that result from anger	Digital role-play where students act out different endings to the play. Interactive discussion on cultural differences in marriage customs and family expectations.	Act out a scene from the play. Discuss the concept of marriage proposals in different cultures.	Students will analyze themes of love, social status, and communication in relationships, improving their skills in dialogue interpretation and dramatic analysis.
		Tenses	- Understand the three main tenses: Present, Past, and Future - Recognize and use their forms in positive, negative, and interrogative sentences - Learn to express actions with the correct tense based on time and context	- Present Tense: Simple Present, Present Continuous, Present Perfect, Present Perfect Continuous - Past Tense: Simple Past, Past Continuous, Past Perfect, Past Perfect Continuous - Future Tense: Simple Future, Future	- Draw a Timeline with examples of different tenses - Create a visual representation of a story or event using different tenses - Write a short story or poem using	- Use color-coded tenses for clarity - Provide sentence starters for ELLs - Show visual aids for tense usage and timelines - Scaffold activities by starting with Simple Tenses before moving to Complex	- Write short stories or dialogues using different tenses - Conduct role-plays where students describe past events, present situations, and future plans - Group work to create a "Tense Chart" with real-life examples	- Use interactive grammar apps and websites like Grammarly, Quizziz, or Quizlet for tense practice - Watch YouTube tutorials and lessons on tenses - Write and share sentences on Google Docs, allowing for peer correction	- Timeline creation with the class, showing examples of different tenses - Fill-in-the-blank exercises on the board for different tenses - Team-based quiz on	- Develop the ability to choose and use the correct tense based on context - Improve accuracy in both written and spoken communication	- Students will confidently identify and use the correct tense in sentences - Students will understand the nuances between the different tense forms and their usage

				Continuous, Future Perfect, Future Perfect Continuous	various tenses	ones			tense identification and correction		
		FPWF 9. Bholi	Students will analyze the character development of Bholi, understanding how self-esteem and confidence influence personal growth and relationships.	• Compassion • Confidence • Care and concern for girls • Empathy • Gender equality • Willingness to help others	TV serial 'Balika Vadhu' will be discussed. (Girl Education) Film 'Dangal' will be discussed. (Gender inequality)	Discussing gender equality and the importance of education in empowering individuals. Encouraging students to share stories of people who overcame societal challenges through education and self-confidence	draw a character sketch of Bholi in your own words, highlighting her transformation from a harmless dumb cow to a fearless and independent girl.	You noticed your younger brother mimicking his friend (who limps) and making fun of him. Is it justifiable on his part to do such act	Digital character transformation analysis showing Bholi's journey from a timid girl to a confident woman. Interactive discussion on the role of education in changing lives	Discuss how Bholi's character evolves throughout the story. Have students role-play different situations where Bholi gains confidence.	Students will analyze the character development of Bholi, understanding how self-esteem and confidence influence personal growth and relationships.
Sep	05	FF- 10.2 For Anne Gregory	Students will explore themes of inner beauty and self-worth, reflecting on how personal qualities define one's true value over physical appearance	• Appreciation • Respect • Beauty of thought • Purity of Soul • Acceptance • Accept Challenges • Courage to face the reality	Group discussion on is it possible to love someone alone?	NA	Write about your love for a friend, or brother or sister	Do you think that the love felt for someone's physical appearance is not pure and true? Write your answer reflecting on the poem		Discuss the theme of inner beauty versus outer beauty. Have students write about a person they admire for their character.	Students will explore themes of inner beauty and self-worth, reflecting on how personal qualities define one's true value over physical appearance.

		9. The Book That Saved the Earth.	Students will appreciate the role of literature in preserving knowledge and exploring creative ways to engage with texts that inspire change	A historian in the museum is telling the story about 20th century; the century of the books. He tells how a book saved the earth from Martian invasion. The invaders from Mars consider themselves too intelligent for the earthlings. They think they are superior race than the inhabitants of the earth.	Role play	Discussing the power of books and knowledge in shaping societies. Encouraging students to share examples of books that have inspired or influenced them	When a friend, loved one, or co worker is experiencing grief—how can we help?	In what ways does Think-Tank misinterpret innocent nursery rhymes as threats to the Martians? Can you think of any incidents where you misinterpreted a word or an action? How did you resolve the misunderstanding?	Interactive storytelling where students create their own version of a book that could "save the world." Digital discussion on how literature can influence history and culture.	Discuss the importance of books in preserving knowledge. Students will create a short story about a book that saves the world.	Students will appreciate the role of literature in preserving knowledge and exploring creative ways to engage with texts that inspire change.
Oct	13	REVISION									
Nov	22	PRE-BOARD									
Dec	23										
Jan	16										
Feb											
March											

विषय :हिंदी

पाठ्य-पुस्तक : 1. क्षितिज भाग-2

2. कृतिका भाग-2

3. व्याकरण निधि

महीना	कार्य दिवस	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
अप्रैल	24	क्षितिज—(गद्य खंड)— नेताजी का चश्मा (काव्य खंड)— सूरदास के पद	देशभक्ति की भावना का विकास	जून सामान्य के विचार का देश के साथ परस्पर संबंध	नेताजी का चित्र बनाना	देशकाल की परिस्थिति का ज्ञान	कहानी का नाट्य रूपांतरण	स्वतंत्रता सेनानियों के नामों का संकलन	वीडियो	देश के प्रति प्रेम रखना	देशभक्ति का भाव

		काव्य खंड)– सूरदास के पद	भक्तिकाल का ज्ञान	सगुण भक्ति का भाव	सूरदास का चित्र बनाकर उनकी जीवनी लिखना	हिंदी साहित्य का काल विभाजन	सूरदास का चित्र बनाना	भक्तिकाल के अन्य रचनाओं का ज्ञान	वीडियो	भक्तिकाल का ज्ञान	सगुण भक्ति का ज्ञान
		व्याकरण–वाक्य एवं रचना के विचार से उसके भेद एवं अपठित गद्यांश	वाक्य एवं उसके प्रकारों का ज्ञान	वाक्यों के बीच परस्पर संबंध	वाक्य विचार	वाक्य का ज्ञान	वाक्य परिवर्तन का अभ्यास	वाक्य रचना व परिवर्तन	टाटा क्लासेस के माध्यम से	वाक्य पहचान, रचना व परिवर्तन	व्याकरण बोध
		कृतिका–माता का अंचल	ग्रामीण परिवेश से परिचय	ग्रामीण परिवेश में जन सामान्य का व्यवहार	ग्राम्य परिवेश का चित्र बनाना	ग्रामीण परिवेश की स्थितियाँ	ग्रामीण परिवेश का चित्रण	1930, के दशक का ग्राम्य परिवेश की तुलना	टाटा क्लासेस	वर्तमान समय में बच्चों के खेल–खिलौने व परिवेश	ग्राम्य संस्कृति
मई	08	अपठित काव्यांश, अनुच्छेद लेखन व ई–मेल 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
		पद–परिचय,	व्याकरण बोध	पदों का परिचय	चित्र द्वारा पदों का विवरण	पदों का परिचय	चित्र द्वारा	पदों का परिचय	टाटा क्लासेस	विभिन्न पदों का परिचय	पदों का ज्ञान
जून	14	क्षितिज–(गद्य खंड)– बालगोबिन भगत (काव्य खंड)– आत्मकथ्य।	व्यक्तित्व परिचय	रूढ़िवादी विचारों का खंडन	ग्रामीण परिवेश के गीतों का ज्ञान	मानवीय मूल्यों का विकास	ग्रामीण परिवेश का चित्रण	रूढ़िवादी विचारों का खंडन	टाटा क्लासेस	कबीरपंथी विचार आधारित जीवन	निर्गुण विचारों का व्यावहारिक प्रयोग
		व्याकरण– वाच्य एवं उसके प्रकार,	दिखावा रहित जीवन	परिस्थितियों का जीवन पर प्रभाव	कविता का सस्वर पाठ	परिस्थितियों से प्रभावित जीवन	जयशंकर प्रसाद का चित्र सहित जीवनी	छायावाद व उसके अन्य कवियों के विचार	टाटा क्लासेस	मानव जीवन की परिस्थितियाँ	मानवीय मूल्यों का ज्ञान
जुलाई		क्षितिज–(गद्य खंड)– लखनवी अंदाज लेखन–स्ववृत्त लेखन,।	औपनिवेशिक मानसिकता का ढोंग	सामंती विचारों का वर्णन	स्ववृत्त लेखन का प्रारूप बनाना	औपनिवेशिक सामंती विचारों का ज्ञान	स्ववृत्त लेखन करना	वैचारिक तर्क शक्ति विकसित करना	स्मार्ट बोर्ड	कथा–लेखन का ज्ञान	दिखावा ओछी प्रवृत्ति की पहचान
	26	(काव्य खंड)– उत्साह एवं अट नहीं रही है।	क्रांति हेतु उत्साह का होना जरूरी	ब्रिटिश कालीन परिस्थितियाँ	बादलों का चित्र सहित वर्णन	परिवर्तन हेतु क्रांति जरूरी	बादलों का चित्र सहित वर्णन करें	फागुन महीने का प्राकृतिक सौंदर्य	स्मार्ट बोर्ड	सस्वर काव्य पाठ	उत्साह परिवर्तन हेतु आवश्यक
		कृतिका–साना–साना हाथ जोड़ि.	सामान्य जन का देश के विकास में योगदान	पर्वतीय क्षेत्रों में मानवीय कार्य	पर्वतीय क्षेत्रों का चित्रण	परिस्थितियों पर विजय	प्राकृतिक चित्रण	पर्वतीय क्षेत्रों में जीवन शैली	स्मार्ट क्लासेस	यात्रा–वृत्तांत का ज्ञान	यात्रा–वृत्तांत का ज्ञान
		कृतिका–साना–साना हाथ जोड़ि. व पत्र–लेखन	सामान्य जन का देश के विकास में योगदान	पर्वतीय क्षेत्रों में मानवीय कार्य	पर्वतीय क्षेत्रों का चित्रण	परिस्थितियों पर विजय	प्राकृतिक चित्रण	पर्वतीय क्षेत्रों में जीवन शैली	स्मार्ट क्लासेस	यात्रा–वृत्तांत का ज्ञान	यात्रा–वृत्तांत का ज्ञान
अगस्त	22	क्षितिज–(काव्य खंड)– दंतुरित मुस्कान एवं फसल।	शिशु के दंतुरित मुस्कान की नैसर्गिकता का बोध	शिशु के दंतुरित मुस्कान का प्रभाव	शिशु को गोद में लिए हुए माँ का चित्र सहित वर्णन	फसल के प्राकृतिक स्वरूप	शिशु को गोद में लिए हुए माँ का चित्र बनाना	शिशु के दंतुरित मुस्कान का माध्यम	स्मार्ट क्लासेस	दंतुरित मुस्कान का विश्लेषण	दंतुरित मुस्कान का महत्व

		कृतिका—आखिरकार मैं क्यों लिखता हूँ।	लेखन कार्य की परिस्थितियाँ	परिवेश का चिंतन पर प्रभाव	विश्लेषण व चिंतन	देशकाल व चिंतन	चिंतन और लेखन	चिंतन और लेखन	स्मार्ट बोर्ड	परिस्थितियों का प्रभाव	लेखन की विवशता
		व्याकरण—शब्दालंकार—उपमा एवं उत्प्रेक्षा अर्थालंकार—अतिशयोक्ति, रूपक एवं मानवीकरण	व्याकरण बोध	अलंकारों का परिचय	चित्र द्वारा अलंकारों का विवरण	अलंकारों का परिचय	चित्र द्वारा अलंकारों के भेदों का प्रदर्शन	अलंकारों के भेदों का परिचय	टाटा क्लासेस	विभिन्न अलंकारों का परिचय	अलंकारों का ज्ञान
		क्षितिज—(गद्य खंड)—एक कहानी यह भी	बचपन की परिस्थितियों का जीवन पर प्रभाव	पारिवारिक परिवेश : विचारों की जननी	विभिन्न परिस्थितियों का प्रभाव	परिवेश से विचारों का विकास	अपने जीवन की किसी घटना का	पारिवारिक परिवेश : विचारों की जननी	टाटा क्लासेस	योग्यता विस्तार की पृष्ठभूमि	आत्मविश्वास का विकास
सितंबर	05	विज्ञापन एवं संदेश लेखन।	लेखन बोध	विज्ञापन एवं संदेश का परिचय	चित्र द्वारा विज्ञापन एवं संदेश का विवरण	विज्ञापन एवं संदेश का परिचय	चित्र द्वारा विज्ञापन एवं संदेश का प्रदर्शन वर्णन	विज्ञापन एवं संदेश का परिचय	स्मार्ट बोर्ड	विभिन्न विज्ञापन एवं संदेश का परिचय	विज्ञापन एवं संदेश का ज्ञान
अक्टूबर	13	(काव्य खंड)—राम—लक्ष्मण—परशुराम संवाद।	साहस और विनम्रता का महत्व	व्यवहारों की भिन्नता	कविता का नाट्य मंचन	परिस्थिति के अनुसार विचार विश्लेषण	तुलसीदास का चित्र सहित जीवन परिचय	धनुष यज्ञ का वर्णन	स्मार्ट बोर्ड	चौपाई, दोहों का सस्वर पाठ बोध	भक्तिकालीन काव्य शैली का ज्ञान
		(गद्य खंड)—नौबतखाने में इबादत	अभ्यास का महत्व	जीवन का उद्देश्य	शहनाई का चित्र सहित वर्णन	बिस्मिल्ला खाँ और शहनाई	बिस्मिल्ला खाँ परिचय	शहनाई और डुमराँव	स्मार्ट बोर्ड	सफल व्यक्तित्व	जीवन में अभ्यास का महत्व
		(गद्य खंड)—संस्कृति, (काव्य खंड)—संगतकार	संस्कृति : एक विचारधारा	संगतकार हमारी आवश्यकता	आग व सूई का चित्र द्वारा वर्णन	संगतकार का महत्व	उन क्षेत्रों का वर्णन जहाँ संगतकार की जरूरत है	संस्कृति और सभ्यता का स्वरूप	स्मार्ट बोर्ड	संस्कृति और सभ्यता का स्वरूप	संगतकार की मनुष्यता का बोध

वषयः : संस्कृतम्

पुस्तकानि : निर्धारितपुस्तकानि ----

पाठ्यपुस्तकम् म णका द्वितीयो भागः (रापरि .प्र .अनु .शै ..)

व्याकरणपुस्तकम् व्याकरणवी थः (रापरि .प्र .अनु .शै ..)

अभ्यासपुस्तकानि अभ्यासवान् भव (रापरि .प्र .अनु .शै ..)

सहायकपुस्तकानि 1. प्रायो गकसंस्कृतव्याकरणम् द्वितीयो भागः परमानन्द गुप्त .डा -

2. सरस्वती म णका संस्कृतव्याकरणम् द्वितीयो भागः हरिओऽम् शास्त्री

3 संस्कृतसहचर आचार्य राधामोहन उपाध्याय -, श्री घनश्याम पाण्डेय

मासः	W. D	अध्यायः/ उप वषयः	शिक्षण उद्देश्यानि	मुख्यपदानि अवधारणा च /	कला एकीकरण म्	समावेशी शिक्षणम्	प्रकल्पम् / व्यावहारिक	अनुसंधानम् कार्यम् म श्रतम् शिक्षणम्	पटु बोर्ड गति व धः	दक्षता आधारित गति व ध शिक्षणम्	शिक्षणपरि णामः
अप्रैल	24	म णकातः प्रथमः पाठः - वाङ्मयं तपः	सद्व्यवहारस्य महत्त्वम्	व्यवहारिकज्ञानम्	पाठस्य अभ्यासकार्यम्	लयबद्धसंगीत शक्षक माध्यमेन	लयबद्धसंगीत शक्षकमाध्यमेन	श्लोकाधारेण अन्यश्लोकनिर्माणम्	पुस्तकदृश्यश्रव्यमाध्यमयोः	व्यवहारं कथं कर्तव्यम्	पाठस्य ज्ञानम् अभ्यासकार्यस्य लेखनम् च।
		द्वितीयः पाठः - नास्ति त्यागसमं सुखम्	त्यागस्य महत्त्वम्	व्यवहारिकज्ञानम्	महाराज श वः वषये जानार्जनम्	अन्यकथामाध्यमेन शिक्षा	अन्यकथामाध्यमेन शिक्षा	अन्यत्यागी राजानं प्रति जानार्जनम्	पुस्तकदृश्यश्रव्यमाध्यमयोः	त्यागभावना	पाठस्य ज्ञानम् अभ्यासकार्यस्य लेखनम् च।
		व्याकरणे- समासाः अव्ययीभावः	अव्ययीभावस्य मासस्य प्रयोगः	शब्द परिचयः लेखनम् पदपरिचयः च	वभ कज्ञानम्	हिन्दी शक्षकसहायतया	पुस्तकदृश्यश्रव्यमाध्यमयोः	विभक्तिप्रयोगः	पुस्तकदृश्यश्रव्यमाध्यमयोः	वभ कज्ञानम्	भाषाशुद्धता
		वाच्यपरिवर्तनम् (केवलं लट्लकारे)	वाच्यपरिवर्तनम्	शब्द परिचयः लेखनम् पदपरिचयः च	वाच्यपरिचयः	हिन्दी शक्षकसहायतया	-	वाच्यपरिचयः	वाच्यपरिवर्तनम्	व्याकरणज्ञानम्, वाक्यनिर्माणं च	भाषाशुद्धता
		समयलेखनम्	समयज्ञानम्	शब्द परिचयः लेखनम् पदपरिचयः च	घटिकया समयज्ञानम्	ग णत शक्षकसहायतया	ग णत शक्षकसहायतया	समयलेखनम्	समयपरिचयः	व्याकरणज्ञानम्, वाक्यनिर्माणं च	भाषाशुद्धता
		अनुवादकार्यम्, अपठितगद्यान्शः,	लेखनकौशलस्य विकासः	शब्द परिचयः लेखनम् पदपरिचयः च	बौद्धिक विकासः	-----	-----	व्याकरणज्ञानम्, वाक्यनिर्माणं च।	अनुवादकार्यम्	भाषाशुद्धता, वाक्यनिर्माणं अनुवादकार्यं च।	भाषाशुद्धता

		चत्रवर्णनम्, संवादलेखनम्									
मई	08	म णकातः- तृतीयः पाठः- रमणीया हि एषा सृष्टिः	प्रकृतिः प्रेमः	व्यवहारिकज्ञानम्	अस्मा भः सर्वैः जीवैः सह स्नेहं कर्तव्यम्	छात्रान् क्रीडाक्षेत्रे नीत्वा प्रकृत्या सह मेलम्	छात्रान् क्रीडाक्षेत्रे नीत्वा प्रकृत्या सह मेलम्	गद्यपद्यात्मक व धना अनुवादकार्यम्	दृश्यश्रव्यहरितफलक माध्यमेन	प्रकृतिः प्रेमः	पाठस्य ज्ञानम् अभ्यासकार्यस्य लेखनम् च।
		व्याकरणतः- समासाः नञ् तत्पुरुषः	नञ् तत्पुरुषसमास स्य प्रयोगः	शब्द परिचयः लेखनम् पदपरिचयः च	वभ कज्ञा नम्	हिन्दी शिक्षकसहायतया	हिन्दी शिक्षकसहायतया	वभ कप्रयोगः	पुस्तकदृश्यश्रव्यमा ध्यमयोः	वभ कज्ञानम्	भाषाशुद्धता
		सन्धयः वृद्धः, यण् अयादिः पूर्वरूपश्च	सन्धिकार्यं कमर्थं करणीयम्? लाभाः के?	शब्द परिचयः लेखनम् पदपरिचयः च	सन्धिनि र्माणं कथं क्रियते?	हिन्दी शिक्षकसहायतया	हिन्दी शिक्षकसहायतया	व्याकरणज्ञानम्, वाक्यनिर्माणं च।	पुस्तकदृश्यश्रव्यमा ध्यमयोः	सन्धिपरिचयः	भाषाशुद्धता
जून	14	म णकातः- चतुर्थः पाठः- आज्ञां गुरुणां हि अ वचारणीया	गुरुणाम् आज्ञापालनम्	व्यवहारिकज्ञानम्	कथं कमर्थं च आज्ञापाल नं करणीयम्?	कक्षायां छात्रैः सह नाटकमाध्यमेन चर्चा करिष्यते।	कक्षायां छात्रैः सह नाटकमाध्यमेन चर्चा करिष्यते।	गुरुणाम् आज्ञापालनस्य लाभाः	पुस्तकदृश्यश्रव्यमा ध्यमयोः	गुरुणाम् आज्ञापालनम् लाभाः अलाभाः च।	पाठस्य ज्ञानम् अभ्यासकार्यस्य लेखनम् च।
		व्याकरणे--- समासः बहुब्रीहि	बहुब्रीहि समासस्य प्रयोगः	शब्द परिचयः लेखनम् पदपरिचयः च	बहुब्रीहि समासपरि चयः	हिन्दी शिक्षकसहायतया	हिन्दी शिक्षकसहायतया	समासपरिचयः	समासप्रयोगः	वाक्यनिर्माणम्	भाषाशुद्धता
		प्रत्ययाः- टाप् डीप् ठक् मनुप् त्व तल् अपठित अवबोधनम्, संवादलेखनम् चत्रवर्णनम् पत्रलेखनम् च।	लेखनकौशल स्य विकासः	शब्द परिचयः लेखनम् पदपरिचयः च	बौद्धिक व कासः	-	-	व्याकरणज्ञानम्, वाक्यनिर्माणं च।	अनुवादकार्यम्	भाषाशुद्धता, वाक्यनिर्माणं अनुवादकार्यं च।	भाषाशुद्धता
		म णकातः - पञ्चमः पाठः-	श्रीमद्भागव त्गीतायाः	व्यवहारिकज्ञानम्	श्रीकृष्णार्जु न वर्णनम्	समूहा भनयः	समूहा भनयः	गद्यपद्ययोः शब्दार्थः सह अनुवादकार्यम्	पुस्तकदृश्यश्रव्यमा ध्यमयोः	सांस्कृतिक लौकिकज्ञानार्थम्	पाठस्य ज्ञानम् अभ्यासकार्यस्य लेखनम् च।

		अभ्यासवशगं मनः	ज्ञानम्								
जुलाई	26	षष्ठः पाठः- राष्ट्रं संरक्ष्यमेव हि	महाभारतकथा ज्ञानम्	व्यवहारिकज्ञानम्	महाभारत कथाधारित म्	महाभारतकथावर्णन म्	महाभारतकथावर्णनम्	गद्यपद्ययोः शब्दार्थः सह अनुवादकार्यम्	पुस्तकदृश्यश्रव्यमा ध्यमयोः	सांस्कृतिक लौकिकज्ञानार्थम्	पाठस्य ज्ञानम् अभ्यासकार्यस्य लेखनम् च।
		व्याकरणे- समासः वभक्तितत्पुरु षसमासः	वभक्तितत्पुरु षसमासस्य प्रयोगः	व्यवहारिकज्ञानम्	अव्ययीभा व समासपरि चयः	हिन्दी शक्षकसहायत या	हिन्दी शक्षकसहायतया	समासप्रयोगः	पुस्तकदृश्यश्रव्यमा ध्यमयोः	व्याकरणज्ञानम्, वाक्यनिर्माणं च	भाषाशुद्धता
		सन्धिः - व्यञ्जनसन्धिः - मोऽनुस्वार; प्रथमवर्णस्य तृतीयवर्ण, प्रथमवर्णस्य परिवर्तनम्, वर्गीयप्रथमाक्ष राणां पञ्चवर्ण परिवर्तनम्। अनुवादः- लङ्लकारे कारकपरिचयः -- प्रथमतः पञ्चमी वभ क पर्यन्तम्।	सन्धिकार्यं कमर्थं करणीयम्? लाभाः के? कारकउपपद व भक्त्योः लेखनकौशल स्य वकासः	शब्द परिचयः लेखनम् पदपरिचयः च	सन्धिनि र्माणं कथं क्रियते? कारकउपप द वभ क्त्योः कथं क्रियते?	हिन्दी शक्षकसहायत या	हिन्दी शक्षकसहायतया	व्याकरणज्ञानम्, वाक्यनिर्माणं च। व्याकरणज्ञानम्, वाक्यनिर्माणं च। अनुवादकार्यम्	पुस्तकदृश्यश्रव्यमा ध्यमयोः पुस्तकदृश्यश्रव्यमा ध्यमयोः	सन्धिपरिचयः	भाषाशुद्धता
		म णकातः- सप्तमः पाठः- साधुवृत्तं समाचरेत्	स्वजीवने अनुशासनस्य प्रयोगः	व्यवहारिकज्ञानम्	सज्जनदुर्ज नानां जीवने प्रभावः	लयबद्धसंगीतमाङ्ग्य मेन	लयबद्धसंगीतमाङ्ग्यमेन	पद्यात्मक व धना अनुवादकार्यम्	दृश्यश्रव्यहरितफलक माध्यमेन	सुभाषतानाम् अर्थः स्वजीवने प्रयोगः	पाठस्य ज्ञानम् अभ्यासकार्यस्य लेखनम् च।
अगस्त	22	अष्टमः पाठः- तिरुक्कुरल्- सूक्ति-सौरभम्	सुभाषतानाम् अर्थः स्वजीवने	व्यवहारिकज्ञानम्	सुभाषता नाम् जीवने	लयबद्धसंगीतमाङ्ग्य मेन	लयबद्धसंगीतमाङ्ग्यमेन	पद्यात्मक व धना अनुवादकार्यम्	दृश्यश्रव्यहरितफलक माध्यमेन	सुभाषतानाम् अर्थः स्वजीवने	पाठस्य ज्ञानम् अभ्यासकार्यस्य लेखनम् च।

			प्रयोगः		प्रभावः					प्रयोगः	
		व्याकरणे सन्धिः - वसर्गसन्धिः - वसर्गलोपः उत्त्वं रत्त्वं च, वसर्गस्थाने स् श् ष्	सन्धिकार्यं कर्मर्थं करणीयम्? लाभाः के?	शब्द परिचयः लेखनम् पदपरिचयः च	सन्धिनि र्माणं कथं क्रियते?	हिन्दी शिक्षकसहायत या	हिन्दी शिक्षकसहायतया	सन्धिज्ञानम्	सन्धिपरिचयः	व्याकरणज्ञानम्, वाक्यनिर्माणं च	भाषाशुद्धता
		समयलेखनम्, चित्रवर्णनम् पत्रलेखनम् च।	समयज्ञानम्	शब्द परिचयः लेखनम् पदपरिचयः च	घटिकया समयज्ञान म्	ग गत शिक्षकसहाय तया	ग गत शिक्षकसहायतया	समयलेखनम्	समयपरिचयः	व्याकरणज्ञानम्, वाक्यनिर्माणं च	भाषाशुद्धता
		वाच्यपरिवर्तन म् (केवलं लट्लकारे)	वाच्यपरिवर्तन म्	शब्द परिचयः लेखनम् पदपरिचयः च	परिचयः	हिन्दी शिक्षकसहायत या	हिन्दी शिक्षकसहायतया	वाच्यपरिचयः	वाच्यपरिवर्तनम्	व्याकरणज्ञानम्, वाक्यनिर्माणं च	भाषाशुद्धता
		अशुद्धसंशोधन म् (लङ्ग- वचन- वभक्त- लकार-पुरुष दृष्ट्या)। कारकपरिचयः -- षष्ठीतः सम्बोधनपर्य न्तम्। अपठित अवबोधनम्, संवादलेखनम् च।	कारकउपपद व भक्त्योः लेखनकौशल स्य विकासः	शब्द परिचयः लेखनम् पदपरिचयः च	अनुवाद क्र यया वाच्य परिवर्तनम्	-----	-----	अनुवादकार्यम्	वाक्यनिर्माणम्	व्याकरणज्ञानम्, वाक्यनिर्माणं च	भाषाशुद्धता
सितम्बर	05	अर्धवा र्षकी परीक्षायाः पुनरावृत्तः,	अर्धवा र्षकी परीक्षायाः पुनरावृत्तः, अर्धवा र्षकी	अर्धवा र्षकी परीक्षायाः पुनरावृत्तः, अर्धवा र्षकी परीक्षा	अर्धवा र्ष की परीक्षायाः पुनरावृत्तः,	अर्धवा र्षकी परीक्षायाः पुनरावृत्तः, अर्धवा र्षकी परीक्षा	अर्धवा र्षकी परीक्षायाः पुनरावृत्तः, अर्धवा र्षकी परीक्षा च।	अर्धवा र्षकी परीक्षायाः पुनरावृत्तः, अर्धवा र्षकी परीक्षा च।	अर्धवा र्षकी परीक्षायाः पुनरावृत्तः, अर्धवा र्षकी परीक्षा च।	अर्धवा र्षकी परीक्षायाः पुनरावृत्तः, अर्धवा र्षकी	अर्धवा र्षकी परीक्षायाः पुनरावृत्तः, पुनरावृत्तः,

		अर्धवार्षिकी परीक्षा च।	परीक्षा च।	च।	अर्धवार्षिकी की परीक्षा च।	च।				परीक्षा च।	अर्धवार्षिकी परीक्षा च।
अक्तूबर	13	म णकातः - नवमः पाठः- सुस्वागतम् भो! अरुणाचलऽ स्मिन्	अरुणाचलप्रदे शस्य ज्ञानम्	व्यवहारिकज्ञानम्	तत्र कं-2 प्राप्यते	सामाजिकभौगो लक ज्ञानम्	सामाजिकभौगो लकज्ञान म्	अरुणाचलप्रदेशस्य अन्तर्जालेन माध्यमेन यात्रा	-----	अरुणाचलप्रदेश स्य सामाजिकभौगो ल कज्ञानम्	पाठस्य ज्ञानम् अभ्यासकार्यस्य लेखनम् च।
		दशमः पाठः- कालोऽहम्।	समयज्ञानम्	व्यवहारिकज्ञानम्	ऐतिहासिक ज्ञानम्	-----	-----	मानवानां जीवनोपयोगी सत्यबोधः	दृश्यश्रव्यहरितफलक माध्यमेन	मूल्यानां अ भवृद्धः	पाठस्य ज्ञानम् अभ्यासकार्यस्य लेखनम् च।
		एकादशः पाठः- कं कम् उपादेयम्	नैतिकमूल्यानां वृद्धः	व्यवहारिकज्ञानम्	मूल्यानां अ भवृद्धः	-----	-----	मानवानां जीवनोपयोगी सत्यबोधः	दृश्यश्रव्यहरितफलक माध्यमेन	मूल्यानां अ भवृद्धः	पाठस्य ज्ञानम् अभ्यासकार्यस्य लेखनम् च।
		व्याकरणे- समासाः - अव्ययीभावः, द्वन्द्वः च।	अव्ययीभावः, द्वन्द्वः समासयोः प्रयोगः	शब्द परिचयः लेखनम् पदपरिचयः च	समासपरि चयः	हिन्दी शिक्षकसहायत या	हिन्दी शिक्षकसहायतया	समासपरिचयः	दृश्यश्रव्यहरितफलक माध्यमेन	समासज्ञानम्	भाषाशुद्धता
		प्रत्ययाः - मनुष्य, त्व, तल।	प्रत्ययज्ञानम्	शब्द परिचयः लेखनम् पदपरिचयः च	प्रत्ययः परिचयः	हिन्दी शिक्षकसहायत या	हिन्दी शिक्षकसहायतया	वाक्यप्रयोगः	प्रत्ययः परिचयः	प्रत्ययः ज्ञानम्	भाषाशुद्ध ता
		अव्ययानि - कुतः, यत्र, तत्र, कुत्र, तदा, साम्प्रतम्, इतस्ततः, सम्प्रति, यदा,	अव्ययज्ञानम्	शब्द परिचयः लेखनम् पदपरिचयः च	अव्ययप्रयो गः कुत्र, कथं भवति?	हिन्दी शिक्षकसहायत या	हिन्दी शिक्षकसहायतया	वाक्यप्रयोगः	अव्ययपरिचयः	अव्ययज्ञानम्	भाषाशुद्ध ता

		कदा, श्वः, ह्यः, यावत्-तावत्									
		व्याकरणे- संख्या - संख्यावा चश ब्दरूपा ण च, एकतः पञ्च यावत् वाक्यप्रयोगः, एकतः शतम् यावत् सामान्यज्ञानम् ।	संख्यावा चश ब्दरूपाणां स्मरणम्	शब्द परिचयः लेखनम् पदपरिचयः च	संख्यावा चशब्दरू पाणां स्मरणं लेखनं च।	ग णत शक्षकसहाय तया	ग णत शक्षकसहायतया	संख्यावा चशब्दरूपा णां ज्ञानम्	दृश्यश्रव्यहरितफलक माध्यमेन संख्यावा चशब्दपरिच यः दृश्यश्रव्यहरितफलक माध्यमेन संख्यावा चशब्दपरिच यः	संख्यावा चशब्दरू पाणां ज्ञानम्	भाषाशुद्धता
		अशु द्वसंशोधन म् (लङ्ग- वचन- वभ क- लकार-पुरुष दृष्ट्या)। अनुवादकार्यम् संवादलेखनम्, चित्रवर्णनम्, पत्रलेखनम् च।	लेखनकौशल स्य वृद्धिः	शब्द परिचयः लेखनम् पदपरिचयः च	कर्तृ क्रियामे लनम् अनुवादका र्यम् कर्तृ क्रियामे लनम् अनुवादका र्यम्	हिन्दी शक्षकसहायत या	हिन्दी शक्षकसहायतया	अनुवादं, पदानां शुद्धकरणम् च। अनुवादं, पदानां शुद्धकरणम् च।	वाक्यनिर्माणम् वाक्यनिर्माणम् वाक्यनिर्माणम्	वाक्यनिर्माणम् अनुवादकार्यं वाक्यनिर्माणम् अनुवादकार्यं च।	भाषाशुद्ध ता भाषाशुद्ध ता
		पूर्वपरिषदीय परीक्षा	पूर्वपरिषदीय परीक्षा	पूर्वपरिषदीय परीक्षा	पूर्वपरिषदी य परीक्षा	पूर्वपरिषदीय परीक्षा	पूर्वपरिषदीय परीक्षा	पूर्वपरिषदीय परीक्षा	पूर्वपरिषदीय परीक्षा		

SUBJECT : MATHEMATICS
Text Book : 1.NCERT

Month	WD / NOP	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	REAL NUMBERS Fundamental Theorem of Arithmetic - statements after reviewing work done earlier and after illustrating and motivating through examples. Proofs of irrationality of $\sqrt{2}$, $\sqrt{3}$, $\sqrt{5}$	The students will be able to: • describe Euclid's Division Lemma • calculate the HCF of two positive integers using Euclid's Division Lemma/ Algorithm • describe the Fundamental Theorem of Arithmetic. • express a number as a product of its prime factors to calculate the HCF and LCM of numbers. • recall the properties of irrational numbers. • prove that if P is prime and P	The fundamental theorem of arithmetic Concept of zeros of given polynomial Algebraic and graphical methods of solving a pair of linear equations.	Real number tree Polynomials equation	Spiral root The concepts of HCF and LCM are used for preparing different programming like Traffic lights control and for estimating cost by engineers. Values:- To save time, money and make life simpler. These concepts are used in various medical equipments are reports like ECG. Values:- To make life simpler. Square root	Activity-1	PPT Slides Videos animations You tube links, web series	(Work sheet/videos/animation)	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 questions	Students will be able to learn and apply the concept of HCF and LCM in their day to day life. Students will be able to: • explain Euclid's Division Lemma and the Fundamental Theorem of Arithmetic. • calculate the HCF of numbers using Euclid's Division Lemma and HCF & LCM of numbers using the prime
		POLYNOMIALS Zeros of a polynomial. Relationship between zeros and coefficients of quadratic polynomial									
		Polynomials CONTINUED...									
		PAIR OF LINEAR EQUATIONS IN TWO VARIABLES : Pair of linear equations in two variables and graphical method of their solution,									
		PAIR OF LINEAR EQUATIONS IN TWO VARIABLES consistency/inconsistency, Algebraic conditions for number of solutions. Solution of a pair of linear equations in two variables									

		algebraically - by substitution, by elimination. Simple situational problems	divides a 2 , then P divides a, where a is a positive integer. • prove that $\sqrt{2}$, $\sqrt{3}$, $\sqrt{5}$ are irrational numbers Students will be able to identify the zeroes of a polynomial $p(x)$ that are precisely the x-coordinates of the points, where the graph of $y = p(x)$ intersects the x-axis, compare the ratios of the coefficients of the polynomial with the sum of the zeroes, product of the zeroes of the polynomial and state the division algorithm for any polynomial through critical thinking.							factorization method. • recall the properties of rational and irrational numbers and prove a few theorems pertaining to these numbers. Students will be able to learn about concepts related to it and can apply in their life.
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			The learner will be able to- • The standard form of linear equation in two variables. • The graphical method of solving the linear equations in two variables. • The Algebraical methods like elimination, substitution and cross multiplication. • A pair of linear equations is inconsistent, if it has no solution. • A pair of linear equation is consistent, if it has solution. • To convert day to day life, mathematical statements into linear equation in two variable and find it solution.								
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MAY	8	QUADRATIC EQUATIONS : Standard form of a quadratic equation $ax^2 + bx + c=0$, ($a \neq 0$), Solutions of quadratic equations (only real roots) by factorization, and by using quadratic formula.)	The learner will be able to- • Identify the quadratic polynomials. • How and when a quadratic polynomial will become a quadratic equation? • Standard form of Quadratic equation ($ax^2 + bx + c =0$). • Recognition of quadratic equation By critical thinking. • Solution of Quadratic Equation using methods (i) By factorization (ii) By Completing the Square (iii) Quadratic Formula $x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$ • Discriminant of Quadratic Equation • Nature of the Roots (knowledge) (i) Two distinct real roots, if $b^2 > 4ac$	Meaning of a quadratic Equation and Nature of Roots, Solution of a Quadratic Equation, Word problems based on Quadratic Equations	Completing the square geometrically	Physics- Mathematical equation Chemistry- balancing of equation and solving of equation Geography- interpretation of graphs Helps to learn uses of this concept to solve practical problems. Values:-Helps to get an effective solution of a problem.	projects: 1, 2	PPT Slides Videos animations You tube links, web series	(Worksheets/videos/animations)	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 questions	Students will be able to learn these concepts and apply them in their life. KNOWLEDGE- Students will know and comprehend 1. How to recognize a quadratic polynomial 2. Difference between a quadratic polynomial and a quadratic equation 3. Methods to solve a quadratic equation 4. Application of the concepts towards everyday problems SKILLS and COMPETENCIES Developed- Students would be
		Relationship between discriminant and nature of roots. Situational problems based on quadratic equations related to day-to-day activities to be incorporated.									

			– $4ac > 0$ (ii) Two equal real roots, if $b^2 - 4ac = 0$ (iii) No real roots, if $b^2 - 4ac < 0$								able to 1. Identify quadratic equations 2. Solve the given equation by Critically an appropriate method 3. Solve complex questions based on everyday situations through collaboration and apply an appropriate methodology.
JUNE	14	ARITHMETIC PROGRESSIONS Motivation for studying Arithmetic Progression, Derivation of the nth term and sum of the first n terms of A.P. and their application in solving daily life problems.	To make students observe and understand certain things in nature which follow a certain pattern and in particular the series in which succeeding terms are obtained by adding a fixed number to the	Thales Theorem, Pythagoras Theorem, Different Conditions for Similarity, Relation between two similar triangles in terms of their areas	Explaining two advantages of Pythagoras theorem in daily life Warli Art	Helps to learn uses of these concepts to solve practical problems. Values:- Helps to get an effective solution of a problem.	Activities - 5,6, 18, 20	PPT Slides Videos animations You tube links, web series	(Worksheet/video/animation)	Analytical based questions Critical thinking thought provoking Analytical base questions Comprehending Assertion and reasoning	KNOWLEDGE- Students will know and understand 1. How to recognize an arithmetic progression. 2. How to find the given terms and sum of the given Arithmetic Progression.
		TRIANGLES Definitions, examples, counter examples of similar triangles. 1. (Prove) If a line is				Helps to learn uses of these concepts to understand the concepts of					

		drawn parallel to one side of a triangle to intersect the other two sides in distinct points, then the other two sides are divided in the same ratio 2. (Motivate) If a line divides two sides of a triangle in the same ratio, then the line is parallel to the third side.	preceding term (Character building). Students would be able to identify the various types of triangles, Basic Proportionality Theorem, Similarity of triangles, their criteria and Pythagoras Theorem. Students would be able to identify the various parts of circle as arc, sector and segment and calculate their lengths and areas and areas of combination of plane figures, thereby inculcating competencies like collaboration, critical thinking and communication			other subjects easily. The concept of similarity is used in preparing models. Values:- Helps to get an effective tool for preparing map, model.				HOTS questions Case based questions Source based questions Data based questions Picture based questions	3. Methods to solve a given application based question through real life situations. SKILLS- Students will be able to 1. Identify Arithmetic Progressions 2. Apply the knowledge to everyday situations and
		3. (Motivate) If in two triangles, the corresponding angles are equal, then their corresponding sides are proportional, and the triangles are similar. 4. (Motivate) If the corresponding sides of two triangles are proportional, then their corresponding angles are equal, and the two triangles are similar. 5. (Motivate) If one angle of a triangle is equal to one angle of another triangle and the sides including these angles are proportional, then the two triangles are similar									
		CIRCLES: Tangent to a circle, at point of contact: 1. (Prove) The tangent at any point of a circle is perpendicular to the radius through the point									

		of contact. 2. (Prove) The lengths of tangents drawn from an external point to a circle are equal.	n.									
JULY	26	INTRODUCTION TO TRIGONOMETRY Trigonometric ratios of an acute angle of a right-angled triangle. Proof of their existence (well defined); Values of the trigonometric ratios of 30°, 45° and 60°. Relationships between the ratios.	The students will be able to understand the following : • Angles and sides relation of a right triangle • Trigonometric ratios and their relationships.	Six Standard Trigonometric Ratios of angles 0°, 30°, 45°, 60°, 90°	Explaining meaning of trigonometric ratios	Helps to learn uses of these concepts to understand the concepts of Physics and Astronomy. Values:- Helps to get an effective solution of a problem	Activities 8, 9	PPT Slides Videos animations You tube links, web series	(Worksheets/videos/animations)	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 questions	KNOWLEDGE- Students will know and understand • The angle of elevation. • The angle of depression. • the application of Trigonometry in various fields such as Physics, Engineering, Navigation, Seismology and Art. SKILLS- Students would be able to 1. Identify and apply Trigonometric ratios in various situations of daily life. 2. Use different trigonometric angles	
		TRIGONOMETRIC IDENTITIES Proofs and applications of the identities $\sin^2 A + \cos^2 A = 1$, Only simple identities to be given to prove on the basis of the above three identities	• They will be able to find the trigonometric ratios for some particular angles. • Trigonometric ratios of complementary angles. • Trigonometric identities..	Three Standard Trigonometric Identities								
		HEIGHTS AND DISTANCES Angle of elevation, angle of depression Simple problems on heights and distances. Problems should not involve more than two right triangles. Angles of elevation / depression should be 30°, 45°, 60° only	To help the students acquire knowledge about Trigonometric Ratios at different	Angle of Elevation, Angle of Depression, Simple Problems based on Heights and distances.								
		AREAS RELATED TO CIRCLES Motivate the area of a circle, area of sectors and										

		segments of a circle. Problems based on areas and perimeter / circumference of the above said plane figures. (In calculating area of segment of a circle, problems should be restricted to central angle of 60°, 90° and 120° only. Plane figures involving triangles, simple quadrilaterals and circle should be taken.)	angles of 00 ,300 ,450 ,600 ,900 , their derivations and their application in daily life problems though creatively designing them in mathematical figures and calculating the unknown dimensions.	Segment and Sector of a circle, Problems based on areas related to sector and segment.		estimated cost of a civil work, area of a land..					values to find the required dimensions by analytical thinking.
AUG	22	COORDINATE GEOMETRY: (In two-dimensions) Review: Concepts of Coordinate Geometry, Graphs of linear equations, Distance formula, Section formula (internal division)	Students would be able to identify the various types of Measures of Central Tendency, their application and calculation. • Students would be also be able to make cumulative frequency curves (ogive), thereby inculcating competencies	Recap of MEAN, MEDIAN AND MODE for Ungrouped data MEAN, MEDIAN AND MODE of Group. Classical Probability , Application of the concepts of Probability in solving	>Concepts about central tendency i.e. Mean, Median and Mode. > Concepts of probability How to divide a Line segment into given	Helps to learn uses of these concepts to understand the concepts related to other subjects like taking a good decision.	Activities 7,10,11	PPT Slides Videos animations You tube links, web series	(Worksheets/videos/animation)	Analytical based questions Critical thinking thought provoking Analytical base questions Comprehending Assertion and reasoning HOTS questions Case based questions	KNOWLEDGE- Students will know and understand 1. Various types of Measures of Central Tendency. 2. Different methods to calculate them. 3. Identification and application of suitable method for easy calculations.
		STATISTICS Mean, median and mode of grouped data (bimodal situation to be avoided).									
		STATISTICS CONTINUED....									
		PROBABILITY Classical definition of probability, Simple problems on finding the probability of an event									

			like collaboration, critical thinking Students will be able to understand analyze the Theoretical Probability and critically examine the difference between Experimental and Theoretical Probability. • Students will also understand sure event and impossible event and their probability, thereby inculcating competencies like collaboration, critical thinking and creativity	Simple Problems Division of a Line segment into a given ratio Drawing a pair of tangents to a circle from a point	ratio How to draw pair of tangents to a circle from an external point					Source based questions Data based questions Picture based questions	4. Identification of the given type of frequency distribution and its corresponding curve. SKILLS- Students would be able to 1. Classify data as per the requirement of the situation . 2. Use the given data to interpret the required statistical concept, creatively and critically. 3. Solve complex questions based on the topics 4. Use analytical skills to visualize the given scenario and use the concepts learnt in everyday
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											problems. 5. Use critical thinking to solve problems.
SEPT	05	REVISION FOR TERM-I	Students would be able to calculate surface areas and volumes of differently combined solids, convert one solid form to other and calculate surface area and volume of cone, cylinder, sphere.	Tangent to a circle is perpendicular to the radius of the given circle, Tangents drawn from an external point to a circle are always equal in length	The lengths of tangents drawn from an external point to a circle are equal	Helps to learn uses of these concepts to understand the concepts of Physics Values:- To make l	Activities 12, 13, 14, 15 Projects 3, 4	PPT Slides Videos animations You tube links, web series	(Worksheets/videos/animations)	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 questions	Students will be able to understand these concepts and can apply them in their day to day life. KNOWLEDGE- Students will know and visualize the various figures related to circles and combination of figures SKILLS AND COMPETENCIES-
		TERM - I									
		TERM - I									
OCT	13	---									

		MENSURATION continued...		Surface Area and Volume of Mixture of Three Dimensional Objects	How are surface area and volume related to our daily life give two examples each (Area & Volume)	Helps to learn uses of these concepts to understand the concepts of Physics Values:- To make 1	Activities- 16,17	PPT Slides Videos animations You tube links, web series Distance formula, Section formula and Area of a triangle	(Works heet/vi deos/an imation	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 questions	Students would be able to 1. Identify the 3-D shapes combined to form an object. 2. Understand the various surfaces of the resultant object. 3. Determine the surface area of an object formed by combining any 2 of the basic solids. 4. Find the volume of the objects formed by combining any of 2 of a cuboid, cone, cylinder, sphere and hemisphere. 5. Understand how the object of one shape is converted to
		MENSURATION continued...									

											another shape and calculate the dimensions of reshaped solid.
NOV		REVISION FOR PRE-BOARD – I PRE-BOARD - I									
DEC		REVISION FOR PRE-BOARD – II PRE-BOARD - II									
JAN											
FEB											

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	Light – Reflection and Refraction: Reflection of light, plane mirror and spherical mirror, Image formation by plane mirror and spherical mirror, Centre of curvature, principal axis, principal focus, focal length.	- To enable students to understand the term reflection and laws of reflection. - To understand reflection from plane and spherical mirror. - To know the various conditions of image formation by spherical mirror. - To know about types of images real and virtual. - To understand different terminology related with spherical mirror.	- Properties of light. - Laws of reflection. - Image formation by Plane and Spherical mirror.	PPT Making On Image formation by spherical mirror.	To make a solar cooker with the help of plane spherical mirror. Uses of plane and spherical mirror in day to day life.	To find the focal length of concave mirror and convex lens by obtaining the image of a distant object.	Demonstrate the path of light when it travels through a rectangular plane and spherical mirror, in order to formulate laws of reflection of light.	Video on lateral inversion, and multiple reflection. Revision and Quiz	- Q & A - LOA	Make it sure that the student learns the concepts given. The brief idea properties of light. Reflection of light and the two laws of reflection of light. Plane mirror and the characteristics of image formed by a plane mirror.

May	08	Light – Reflection and Refraction: Sign convention for reflection by spherical mirror, Mirror formula and Magnification.	To enhance the numerical concept related with spherical mirror.	- Magnification of mirror. - Mirror formula - Numerical on Mirror formula.					Quiz	Q & A	Make it sure that the student learns the concepts for solving numerical.
June	14	Light – Reflection and Refraction: Refraction of light : Laws of Refraction of light, Refractive index, Refraction through glass slab, Refraction of spherical lens, Image formation by lenses, ray diagram, sign convention for spherical lenses. Lens formula & its magnification, Power of a lens.	- To enable students to understand the term refraction and laws of refraction. - To understand refraction from glass slab, prism and spherical lens. - To understand different terminology related with spherical lens. - To know the various conditions of image formation by spherical lens. - To know about types of images real and virtual. - To know the concept of Lens formula, magnification and Power of lens. - To solve the numerical on lens formula.	- Laws of refraction. - Refraction through Prism, Glass Slab and lens. - Image formation by lens. - Numerical on lens formula and Power of lens.	<u>To make Slide show for the image formation by both type of lenses.</u>	Study the uses of lenses in various field.	To find the focal length of concave mirror and convex lens by obtaining the image of a distant object.	Demonstrate the path of light when it travels through a rectangular glass slab, in order to formulate laws of refraction of light.	Quiz on refraction of light	- LOA - Q & A	Make it sure that the student learns the concepts given. Difference between concave mirror and convex lens and its uses. Various Image formations by Concave and Convex lens. Terms related to mirrors like optical center, Principal focus, focal length, etc. Able to find the image or object distance with the help of numerical.
July	26	Human Eye and Colourful world:	- To enable students to understand the function of human eye. - To understand the various defects of eye. - To understand different causes of defects of human eye.	- Function of eye - Formation of rainbow - Defects of eye - Cause and correction of defects of eye.	Sketch the structure of human eye, and write about its functioning.	To know various reasons of eye defects, and also know the reasons of	Tracing the path of a ray of light passing through a rectangular glass slab for different angles of incidence.	Deduce the nature and size of image by magnification in order to relate height of object with height of	Video and lab activity of glass slab, prism, combination of prism.	L.O.A Q & A discussion related to board examination.	Relates processes and phenomena with causes / effects, such as blue colour of sky with scattering of light,

		Functioning of a lens in human eye, defects of vision and their corrections, Dispersion of white light by a glass prism, composition of white light. Visible spectrum, causes of Dispersion, Recombination of spectrum, colours, rainbow, atmospheric refraction. Scattering of light, Tyndall effect, examples of the scattering of light. Electricity: Electric current and circuit: Electric potential and potential difference, circuit diagram, Ohm's Law. Resistance, factors on which it depends, Resistivity, resistance of a system of resistances.	- To know the various conditions of atmospheric refraction.. - To enable students to understand the term resistance, resistivity, potential difference. - To understand Ohm's law. - To understand different types of electrical circuits.	- Electric potential and potential difference. - Ohm's law. - Resistance, factors on which it depends, Resistivity.		rainbow formation.	Measure the angle of incidence, angle of refraction, angle of emergence and interpret the result.	image.			formation of rainbow
Aug	22	Electricity: Electric current and circuit: Resistors in Series and parallel combination of resistors and its application. Heating effect of electric current, and its applications in daily life, electric power.	- To know the series and parallel combination. - To know about Joule's law of heating effect. - To know the concept of Power. - To know the concept of Power. - To solve the numerical.	- Resistors in Series and parallel combination of resistors and its application combination. - Heating effect of	With the help of Mathematics relate the calculation of data from the graph.	To know about the circuit of household and various features of circuits.	To study the dependence of potential difference (V) across a resistor on their current I passing through it & determine	Identify the electrical components and their functions, in order to build a functioning circuit. Explain and	Video on heating effect of current.	L.O.A Q & A discussion related to board examination.	Make it sure that the student learns the concepts given. Charge is quantized, conserved, additive Flow of Electric charge through a

		Magnetic Effects of Electric Current: Magnetic field, field lines, Magnetic field due to a current carrying straight conductor, coil, solenoid. Force exerted by a current carrying conductor placed in a Uniform magnetic field, Right hand thumb rule,	- To enable students to understand the Magnetic field lines. - To understand Magnetic field due to a current carrying straight conductor, coil, solenoid.	electric current. - concept of Power. - Magnetic field lines. - Solenoid.			its resistance. Also plot the graph between V – I .	examine the heating effect of electric current, in order to learn working of appliances like heater, iron and fuse.			metallic wire. Direction of current. Definition of the SI unit of current. Drawing of the Components of Electric circuit & their symbols. Drawing Circuit Diagram.
Sept	05										
Sept & Oct	05 13	Magnetic Effects of Electric Current (Contd): Fleming's left rule, Direct current. Alternating current: frequency of AC. Advantage of AC over DC. Domestic electric circuits.	- To understand Right hand thumb rule, Fleming's left rule, - To know Advantage of AC over DC. - To know about Domestic electric circuits.	- Right hand thumb rule. - Fleming's left rule. - Advantage of AC over DC. - Domestic electric circuits.	PPT Making On Domestic electric circuits.	To know about the circuit of Domestic and various features of circuits.		Analyse the significance of neutral, earth and live wire, in order to understand formation of a domestic electrical circuit.	Video of magnetic field lines for various conductors.	L.O.A Q & A discussion related to board examination.	Make it sure that the student learns the concepts given. How magnetic field can be generated by the help of electric current. How electric current can be generated with the help of magnetic field.
Nov	22	Revision of full syllabus along with chapter wise module tests/ Pre- board – I									
Dec											
Jan											

SUBJECT: CHEMISTRY
Textbook: 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 -1 CHEMICAL REACTION Chemical reactions, Chemical equation, balanced chemical equation, types of chemical reactions: combination, decomposition, displacement, double displacement, precipitation, endothermic exothermic reactions, oxidation and reduction.	Ch- Chemical reactions and Equations: - 1. Chemical reactions, reactants and products 2. Representation of chemical reaction 3. Chemical equations 4. Balancing chemical equation types of reactions combination reaction, decomposition reaction Displacement reaction Double displacement reaction Precipitation reaction, Endothermic reaction Exothermic reaction oxidation reduction reaction	Chemical reactions and equations: - 1. Chemical reactions, reactants and products 2. Representation of chemical reaction 3. Chemical equations 4. Balancing of chemical equations	Power point presentation on “Diverse applications of simultaneous occurrence of redox reactions.”		Performing and observing the following reactions and classifying them into: A. Combination reaction B. Decomposition reaction C. Displacement reaction D. Double displacement reaction (i) Action of water on quicklime (ii) Action of heat on ferrous sulphate crystals (iii) Iron nails kept in copper sulphate solution (iv) Reaction between sodium sulphate and barium chloride solutions	sodium sulphate and barium chloride solutions			
May	8+14	Acids, Bases and Salts: Acids and Bases – definitions in terms of furnishing of H ⁺ and OH ⁻ ions, identification using indicators, chemical properties, examples and uses,	Acids, Bases and Salts: Acids and Bases – definitions in terms of furnishing of H ⁺ and OH ⁻ ions, identification using indicators, chemical properties,	• <u>Neutralization reactions</u> • <u>corrosion and rancidity</u> • <u>acids and bases</u> • <u>organic acids and inorganic acids</u> • <u>strong and weak acids</u> • <u>concentrated and dilute acids</u> • <u>Acidity</u> • <u>Basicity</u> • <u>Indicators</u> • <u>Olfactory indicators</u> •	<u>Creation of Cross word puzzle on the properties of acid and base</u> <u>Making Bookmark to show colour change in pH scale.</u>		Finding the pH of the following samples by using pH paper/universal indicator: (i) Dilute Hydrochloric Acid (ii) Dilute NaOH solution (iii) Dilute Ethanoic Acid solution (iv) Lemon juice (v) Water (vi) Dilute Hydrogen				

		neutralization reactions concept of pH scale importance of pH in everyday life; preparation and uses of Sodium Hydroxide, bleaching powder, baking soda, Washing soda and Plaster of Paris.	examples and uses, neutralization, concept of pH scale (Definition relating to logarithm not required), importance of pH in everyday life; preparation and uses of Sodium Hydroxide, Bleaching powder, Baking soda, Washing soda and Plaster of Paris. Indicators Corrosion	<u>Properties of acids and bases</u>			Carbon ate solution				
June	14		Acidity and basicity 4. Indicators some important salts and water of crystallization.		Making of Bookmark to show colour change in pH scale.			s by using pH paper/u niversal indicat or: (i) Dilute Hydroc hloric Acid (ii) Dilute NaOH solution (iii) Dilute Ethanoic Acid solution (iv) Lemon juice (v) Water (vi) Dilute Hydrog en Carbonate solution.			
July	26	Metals and Nonmetals - Properties of metals and non-metals; Reactivity series; Formation and properties of ionic compounds; Basic metallurgical processes; Corrosion and its prevention	<u>Metals and non-metals: - 1. Introduction about metals and non-metals 2. Physical properties of metals and non-metals. Chemical properties of metals and non-metals 4. Ionic</u>	<u>Metals and non-metals: - 1. Introduction about metals and non-metals 2. Physical properties of metals and non-metals. Chemical properties of metals and non-metals 4. Ionic compounds</u>	<u>Comic strip on chemical properties of metals and non – metals</u>	<u>Gandhi ji - Dandi March and its significance in our life</u>					

			<u>compounds</u>								
Aug	22		5. Extraction of metals and corrosion 6. Prevention of corrosion	Physical and chemical properties of metals and non-metals • Ionic compounds • Extraction of metals • Corrosion and its prevention	<u>Studying the properties of acids and bases (HCl & NaOH) on the basis of their reaction with:</u> <u>a) Litmus solution (Blue/Re d) b) Zinc metal c) Solid sodium carbonate</u> <u>Observing the action of Zn, Fe, Cu and Al metals on the following salt solutions: i) ZnSO₄ (aq) ii) FeSO₄(a q) iii) CuSO₄(a q) iv) Al₂(SO₄)₃(aq)</u> <u>Arranging Zn, Fe, Cu and Al (metals) in the decreasing order of reactivity based on the above</u>	<u>Collect pictures and information related to the historical background of two rust resistant monuments built in India. Compile it in the form of report</u>					
Sep	05	REVISION OF TERM I									
Oct	13	Ch - Carbon and its compounds: Covalent bonds – formation and properties of covalent compounds, Versatile nature of carbon, Hydrocarbons – saturated and unsaturated	Bonding in carbon compounds • Versatile nature of carbon • Catenation property Isomerism, Properties of carbon	Bonding in carbon compounds • Versatile nature of carbon • Catenation property	Clay modelling on carbon compounds.	To know the role of carbon in the body					

		Homologous series. Nomenclature of alkanes, alkenes, alkyne and carbon compounds containing functional groups (halogens, alcohol, ketones, aldehydes). Chemical properties of carbon compounds (combustion, oxidation, addition and substitution reaction). Ethanol and Ethanoic acid (only properties and uses), soaps and detergents.									
Nov	22		Carbon compounds • Saturated and unsaturated carbon compounds • Alkane, alkene and alkyne • Aliphatic and aromatic compounds • Isomerism • Addition reaction • Oxidation reaction • Dehydration reaction • Combustion reaction • Substitute reaction • Esterification • Saponification • Micelle formation	Carbon compounds • Saturated and unsaturated carbon compounds • Alkane, alkene and alkyne • Aliphatic and aromatic compounds • Isomerism • Addition reaction • Oxidation reaction • Dehydration reaction • Combustion reaction • Substitute reaction • Esterification • Saponification • Micelle formation	Poster on “Micelles Formation”	Hard water and Soft Water: Which one is healthier.					
Dec	23	PRE BOARD 1 PREBOARD II									
Jan	16										
Feb											
March											

SUBJECT: 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 Activit y	Competency Based Activity Learning	Learning Outcomes
April	24	Ch 6 : Life Processes 1.introduction 2.nutrition - modes of nutrition 3.nutrition in plants 4.nutrition in Amoeba 5. nutrition in human beings 6. dental caries 7. respiration 8. fate of pyruvate 9. Transportation in human beings	1. Acquisition of knowledge: The student will be able to know about definition of Photosynthesis Events occur during photosynthesis Differentiate between Autotrophic and Heterotrophic nutrition Human digestive system Types of Respiration Respiration in plants Mechanism in respiration Component of blood Human Heart Double Circulation Circulation system Lymphatic system	Key point 1. Autotrophic Nutrition 2. Heterotrophic Nutrition 3. Stomata 4. Parts of Human digestive system 5. Pseudopodia 6. Fate of Pyruvate 7.Parts of Human Respiratory System 8. Blood & Blood Vessels 9. Systemic & Pulmonary Circulation 10. Systolic & Diastolic Pressure 11.Lymph		1. Prepare a fruit salad for Human Digestive System and make a report on it mention in g the fruit / vegetable best for various digestive organs	Flow chart of photosynthesis through PPT	1.Preparing a temporary mount of a leaf peel to show stomata. 2.Experimental ly show that carbon dioxide is given out during respiration	Find the reasons and consequences for : 1.Lung Cancer 2.Peptic ulcer 3.Liver enlargement 4. Pancreatic disorders	Quiz And Video <	

			2.Development of understanding: To enable students to understand Aerobic and anaerobic respiration occur in Yeast , Muscles and in mitochondria								
May	08	Ch 6 : Life Processes 10.Transportation in plants 11. Excretion in human beings 12. Excretion in plants	1. Acquisition of knowledge: The student will be able to know about Translocation Transportation in plants Xylem Phloem Excretion in human Nephron Transpiration in plants 2.Development of understanding: To enable students to understand Blood vessels Component of blood Structure of human kidney	12.Translocation 13. Transpiration 14. Nephron 15. Hemodialysis 16.Micturation	<u>2. Discuss the design of the dialysis machine which act as artificial blood filtration units when the human kidney stops function in g properly.</u>		Measurement of blood pressure in human		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 translocation Double circulation in human Human Excretion The students will be able to After the completion of the chapter, the students will be able to Mechanism in translocation Mechanism of double circulation Urine formation process The student will able to Develop the skill To draw the diagram of Heart Nephron
June	14	CH 7 : Control and Coordination in	1. Acquisition of knowledge:	Key point 1.Animals - Nervous System		<u>Physics To explain</u>	Activity: Seeing		Quiz And		The student will be able to know

		animals & plants. 1. animals Nervous System 2. what happens in Reflex Actions? 3. human brain 4. How are these tissues protected? 5. how does the Nervous Tissue cause Action? 6. immediate response to stimulus 7. Hormone in Animals	The student will be able to know about Nervous system Brain Spinal cord Reflect arc Endocrine gland and its hormone 2. Development of understanding: To enable students to understand Reflect Action Part of human Brain	2. Reflex arc 3. Human Brain 4. Hormone in animals Pituitary gland Thyroid gland Adrenal gland Pancreases Testis Ovary		<u>the working of Neuron</u>	Permanent slide of a neuron		Video	Question on * High order thinking * Assertion and Reasoning * Picture based questions	and learn about Neuron Nervous system Brain and spinal cord Reflect action Endocrine gland The students will be able to After the completion of the chapter, the students will be able to Know the different types endocrine gland and Hormones present in our body The student will be able to Develop the skill of making figure
July	26	8 . plant movement due to growth 9. hormones in plants	1. Acquisition of knowledge: The student will be able to know about Nastic and trophic movement Types of trophic movement Phytohormone 2. Development of understanding: To enable students to Understand Difference between Nastic and Tropic movement	<u>5. Coordination in Plants</u> <u>6. Hormones in Plants</u>	<u>Activity:</u> <u>Model of neuron using Sheet of paper, straw, soft candies, cotton candy, raisins, strings</u>			Concept map on Endocrine glands (human beings) stating its functions the consequences on hyper & hypo activity of each gland		LOA & WORKSHEET Question on * High order thinking * Assertion and Reasoning * Picture based questions	The student will be able to know and learn about Nastic movement Trophic movement Phytohormone The students will be able to After the completion of the chapter, the students will be able to Auxin Cytokinin Gibberellic acid Absciscic acids The student will be able to

			Phytohormone Auxin Cytokinin Gibberellic acid Absciscic acids								Develop skill of identifies the function of different phytohormone
Aug	22	Ch – 8 How do Organisms Reproduce? : 1.copying of DNA ; 2.importance of Variation ; 3.asexual Reproduction. 4.sexual reproduction in flowering plants.: 6.reproduction in human beings 7.male and female reproductive system, 8.menstruation (when the egg is not fertilized) 9.Reproductive health-Need for & methods of family planning, safe sex, HIV/AIDS child bearing and women’s health. Symptoms of sexually transmitted diseases, contraceptive methods	1. Acquisition of knowledge: The student will be able to know about Asexual reproduction Fission Fragmentation Spore formation Budding Sexual reproduction Male reproductive Testis Female reproductive part Ovary Reproductive health 2.Development of understanding: To enable students to understand male and female gametes of plants and animals .	Key Point 1.Intro + The importance of variation 2.Fission 3.Fragmentation & Spore formation 4.Regeneration 5.Budding 6. Vegetative Propagation 7.Sexual Reproduction in Flowering Plants 8.Reproduction in Human Beings 9.Male Reproductive System 10.Female Reproductive System 11.Reproductive health 12. Symptoms of sexually transmitted diseases. 13. Contraceptive methods	<u>Experiential learning:</u> <u>Visit school garden and make a list of 10 plants you observe.</u> <u>Talk to gardener to find the life span , mode of propagation etc.</u>	<u>To explain the Bisexual flower male and female gamete And their pollination</u>	1. Studying (a) binary fission in Amoeba, and (b) budding in yeast and Hydra with the help of prepared slides. 2.Identification of the different parts of an embryo of a dicot seed (Pea, gram or red kidney bean).	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 Fission Budding Fragmentation Spore formation Vegetative propagation Male reproductive part And female reproductive part Reproductive health The students will be able to After the completion of the chapter, the students will be able to differentiate between 1. binary and multiple fission 2. Regeneration and fragmentation 3. contraceptive method The student will able to Develop the skill Making figures.	
Sep	05	Revision & Term 1 Examination	1. Acquisition of knowledge: The student will be able to know about	Key points 1.Ecosystem 2.Producers 3.Consumers	Model of Food Web			Concept map on 10 % flow of energy Component of Ecosystem.	Quiz And Video	LOA & WORKSHEET Question on	The student will be able to know and learn about Ecosystem Biotic component

		Ch 15: Our environment 1.Waste management 2. Eco-system and its constituent. 3. Food Chains and Food Webs 4 .Environmental problems, 5.Ozone depletion.	Biotic and Abiotic Component of environment Food chain Food web Energy flow Environmental problem 2.Development of understanding: To enable students to understand meaning of biomagnification.	4.Decomposers 5.Food Chain 6.Food Web 7.Ozone depletion 8.10%law of energy transfer 9.Ecological Pyramid 10. Biomagnification						* High order thinking * Assertion and Reasoning * Picture based questions	Food chain Food web Ozone depletion The students will be able to After the completion of the chapter, the students will be able to Differentiate between 1.food chain and food web 2. Biomagnification The student will be able to Develop skill of making figure .
Oct	13	CH – 9 : Heredity 1.accumulation of variation during reproduction 2. heredity – Inherited traits, 3.mendel's contribution and rules for inheritance of traits 4. expression of the traits , 5.sex determination.	1. Acquisition of knowledge: The student will be able to know about Chromosome DNA Monohybrid cross Dihybrid cross Phenotypic and Genotypic ratio 2.Development of understanding: To enable students to understand how to calculate the genotypic and phenotypic ration	1.Chromosome 2. DNA 3. Gene 4. Mendel laws of inheritance Mendel's experiments 1. Sex determination. 7.Environmental in sex determination	Make a chart using colorful beads to show monohybrid & dihybrid cross			Concept map on Mendel's 7 pairs contrasting traits .	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 Mendel's 7 pairs of contrasting traits Monohybrid cross Dihybrid cross The students will be able to After the completion of the chapter, the students will be able to Calculate the Monohybrid cross Phenotypic and Genotypic ratio .
Nov	22	Revision									
Dec	23	Board Exam									

Jan	16	Revision									
Feb		Revision									
March											

SUBJECT: HISTORY/SPL

Textbook: 1. Social Science-(Hist)

India and the Contemporary World-II.

2. Social Science (SPL)

Democratic Politics -II

Month	WD	Chapter/ Sub-Topics	Learning Objective	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 Ch-2 The Nationalis t Movemen t in India. Unit1-The First War, Non- cooperatio n and Khilafat Movemen t Unit -2. Differing strands within the movement . Unit-3. Towards Civil Disobedie nce. Unit-4. The Sense of Collective	To make the learners understand about our freedom movement and the sacrifices made by our people to make us free from the British rule. identify key factors and events that contributed to the rise of nationalism. Analyse Understand the concept of nationalism and its significance in India's struggle for independence.	The First World War & Freedom Movement in India Khilafat & Non- Co- operation Movement Ghandhi an Concept of Satyagraha Philosophy causes & programmed of non-co-operation Movement. -Spread limitations & Withdrawal of Non-Co- operation Movement Civil Disobedience Movement (1922-1934 AD) The major events & developments leading to the movements. Causes &	Use paintings, sculptures, and other artworks from the period to illustrate nationalist sentiments and themes. Analyse how art reflects and shape’s national identity. Discuss the role of artists in nationalist movements.	Research and present on a specific nationalist movement or leader. Create a timeline of key events in the rise of nationalism in India. Ensure diverse perspectives. are represented in the curriculum and classroom discussions. Provide materials in multiple formats to cater to different learning styles and abilities.	Project on the sense of collective belongingness, Different abstract ideas which created a sense of collective belongingness amongst the people of India.	Compare the policies of Otto Von Bismark and Sardar Vallabhbhai Patel. Creating an interactive presentation on key concepts and events related to the rise of nationalism in Europe. Use the Smart Board to analyse and interpret primary sources, such as political cartoons or speeches.	Use of online resources, such as videos or interactive maps, to enhance understanding of historical events and concepts.	Framing competenc y bases questions on the chapters Rise of Nationalis m in Europe. Assess students' understandi ng of nationalism through project- based assessment s, such as creating a pamphlet or poster promoting nationalism . By the end of the chapter, students should be able to: Explain the concept of nationalism and its relevance to Indian history. analyse the factors that contributed to the rise of nationalism in India. Evaluate the	

		Belongingness.		Outbreak The Spread & Limitation of the Movement, Sense of collective belongingness.							impact of nationalist movements on Indian society and culture. Assess the significance of key leaders and events in India's struggle for independence
		SPL-Ch- 1. Power Sharing Case Study of Power Sharing System in Belgium and Sri Lanka. Forms of power Sharing Horizontal and Vertical Power Sharing. Why is Power Sharing Desirable? Reasons for Power Sharing Prudential and Moral Power Sharing.	Learners Will be able to understand the importance of power sharing and logically they can comprehend the different forms of power sharing and importance of power sharing.	Case Study of Power Sharing System in Belgium and Sri Lan Forms of power Sharing Horizontal and Vertical Power Sharing. Why is Power Sharing Desirable? Reasons for Power Sharing Prudential and Moral Power Sharing.	Make a chart showing the Horizontal and Vertical power Sharing				Comparative study of Indian Federalism with the USA		
May	08	SPL- Ch- 2. Federalis	To make the learners understand the	Meaning, Federal and Unitary system,	Comparative study of Indian						Learners can understand the different aspects

		m Meaning of Federal And Unitary system Features of Federalis m, Objectives of Federalis m, Types of Power Sharing. Specific Features of the Federal System of Governme nt in India. How is Federalis m Practiced in India? Linguistic state, Language policies, Centre State Relation levels...	concept of the federal system and its working in different countries of the world.	Features of Federalism Objectives of Federalism, Types of Power Sharing. Lists of power distribution in India. Practice of Federalism in India. Decentralization, Challenges and amendment to make it more powerful.	Federalism with India and the USA						of the working of the federal system of government throughout the world. Learners can understand the different aspects of the working of the federal system of government throughout the world.
June	14	History- Chapter -1 Rise of Nationalis m in Europe. Unit 1- The	Learners will be able to understand the concept of Nationalist movements of the world.	1. The French revolution & the idea of Nation State & Nationalism, Napoleon Bonaparte & the spread of	Time-line chart on events of European National Movement Use paintings, sculptures, and other artworks	Encourage open discussion and respectful dialogue on sensitive topics related to nationalism.	A project on different symbolic ideas creating the feelings of Nationalism. Research and present on a	Compare the policies of Otto Von Bismark and Sardar Vallabhbhai Patel.	Use of online resources, such as videos or interactive maps, to enhance understanding of historical	Frame competenc y bases questions on the chapters Rise of Nationalis	Learners can comprehend the different changes and revolutions taking place to make nationalism and

		French Revolution and idea of Nation. , Unit - 2The Making of Nationalism in Europe. Unit - 3. The Age of Revolutions -1830-1848. Unit -3. The Age of Revolutions -1830-1848. Unit - 4. The Making of Germany and Italy Unit -5. Visualizing the Nation. Unit- 6. Nationalism and Imperialism.	And to analyse the causes and consequences of nationalist movements in various European countries .Identify key events and leaders of nationalist movements in Europe. Evaluate the role of culture, language, and religion in fostering nationalism.	Nationalism 2.The Era of Liberal Nationalism 1789-1815 AD 3. The Age of New Conservatism 1815- 1830 4. The Revolutionaries. Nationalism causes, its features	from the period to illustrate nationalist sentiments and themes.	Discussion on the topics given in the boxes and the cartoons given in the chapter.	specific nationalist movement or leader. Create a timeline of key events in the rise of nationalism in Europe.	Create interactive presentations on key concepts and events related to the rise of nationalism in Europe. Use the Smart Board to analyse and interpret primary sources, such as political cartoons or speeches.	events and concepts.	m in Europe. Assess students' understanding of nationalism through project-based assessment s, such as creating a pamphlet or poster promoting nationalism .	nationalist feelings successful. They are also able to demonstrate an understanding of the causes and consequences of nationalism in Europe. Analyse primary and secondary sources related to nationalist movements
July	26	SPL-Ch4-Gender Religion and Caste	To make the learner understand the bad impacts of gender, caste religious discrimination in our society.	Gender and Politics - Public/Private division, Women's political representation . Religion,	Develop a gender perspective on politics through painting and slogans against gender	Debate in the class on the topics related to the three topics given in chapter.	Identify and analyze the challenges posed by communalism to Indian democracy.	Identify and analyze the challenges posed by communalism to Indian democracy and the different forms of	Making the concept of gender equality clear through video presentation.	Recognize the enabling and disabling effects of caste and ethnicity in politics.	Learners can comprehend the positive aspects of Gender sensitivity, caste system and religious aspects.

				Communalism and Politics – Communalism, Secular State. Caste and Politics - Caste inequalities, Caste in politics, Politics in caste.	discrimination.			communal politics.			
Aug	22	Hist-Ch-4. The Age of The Making of Global World. Unit -1 only.	To make the learners know about global trade and exchanges before the modern concept of globalization came into existence.	The pre-modern world · The Nineteenth Century (1815-1914) · The Inter war Economy · Rebuilding a World Economy: The Post-War Era	Present a picture of the Silk Route connecting it with different parts of the World.	Debate in the class on the topics related to the three topics given in chapter. Discussion on the topic – Existence of trade before coming of the Modern world. <u>Debates on important events and issues in the past.</u>	Show that globalization has a long history and point to the shifts within the process	Analyze the implication of globalization for local economies	Quiz in the class through Tata Class Edge.	Make a project on how globalization was experienced differently by different social group	Learners can understand the existence of global trade and exchange of ideas during the ancient and medieval period.
August - contd		SPL-Ch-6. Outcomes of Democracy.	To make the learners compare democracy with other forms of the government and to evaluate the outcomes of	How do we assess democracy's outcomes? · Accountable, responsive, and legitimate	Prepare a cartoon on economic development presenting as an outcome of democracy or a	A debate to be organized in the class is about the positive and negative outcome of	Distinguish between sources of strengths and weaknesses of Indian democracy	Evaluate the functioning of democracies in comparison to alternative forms of governments	Tata Edge Presentation on the t chapter Outcomes	Make a project evaluating the causes for continuation of	Learners are able to compare the outcomes of democracy by evaluating it on different basis.

		(Continue d	democracy.	government Economic growth and development Reduction of inequality and poverty Accommodation of social diversity. Dignity and freedom of the citizens	picture accommodatin g the diversities found in a country.	democracy.			of Democracy.	democracy in India.	
		SPL- Ch-5 Political Parties Meaning, components, Functions, Necessity, Forms and types of political parties, Challenges and reforms in Political Parties	To make the learners understand the role of the political parties in a democratic country.	Why do we need Political Parties? Meaning, Functions, Necessity How many parties should we have? National Parties State Parties Challenges to Political Parties How can Parties be reformed?	Draw the Symbols of National parties and regional parties found in India.	Suggestions to be asked how to reform our political parties?	To prove how political parties are necessary in an Indirect Democratic country	Analyze party systems in democracies working in different countries of the world.	Video presentatio n of the working of the political parties and the shortcomin gs of every political party of the world	Prepare a project on the relevance of state /regional parties in a federal republic like India.	Learners can think critically and analyze the importance of political parties in democracy. They also understood their role in reforming the political parties.
August +Sept	05	Revision with model test papers. (History) Practice Tests Doubts classes Pre-Board 1 Pre-Board -2		Model Question Paper based on Annual content ii) Previous year's Board Question Papers iii) School Assignment iv) Mock Test							

Sep -		Hist- Ch-6. Print Culture and the Modern world	To make the learners understand the importance of Print Culture in the modern world and its role in bringing reforms in education.	The First Printed Books · Print Comes to Europe · The Print Revolution and its Impact · The Reading Mania · The Nineteenth Century · India and the World of Print · Religious Reform and Public Debates · New Forms of Publication · Print and Censorship.	Create Cartoons to criticize or put a sarcastic remark on the evil practices found in our society.	Making the learners prepare a chart paper and writing the names of the books written by different authors and to prepare a chronology of events which helped in the rise of printing.	Familiarize yourself with pictures, cartoons, extracts from propaganda literature and newspapers.	Understand that forms of writing have a specific history, and that they reflect historical changes within society and shape the forces of change	Video presentations of different types of printed books, authors and reformers and scientists	Prepare a project Identifying the link between print culture and the circulation of ideas	Learners can comprehend and understand the importance of Printing in making the modern world.
Oct	13	Revision and Mock Practice for Preboard 1 and 2									
Nov	22	Revision and Mock Practice for Preboard 1 and 2	Revision	Revision	Revision	Revision	Revision	Revision	Revision	Revision	Revision
Dec	23	Revision and Mock Practice for Preboard 1 and 2	Revision and Mock Practice for Preboard 1 and 2	Revision and Mock Practice for Preboard 1 and 2	Revision and Mock Practice for Preboard 1 and 2	Revision and Mock Practice for Preboard 1 and 2	Revision and Mock Practice for Preboard 1 and 2	Revision and Mock Practice for Preboard 1 and 2	Revision and Mock Practice for Preboard 1 and 2	Revision and Mock Practice for Preboard 1 and 2	Revision and Mock Practice for Preboard 1 and 2
Jan		Revision and Mock Practice for Preboard 1 and 2	Revision and Mock Practice for Preboard 1 and 2	Revision and Mock Practice for Preboard 1 and 2	Revision and Mock Practice for Preboard 1 and 2	Revision and Mock Practice for Preboard 1 and 2	Revision and Mock Practice for Preboard 1 and 2	Revision and Mock Practice for Preboard 1 and 2	Revision and Mock Practice for Preboard 1 and 2	Revision and Mock Practice for Preboard 1 and 2	Revision and Mock Practice for Preboard 1 and 2
Feb											
March											

SUBJECT: GEOGRAPHY

Textbook: 1. NCERT TEXTBOOK [CONTEMPORARY INDIA II - X]

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	Ch-1: Resources and Development: i. Concept of Resource. ii. Development of Resources. iii. Resource Planning, Resource Planning in India. iv. Conservation of Resources. -Land Resources, Land Utilization, Land Use Pattern in India, Land Degradation and Conservation Measures. V. Soil as a Resource, Classification of Soil, Soil Erosion and Soil Conservation.	1. Acquisition of Knowledge: To enable the students to know about the type of resources such as natural, human-made and human resources, problems of over exploitation of resources, stages of resource planning in India, steps for conservation of resources, land use pattern in India, various causes of land degradation, steps for conservation of land resources, classification of soil their properties, economic significance, distribution, causes of soil erosion and steps for their conservation. 2. Development of Understanding: - To enable the students to understand about the concept of resource, problems of over exploitation of resources, need for resource planning, different stages of resource planning in India, need for conservation of resources, significance	-Resource. -Resource Development. -Sustainable Development. -Agenda 21. -Resource Planning. -Resource Conservation. -Land Degradation. -Soil Resource. -Soil Erosion.	i. Earth Day celebratio n in school. ii. Organizati on of Art and Painting Competiti on regarding Conservat ion of Resources in School. iii. Save the Planet Song (You Tube Link)	Economics: Sustainable Developme nt. Economics: Five Year Plan. Chemistry: Compositio n of Soil.	1. Make a project showing consumpti on and conservati on of resources in your locality. 2. Have a discussion in the class – how to conserve various resources used in your school. 3. Imagine if oil supplies get exhausted, how will this affect our lifestyle	-A documentary on ‘Save Soil Movement in India.’ -Folk Tale on Importance of Resources and their Conservation .	India- Major Soil Types.	Clarity of Concept through thought- provoking quizzing, critical thinking, logical reasoning, comprehendi ng, 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 type of resources such as natural, human-made and human resources, problems of over exploitation of resources, stages of resource planning in India, steps for conservation of resources, land use pattern in India, various causes of land degradation, steps for conservation of land resources, classification of soil their properties, economic significance, distribution, causes of soil erosion and steps for their conservation. *The students will be capable of

			of land resources, relative significance of varied relief features of the landmass in our country, various causes of land degradation, methods of conservation of land resources, importance of soil as a resource, formation of soil, characteristic properties of different types of soil found in India, causes of soil erosion and the methods of their conservation. 3. Development of Skill: To enable the students to develop the skill of locating and labelling features on the political outline map of India.							explaining about the concept of resource, problems of over exploitation of resources, need for resource planning, different stages of resource planning in India, need for conservation of resources, significance of land resources, relative significance of varied relief features of the landmass in our country, various causes of land degradation, methods of conservation of land resources, importance of soil as a resource, formation of soil, characteristic properties of different types of soil found in India, causes of soil erosion and the methods of their conservation. *The students will be able to develop the skills
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											of locating and labelling features on the on the political outline map of India.
May	08	CH-2 : Forest and Wildlife Resources: i. Biodiversity and its Significance. ii. Conservation of Forest and Wildlife in India. iii. Types and Distribution of Forest and Wildlife Resources. iv. Community and Conservation.	1. Acquisition of Knowledge: To enable the students to know about terms such as biosphere, ecosystem, biodiversity as well as steps for conservation of wildlife, types and distribution of forests, about various communities who are taking individual initiatives to protect and safeguard forests and wildlife. 2. Development of Understanding: - To enable the students to understand about the significance of biodiversity, need for the conservation of flora and fauna etc. 3. Development of Skill: To enable the students to develop the skill of locating and labelling major vegetation types and National Parks, Wildlife Sanctuaries, Bird Sanctuaries etc. on the political outline map of India.	-Vegetation -Wildlife -Biosphere -Ecosystem -Biodiversity -Natural Vegetation -Reserve and Protected Forests	i. Performan ce of Classical Dance regarding destructio n and Conservat ion of Forests and Wildlife during Earth Day, World Environm ental Day, World Wildlife Week, Vanomah otsava etc. ii. Organizati on of Art and Painting Competiti on regarding Conservat ion of Forest and Wildlife in School. -Save the Planet	Biology: Biodiversity . Civics: Community and Conservatio n. Biology: Food Chain and Food Web EVS: Ecological Balance	-Write a short essay on any practices which you may have observed and practiced in your everyday lives that conserve and protect the environm ent around you. -Collect more informati on on the wildlife sanctuari es and national parks of India and cite their locations on the	-A Documentar y on Mission Save Tiger. -Community Outreach activity to nearby Zoological Park and Botanical Garden. A Video on UNESCO Heritage Sites in India. -Community Outreach to Vivekanand Park at Chandankiya ri, City Park, and Bokaro Zoo. -A Video on Sunderbans.	-Types of Vegetation. - Conservatio n of Wildlife	Clarity of Concept through thought-provoking quizzing, critical thinking, logical reasoning, comprehendi ng, high order thinking, assertion and reasoning, picture-based learning, case- based, oral drilling etc	*The students will be able to know and learn about terms such as biosphere, ecosystem, biodiversity as well as steps for conservation of wildlife, types and distribution of forests, about various communities who are taking individual initiatives to protect and safeguard forests and wildlife. *The students will be capable of explaining about the significance of biodiversity, need for the conservation of flora and fauna etc. *The students will be able to develop the skills of locating and labelling major vegetation types and National Parks, Wildlife Sanctuaries, Bird

					Song		map of India.				Sanctuaries etc. on the political outline map of India.
June	14	<u>Ch -3 .Water Resources:</u> i. Water : Some facts and figures. ii. Water Scarcity and the Need for Water Conservation and Management. iii. Multi- Purpose River Projects and Integrated Water Resource Management. iv. Rainwater Harvesting.	<u>1. Acquisition of Knowledge:</u> To enable the students to know about the significance of water resources, availability of water on the planet earth, measures for the conservation and management of water, advantages and disadvantages of dams and multi-purpose projects, traditional methods of rainwater harvesting being carried out in various parts of our country. <u>2. Development of Understanding:</u> - To enable the students to understand about causes of water scarcity, need for conservation and management of water resources, limitation of multi-purpose river projects, advantages of rainwater harvesting, various methods of rainwater harvesting practices in our country. <u>3. Development of Skill:</u> To enable the students to develop the skill of	-Hydrological cycle. - Water Scarcity. -Multi-purpose River Project. -Rainwater Harvesting.	i. Prepare a poster about Traditional Rainwater Harvesting system and Modern Rainwater Harvesting Systems. ii. Chanting Slogans on Conservation of Water. iii. Water is for Life- World Water Day Song (You Tube Link) iv. This popular Bhadu song in the Damodar valley	Chemistry: Water Pollution. History: Hydraulic Structures in Ancient India. -History: Save Narmada Movement. -Economics: Economic Significance of Water.	Multiple Diverse Assessment Embedded in Classroom Pedagogy: Preparation of Poster on Traditional Methods of Rainwater Harvesting. -Collect picture and articles on ancient hydraulic structures . -Make an assignment on the different types of water harvesting structures used in ancient times.	-Community Outreach Activity to a nearby Dam. -A Video on Save Water. -A Documentary on Water Pollution.	Rainwater Harvesting	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 significance of water resources, availability of water on the planet earth, measures for the conservation and management of water, advantages and disadvantages of dams and multi-purpose projects, traditional methods of rainwater harvesting being carried out in various parts of our country. *The students will be capable of explaining about causes of water scarcity, need for conservation and management of water resources, limitation of multi-purpose river projects,	

			locating and labelling major dams on the political outline map of India.		region narrates the troubles faced by people owing to the flooding of Damodar River known as the river of sorrow.)						advantages of rainwater harvesting, various methods of rainwater harvesting practices in our country. *The students will be able to develop the skills of locating and labelling major dams on the political outline map of India.
July	26	Ch-4: Agriculture: i. Importance of Agriculture in the National Economy. ii. Types of Farming: Primitive Subsistence Farming, Intensive Subsistence Farming, Commercial Farming, Plantation Farming. iii. Cropping Pattern. iv. Major Crops. v. Food Crops other than Grains. vi. Horticulture Crops. -Non-food Crops. And Fibre Crops.	1. Acquisition of Knowledge: To enable the students to know about importance of agriculture in national economy, characteristics of types of farming and cropping pattern, major crops and reforms in agriculture. 2. Development of Understanding: - To enable the students to understand about the geographical conditions for the growth of crops, major causes for relative backwardness of Indian agriculture and the need for reforms in Indian agriculture.	-Agriculture, Horticulture, Sericulture, Pisciculture, Viticulture, Apiculture. - Subsistence Farming and Commercial Farming. -Primitive Subsistence Farming, Intensive Subsistence Farming, Plantation Farming, Cropping Pattern such as Kharif, Rabi and Zaid. -Green Revolution, White Revolution, Operation Flood, Gene Revolution.	i. Indian Festivals associated with the Harvesting Seasons. ii. -Folk Songs associated with Crops Harvest.	Economics: Agriculture is the Mainstay of the Indian Economy. Commerce: Commercial Farming. Civics: Legislative Reform in Indian Agriculture. Biology: Green Revolution and Gene Revolution.	-Draw bar diagram showing the trend of food grain production in India during last five years. Find out the reason of this trend. -Group discussion on the necessity of	-A Documentary on Agricultural Technology. -A Documentary on Regenerative Agriculture. -A documentary on Sustainable Agriculture.	Geographical Conditions required for the Growth of Major Crops.	. 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 importance of agriculture in national economy, characteristics of types of farming and cropping pattern, major crops and reforms in agriculture. *The students will be capable of explaining about the geographical conditions for the growth of crops, major causes for relative

		vii. Technological and Institutional Reforms.	<u>3. Development of Skill:</u> To enable the students to develop the skill of locating and labelling major and minor areas for the growth of Rice and Wheat as well as leading producing states of major crops on the political outline map of India.				literacy among farmers.				backwardness of Indian agriculture and the need for reforms in Indian agriculture. *The students will be able to develop the skills of locating and labelling major and minor areas for the growth of Rice and Wheat as well as leading producing states of major crops on the political outline map of India.
Aug	22	<u>Ch-5: Minerals and Energy Resources:</u> i. Significance of Minerals, What is a Mineral? ii. Mode of Occurrence of Minerals, iii. Types of minerals - Ferrous Minerals, Non-Ferrous Minerals. -Non-metallic Minerals, Rock Minerals, iv. Conservation of Minerals.	<u>1. Acquisition of Knowledge:</u> To enable the students to know about significance of minerals, concept of minerals, mineral ore, types of mining, classification of minerals, significance of ferrous and non-ferrous metallic minerals, non-metallic minerals, rock minerals and their distribution, need for energy, conventional and non-conventional sources of energy and their relative significance, various steps for	-Mineral. -Ore. -Mining. -Placer Deposits. -Ferrous and Non-Ferrous Minerals. -Conventional Sources of Energy. -Non-Conventional Sources of Energy.	This project will allow students to be creative with their stories as well as applying their understanding of the rock cycle, uses of rocks and minerals, and characteristics of rocks and minerals. Students will be	-Chemistry: Rocks and Minerals. -Chemistry: Physical and Chemical Properties of Minerals. -Economics: Economic Significance of Rocks and Minerals.	-Collect information about thermal/hydel power plants located in your state. Show them on the map of India. -Collect information about newly establish	-Community Outreach to Coal Mines at Phushro and Balidih in Bokaro. -A Video on Types of Mining. -A Video on Coal Fire Catastrophe at Jharia in Jharkhand.	Types of Mining. -Mode of occurrence of Minerals	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 significance of minerals, concept of minerals, mineral ore, types of mining, classification of minerals, significance of ferrous and non-ferrous metallic minerals, non-metallic minerals, rock minerals and their distribution,

		And Energy Resources, v. Sources of Energy. -Non-Conventional Sources of Energy, Conservation of Energy Resources.	conservation of mineral and energy resources. <u>2. Development of Understanding:</u> - To enable the students to understand about various mode of occurrence of minerals, limitation of conventional sources of energy, significance of non-conventional sources of energy, need for conservation of minerals and energy resources. <u>3. Development of Skill:</u> To enable the students to develop the skills of locating and labelling major metallic, non-metallic as well as energy minerals on the political outline map of India.		given the opportunity to present their story in a variety of ways including a comic strip, written story or a video.		ed solar power plants in India. -			need for energy, conventional and non-conventional sources of energy and their relative significance, various steps for conservation of mineral and energy resources. *The students will be capable of explaining about various mode of occurrence of minerals, limitation of conventional sources of energy, significance of non-conventional sources of energy, need for conservation of minerals and energy resources. The students will be able to develop the skills of locating and labelling major metallic, non-metallic as well as energy minerals on the political outline map of India.
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Sep	05	Chapter- Wise Revision Half Yearly Examination ----- (Term-I Examination will be conducted on Ch. No. 1, 2 and 3)										
Oct	13	<u>Ch-6:</u> <u>Manufacturing Industries:</u> i. Concept of Manufacturing, Importance of Manufacturing, Complementarity of Agriculture and Industry. ii. Industrial Location, Classification of Industries. -Agro-Based Industries. -Mineral-Based Industries, iii. Industrial Pollution and Environmental Degradation. <u>Ch-7:</u> <u>Lifelines of National Economy:</u> <u>MAP WORKS:</u> Golden Quadrilateral, National Highways -North-South and East-West Corridor. -Sea Ports and Airports.	<u>1. Acquisition of Knowledge:</u> To enable the students to know about concept of manufacturing, importance of manufacturing, factors of industrial location, classification of industries, relative significance of agro-based and mineral-based industries, distribution of major agro-based and mineral-based industries, types of industrial pollution, measures to minimise environmental degradation caused by industries. <u>2. Development of Understanding:</u> - To enable the students to understand about complementarity of agriculture and industry, significance of higher degree of efficiency and competitiveness of industrial products in the present day world of globalisation and liberalisation, favourable locational factors for cotton textile, jute textile, sugar industry, iron and steel industry, aluminium industry,	-Manufacturing Industry. -Basic Industry. -Integrated Steel Plant. -Mini Steel Plant. -Software Technology Park.	i. Preparation of Collage on Major Industries in India. ii. Slogan to Control Pollution caused by industries.	-Chemistry: Industrial Pollution. -Economics: economic Significance of Manufacturing Industries. -Economics: Industry-Market Linkage. - Information Technology: Software Technology Park	Activity-1: Classify the following into two groups on the basis of bulk and weight of raw material and finished goods. (i) Oil (vi) Sewing Machines (ii) Knitting needles (vii) Shipbuilding (iii) Brassware (viii) Electric Bulbs (iv) Fuse wires (ix) Paint brushes , Watches (x) Automobiles. Activity-	-A Documentary on Industrial Pollution. -Community Outreach Programme to Bokaro Steel Plant, Sudha Dairy. -A Documentary on Industrial Disasters. -A Video on “How Do They Do It?”	- Industrial Pollution and Environmental Degradation. 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 concept of manufacturing, importance of manufacturing, factors of industrial location, classification of industries, relative significance of agro-based and mineral-based industries, distribution of major agro-based and mineral-based industries, types of industrial pollution, measures to minimise environmental degradation caused by industries. *The students will be capable of explaining about complementarity of agriculture and industry, significance of higher degree of efficiency and competitiveness of industrial products in the		

			chemical industry, cement and fertilizer industries, automobile industry, IT and electronic industries, causes of industrial pollution etc. <u>3. Development of Skill:</u> To enable the students to develop the skills of locating and labelling major cotton textile, jute textile, woollen textile industries, iron and steel industries and software technology parks on the political outline map of India. <u>Development of Skill:</u> To enable the students to develop the skills of map work.				2: Where would it be economically viable to set up the cement manufacturing units?			present day world of globalisation and liberalisation, favourable locational factors for cotton textile, jute textile, sugar industry, iron and steel industry, aluminium industry, chemical industry, cement and fertilizer industries, automobile industry, IT and electronic industries, causes of industrial pollution etc. The students will be able to develop the skills of locating and labelling major cotton textile, jute textile, woollen textile industries, iron and steel industries and software technology parks on the political outline map of India.
Nov	22	Revision of Pre-Board (I&II) & Board Examination								

Dec	23	Revision of Pre-Board (I&II) & Board Examination									
Jan	16	Revision of Pre-Board (I&II) & Board Examination									
Feb											
March											

SUBJECT : ECONOMICS [Social Science]

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

Month	WD	Chapter/ Sub-Topics	Learning Objectives	Key Terms and Concept	Art Integration	Inclusive Teaching/ Subject Integrati on	Project / Practical	Research Work Blended Learning	Smart Board Activity	Competency Based Activity Learning	Learning Outcomes
April	24	1.Development Concept of Development Different People, different Goals Four indicators of national developments Public Facilities Comparison of Development amongst states and Countries Human Development Index (HDI) Sustainable Development	1.Acquisition of knowledge: To enable students to understand various aspects of development To understand that people have different perspectives. 2.Development of understanding To know the ways by which the students can arrive at common indicators of development. 3.Development of skills To analyze development using quantitative and qualitative	Aspects of development Indicators of development Per capita income Literacy rate Infant mortality rate Net attendance ratio Gross enrollment ratio Life expectancy HDI, UNDP	Poster Making	Concept of Development Different People, different Goals Four indicators of national developments Public Facilities Development comparison amongst states and countries to be integrated	Choose a community: The first step is to choose a community to focus on. The community can be a neighborhood, a town, or a city. Research: Students will research the community to gather data on its demographics, economy, infrastructure, environment, and	PPT	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

			indicators to enable better understanding of the theme discussed by learning the learners closer to the real-life situation.			ed with concept of demographic indication under Geography subject	social issues. They can gather information from local government websites, census data, and community surveys.				
May	08	2. Sectors of the Indian Economy: •Sectors of Economic Activities Comparing the three sectors	1.Acquisition of knowledge: To understand the concept of sectors of economic activities 2.Development of understanding: To compare and contrast the three sectors of the Indian economy (primary, secondary, and tertiary)	Contribution to GDP Employment: Productivity: Growth potential:. Income generation:. Infrastructure requirements: Primary Sector: This sector includes activities related to agriculture, mining, forestry, fishing, and livestock. Secondary Sector:;, construction, and processing of raw materials Tertiary Sector: This sector includes activities related to services such as banking,	Create a visual representation: Ask students to create a visual representation of the three sectors of the Indian economy - primary, secondary, and tertiary. This could be in the form of a poster, a painting, or a digital graphic. Students can use colors and		Data Collection: Students can collect data on the output, income, and employment of each sector in different regions of India. They can also collect data on the challenges faced by each sector, such as lack of	PPT	Revision and Quiz	Q & A LOA	Students will be able to describe the primary, secondary, and tertiary sectors of the Indian economy Students will be able to identify the major industries and activities in each sector Students will be able to analyze the trends and changes in the contribution of each sector to the Indian economy over time

				insurance, transportation, communication, healthcare, education, and tourism. It provides support to the primary and secondary sectors and contributes to the overall development of the economy.	symbols to represent each sector and include key information such as the percentage of the workforce employed in each sector.		infrastructure, inadequate funding, and outdated technology.				
June	14	- Primary, Secondary and Tertiary Sectors in India - Division of sectors as organized and unorganized Sectors in terms of ownership: Public and Private Sectors	3.Development of skills To analyze the contribution of each sector to the Indian economy 2.Development of understanding: To differentiate between organized and unorganized sectors in India To understand the concept of public and private sectors and their role in the Indian economy 3.Development of skills To identify major	Contribution to GDP Employment: Productivity: Growth potential:. Income generation:. Infrastructure requirements: Primary Sector: This sector includes activities related to agriculture, mining, forestry, fishing, and livestock. Secondary Sector:., construction, and processing of raw materials Tertiary Sector:		Primary , Secondary and Tertiary Sectors in India Division of sectors as organized and unorganized Sectors in terms of ownership: Public and Private		PPT	Revision and Quiz	Q & A LOA	Students will be able to explain the differences between organized and unorganized sectors in India and their importance Students will be able to describe the role and significance of the public and private sectors in the Indian economy Students will be able to evaluate the strengths and

			employment generating sectors . • To figure out the reason out the government investment in different sectors of economy.	This sector includes activities related to services such as banking, insurance, transportation, communication, healthcare, education, and tourism.		Sector to be integrated with Geography					weaknesses of the Indian economy in terms of sectoral distribution and ownership
July	26	3. Money and Credit: • Money as a medium of exchange • Modern forms of Money • Loan activities of Banks • Two different Credit situations • Terms of Credit • Formal Sector Credit in India • Self Help Groups for the Poor	1.Acquisition of knowledge: To understand the concept of money as a medium of exchange and its importance in an economy. 2.Development of understanding: To explore the modern forms of money such as digital currency, debit and credit cards, e-wallets, and cryptocurrencies 3.Development of skills To examine the loan activities of banks and how they create money through the process of credit creation. To distinguish between two different credit	Barter system, Double coincidence of wants,cheque, collateral,terms of credit,	Infographics: Create infographics that explain concepts such as credit scores, interest rates, and budgeting . Use visually appealing graphics and colors to make the information easy to understand and memorable.	• Money as a medium of exchange To be integrated with the concept of History	Financial Literacy Education : Students could create educational materials, such as videos, infographics, or presentations, to teach others about basic financial concepts such as budgeting , credit, and investing. They could target	PPT	Revision and Quiz	Q & A LOA	Students will be able to understand money as a medium of exchange: Students should be able to define money and its role as a medium of exchange. They should understand how money facilitates transactions and trade. Students will be able to understand modern forms of money: Students should be able to differentiate between different forms

			situations – secured and unsecured credit, and how they affect borrowers and lenders. To understand the terms of credit, such as interest rates, collateral, and repayment period. To learn the concept of formal sector credit in India, including the role of Reserve Bank of India (RBI) and commercial banks in providing credit to different sectors of the economy. To analyze the concept of Self Help Groups (SHGs) for the poor, their structure, and the benefits they provide to their members.				their materials to specific audiences , such as high school students or young adults just starting out on their own.			of modern money, such as cash, digital currencies, and credit cards. They should also understand the advantages and disadvantages of each form of money. Students will be able to understand loan activities of banks: Students should be able to understand how banks function as financial intermediaries and provide loans to individuals and businesses. They should understand the risks and benefits associated with borrowing and lending. Students will
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											be able to understand two different credit situations: Students should be able to differentiate between two different credit situations - formal credit and informal credit. They should understand the advantages and disadvantages of each type of credit. Students will be able to understand terms of credit: Students should be able to define the terms of credit, including interest rates, collateral, and repayment schedules. They should understand how these
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											terms affect borrowing and lending. Students will be able to understand formal sector credit in India: Students should be able to understand the formal sector credit system in India, including the role of banks, microfinance institutions, and other financial intermediaries. They should understand the advantages and challenges associated with formal sector credit in India. Students will be able to understand self-help groups for the poor: Students should be able to understand the concept of self-help groups and
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											their role in providing microfinance services to the poor. They should understand how self-help groups operate and the benefits they provide to their members.
Aug	22	4.Globalization and the Indian Economy: • Production across countries • Interlinking production across countries • Foreign Trade and integration of markets • What is Globalization?	1.Acquisition of knowledge: To understand the concept of Globalization: Globalization is the process of integration and interdependence among economies, societies, and cultures around the world. It involves the increasing interconnectedness of people, businesses, and governments across national borders.	MNCs, investment, FDI, FII, trade barrier, SEZ, EEZ,	Visual art: Visual art can be a great medium to depict the effects of globalization on Indian culture. For example, a series of paintings or drawings can be created to show the changes in traditional Indian dress, food, and	Production across countries • Interlinking production across countries • Foreign Trade and integration of markets To be integrated with the concept of geography	Study the impact of globalization on Indian politics: The student could research how globalization has influenced the political landscape in India. They could examine the rise of political parties and movements that are	PPT	Revision and Quiz	Q & A LOA	Students will be able to understand: the concept of Globalization: Globalization is the process of integration and interdependence among economies, societies, and cultures around the world. It involves the increasing interconnectedness of people, businesses, and governments across national borders.

			Globalization on the Indian Economy: Globalization has had a significant impact on the Indian economy, particularly since the 1990s when the government initiated economic reforms to open up the economy to foreign investment and trade. This has led to increased foreign investment, greater integration with the global economy, and a shift towards a more market-oriented economy. 3.Development of skills To understand the interlinking of production across countries: Globalization has led to the		architecture due to globalization.	hy	opposed to globalization, as well as the impact of globalization on issues like environmental regulation and labor rights.				Students will be able to understand the impact of Globalization on the Indian Economy: Globalization has had a significant impact on the Indian economy, particularly since the 1990s when the government initiated economic reforms to open up the economy to foreign investment and trade. This has led to increased foreign investment, greater integration with the global economy, and a shift towards a more market-oriented economy.
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			emergence of global supply chains and the interlinking of production processes across different countries. This has enabled firms to access inputs and markets from around the world, leading to greater efficiency and productivity.								Understanding the interlinking of production across countries: Globalization has led to the emergence of global supply chains and the interlinking of production processes across different countries. This has enabled firms to access inputs and markets from around the world, leading to greater efficiency and productivity.
Sept	05	REVISION FOR THE EXAM									
Oct	16	Factors that have enabled Globalization • World Trade Organization • Impact of Globalization in India • The Struggle for a fair Globalization	1.Acquisition of knowledge: To understand the role of foreign trade and integration of markets: Globalization has led to the integration of markets and increased trade between	WTO, FTA, Trade barrier SEZ, EEZ				NA	Revision and Quiz	Q & A LOA	Students will be able to understand the role of foreign trade and integration of markets: Globalization has led to the integration of markets and increased trade between countries. This

			countries. This has created new opportunities for firms to access larger markets and benefit from economies of scale. It has also led to greater competition, which has forced firms to become more efficient and innovative. 2.Development of understanding To understand the challenges and opportunities of Globalization: While Globalization has brought many benefits to the Indian economy, it has also created challenges, such as increased inequality and environmental degradation. It is important to understand these challenges and develop policies to							has created new opportunities for firms to access larger markets and benefit from economies of scale. It has also led to greater competition, which has forced firms to become more efficient and innovative. Students will be able to understand the challenges and opportunities of Globalization: While Globalization has brought many benefits to the Indian economy, it has also created challenges, such as increased inequality and environmental degradation. It is important to understand these challenges and develop policies to address them while maximizing the benefits of Globalization
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			address them while maximizing the benefits of Globalization.								
Nov	22	REVISION FOR THE PRE- BOARD EXAMINATION									
Dec	23										
Jan	16	N.A.									
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:- - Types of communication - Elements of communications - Factors Affecting communication at the Workplace. - Communication barriers Part B : Unit – 1 Revisiting AI Project Cycle & Ethical Framework for AI:- - AI Project Cycle	Students will learn about the best way to communicate and how to handle any barriers if it occurs. Students will revise project cycle stages and Domains of AI.	- Communication and its types 7C's of effective communication - Communication barriers - Stages of project cycle - Domains of AI	1. Make a Comic book on “Autobots” and show how autoboots are communicating . Use verbal communication to show the messages and paste images of autoboots. 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. Identify the real life examples of domains of AI.	- Topics to be clear via PPT. - List out the various examples of communication that you can notice around you in daily life. - Examples of AI domains	LOA, Quiz, PPT	- Various sign boards to discussed - Types of various communication - Mobiles applications which uses AI	Students will be able to identify various types of communication and able to handle barriers of communication. Students will be able to answer about domains and applications of AI.

		- AI Domains - Ethical Framework for AI									
May	08	Part A: Unit-2 Self-management skills:- - Meaning and Importance of Stress Management - Stress Management Technique Self-confidence and positive thinking. - Personal hygiene and self-grooming.	Students will learn about the best practices of self management.	- Definition - Stress Management - Self-confidence - Personal Hygiene - Grooming	Make a poster on Yoga which will explain how yoga is helpful in releasing stress.	Every student should learn the self management skills which will help them in time management and improve their personality.	Identify the various causes of stress and what is the best practice to handle it.	- Topics to be clear via PPT. - List out the best practices of stress management techniques.	LOA, Quiz, PPT	Skills using which students can succeed academically and personally. These skills include time management, goal setting	Students will be able to identify various self management techniques.
June	14	PART: B Unit 7: Advance python: - Introduction to Python jupyter - Python packages - Basic python programs - Python built in functions Part -A Unit-3: ICT Skills: - Role and important of ICT - Computer basics & Input, Output and Storage System - Peripheral Devices & their Uses	Students focus on building foundational programming skills, logical thinking, and an understanding of python programming.	- Keywords - Identifiers - Tokens - Variable name rule	Create a poster on IPO Cycle using real life example.	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.	Identify the various logic for a particular code and how to handle error if any.	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 2 –	Students should be	Models of AI	Make a project where	Inclusive teaching on	Identify the algorithm	Recommended Activity:	LOA, Quiz PPT	AI Reflection focuses on	Understanding AI

		Advance concept of Modelling in AI:- - Understanding AI, ML and DL - Supervised and Unsupervised learning - Neural network Part -A Unit-4: Green Skills:- - Introduction - Sustainable development	familiarized with supervised and unsupervised learning and how does AI work.	- Machine learning - Deep learning	we can differentiate between AI, ML, and DL	how AI takes decision.	used by AI to take decisions.	Supervised Learning https://teachablenmachine.wit hgoogle.com		learners actively reflecting on the impact and potential consequences of AI systems and technologies.	Model Concepts and learning.
Aug	22	PART: B Unit 3 – Evaluating Models:- - Role of evaluation in development - Understand accuracy and error Part -A Unit-4: Entrepreneur Skills:- - Introduction - Qualities and functions of an entrepreneur - How it help society	Students should be aware about the job of an entrepreneur and how they help society.	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	05	Project work and Revision									
Oct	13	PART : B	Data literacy is an essential	Data in computing	-	Inclusive teaching in	-	-	LOA, Quiz	Data literacy focuses on	Underst anding

		Unit 2- Data Literacy •Introduction to Data Literacy •Impact of Data Literacy •How to become Data Literacy	skill for students in today's data-driven world. It equips them with the ability to collect, analyze, interpret, and communicate data effectively.	• Data vs Information • DIKW Model		data literacy involves ensuring that all students, regardless of their backgrounds, abilities, or learning styles.			PPT	equipping learners with the ability to understand, interpret, and work with data effectively in various contexts.	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	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	—	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	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

					using old plastic bottle.	environmental sustainability		Map).			and Innovations
Jan	16	Part A: Entrepreneurial Skills: Introduction Myths of Entrepreneur Advantages and Disadvantages of Entrepreneurship Types and Fields of Entrepreneurship.	Entrepreneurial skills are essential for students to understand as they prepare for future careers, whether they choose to start their own businesses or work within an organization.	Entrepreneurship, Myths of Entrepreneurship.	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 the knowledge, tools, and support needed to develop entrepreneurial competencies.	Make a project on “Entrepreneur and Society”. Write all the possible things that an entrepreneur is doing for the society and how they are involved.	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 mindset necessary for successful entrepreneurship.	Understanding Entrepreneurship and the Business Environment Developing a Business Idea and Innovation
Feb		Revision									
March											

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 “Hoga Kal Sunehra”	Knowing About the following	Concept About - Kahrwa Taal with Different variations - Hand movements during singing	Use of Musical notes which changes the mood of the song	Teaching prayog of Komal Gandhar to Set the tone of the song	Similar Songs which Use the same Swar	Finding out the musical note which changes the mood of the song	NO	NO	Children will Know About the following
May	08		1. Use of Beats to refrom a taal 2. Use of hand movements to sing 3. Difference between komal and suddha swar 4. How to sing in high pitch Song								5. Use of Beats to refrom a taal 6. Use of hand movements to sing 7. Difference between komal and suddha swar 8. How to sing in high pitch

											Song
June	14										
July	26	Raag “ Bageshree ” Discription, Aaroh, Avroh & Bandish	Practice of small alnkars Using Komal NI and Komal Ga Effortlessly singing Raag Swars and useage as Sargams	Concept About • Teental Along with Bandish • Taali, Khali, Bibhag and other concepts in taal	Song “Ayo Sharan Taki”	Usage of Swar komal NI and Ga, NI sangati Properly	Creating Taan with Jumble Funny Activity	NO	NO	Playing notes in Haronium and understanding the Tune	Children will get to know small alnkars Using Komal NI and komal GA Effortlessly singing Raag Swars and useage as Sargams
Aug	22	Song for teachers “ Shukriya Shukriya ”	Knowing to sing in Different Patterns of Same taal. Knowing About expressing gratitude towrds teaches	Knowing About the follwing 1. Indo - western Beats 2. Collaboration between indian Classical music and western music	Usage of different sargams during singing	Blending Saragam s 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	Teachin g 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 “ Deck The halls ”	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 differenc e 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 Almanc	Knowing about the	Concept About	By singing	Inclusive	Similar	Finding out	NO	NO	Children will

		“Hamre Khoon me watan”	following • Use of Tune which Needs in composing Patriotic Song • Enhancing Ability of Composing	• Kaharwa & Dadra taal • How to westernize the taal	Knwoing the difference between komal and suddh swar	ly teaching about raag desh and using swar of this Raag	Songs which Use the same Swar	the musical note which changes the mood of the song			know about the following Use of Tune which Needs in composing Patriotic Song Enhancing Ability of Composing
Feb		Term II EXAMINATION									
Mar		Revision “All Songs”									

SUBJECT: HEALTH AND PHYSICAL EDUCATION (CODE NO. 412)

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	1. INTRODUCTION / PREAMBLE 1.1 Rationale 1.2 Overall Objectives of Health and Physical Education 1.3 Mainstreaming HPE	• To enable students to understand various aspect of Physical Education • To understand that people have different perspectives. • To know the ways by which the students can arrive at common indicators of development. • Analyzing development using quantitative and qualitative indicators to enable better understanding of the theme	• Preambles • Objectives • Physical Education	Ground Marking, Poster Making.	Question bank of topics.	Diagram making of fields.	Student will find out the various definitions of HPE	Revision and Quiz	• Q & A • LOA	• Students will be able to understand various aspects of Physical Education t. • Students will be able to know objectives of HPE. • Student will be able to differentiate quantitative & qualitative measures of

			discussed by learning the learners closer to the real-life situation.								comparison
May	08	2. <u>FOUR STRAND</u> 2.1 Introduction 2.2 The Objectives	- To enable students to understand about four strand. - To understand that people have different perspectives. - To know the ways by which the students can arrive at common indicators of development. - To analyze development using quantitative and qualitative indicators - To enable better understanding of the theme discussed by learning the learners closer to the real-life situation.	Strands Objectives Procedure & Benefits .	Yoga chart making by students	Question bank of topics.	Practical file making.	NA	Revision and Quiz	- Q & A - LOA	- Students will be able to understand about four strand. - Students will be able to identify various indicators of development. Student will be able to differentiate them
June	14	3. <u>GAMES / SPORTS</u> 3.1 Athletics or Swimming 3.2 Team Games 3.3 Adventure Sports	To enable students to understand various aspects of skill development. Of swimming.	Team Games Special Olympics, Paralympics, Deaflympics	Chart making of all Adventure Sports .	Question bank of topics.	Practical file making.	NA	Revision and Quiz	- Q & A - LOA	Students will be able to understand various aspects of Adventure Sports.

		<u>4. HEALTH AND FITNESS</u>	• To understand that people have different perspectives. • To know the ways by which the students can arrive at common indicators of development. • To analyze development using quantitative and qualitative indicators to enable better understanding of the theme discussed by learning the learners closer to the real-life situation.							Students will be able to identify various Adventure • Sports. • Student will be able to differentiate quantitative & qualitative measures of comparison
July	26	<u>5. 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 5.5 The learning outcomes expected to be developed and fostered through participation in	• To enable students to understand various aspects & objectives of SEWA • To understand that people have different perspectives. • To know the ways by which the students can arrive at common indicators of development.	Concept of SEWA Fitness test.	Making of diet chart of different age group. Picture chart making of fitness	Question bank of topics.	Practical file making.	NA	Revision and Quiz	• Q & A • LOA • Students will be able to understand objectives of SEWA • Students will be able to identify various indicators of development. • Student will be able to

		SEWA are experiential. 5.6 Guidelines for Schools 5.7 Guidelines for Students 5.8 What forms of social Empowerment Activity?	To analyze development using quantitative and qualitative indicators to enable better understanding of the theme discussed by learning the learners closer to the real-life situation.		test.						differentiate quantitative & qualitative measures of comparison.
Aug	22	<u>5. SEWA (SOCIAL EMPOWERMENT THROUGH WORK EDUCATION AND ACTION)</u> 5.9 Activities Complying with SEWA criteria. 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	- To enable students to understand various aspects of development. - To understand that people have different perspectives. - To know the ways by which the students can arrive at common indicators of development. - To analyze development using quantitative and qualitative indicators to enable better understanding of the theme discussed by learning the learners closer to the real-life situation.	Empowerment. Components of physical fitness, Effect of exercise on SPORTS INJURIES	Making of sports injuries Chart.	Question bank of topics.	Practical file making.	NA	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.

		5.17 Assessment and Evaluation 5.18 Exemplar Projects under Social Empowerment sub - strand of SEWA									
Sept	05	REVISIONS & CHAPTERWISE TEST TERM - I									
Oct	13	<u>6. HEALTH AND ACTIVITY RECORD</u> <u>7. TRANSACTIONAL STRATEGIES FOR THE STRANDS OF HPE</u> <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>	- To enable students to understand various aspects of Health and Activities. - To enable students to understand Transactional Strategies of Physical Education. - To understand that people have different perspectives of assessment. - To know the ways by which the students can arrive at common indicators of development. - To analyze development using quantitative and qualitative indicators to enable better understanding of	<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.	Question bank of topics.	Practical file making.	NA	Revision and Quiz	- Q & A - LOA	- Students will be able to understand various aspects of Health and Activities - Students will be able to understand Transactional Strategies of Physical Education. - Students will be able to identify various indicators of development. - Student will be able to differentiate quantitative

			the theme discussed by learning the learners closer to the real-life situation.								& qualitative measures of comparison
Nov	22	REVISIONS & CHAPTERWISE TEST									
Dec	23	REVISIONS & CHAPTERWISE TEST									
Jan	16	REVISIONS & CHAPTERWISE TEST									
Feb		REVISIONS & CHAPTERWISE TEST TERM - II									

Subject: INSTRUMENT (Music)

Month	W. D.	Chapter/ Topic	Learning Objectives	Key Terms and Concept	Art Integration Topics	Inclusive Teaching	Project / Practical Work	Research Work Blended Learning	Smart Board Activity	Competency Based Activity/ Learning Outcomes	Learning Outcomes
April	24	Ten Verna of Tabla, Hasta sadhan bol	To inculcate knowledge about different Verna.	To inculcate knowledge about different Verna.	Number Counting.	Number Counting.	Verna Practice.	Count with finger.	NO	Students will come to know about Verna Parichay.	Students will come to know about Verna Parichay.
May	08	Taal parichay Tibra, sultaal, dipchandi	To inculcate knowledge about different Theka.	To inculcate knowledge about different Theka.	Number Counting.	Number Counting.	Theka Practice.	Count with Tali.	NO	Students will come to know about taal Parichay Tibra, sultaal, dipchandi .	Students will come to know about taal Parichay Tibra, sultaal, dipchandi .
June	14	Theka practice	To improve hand practice.	To improve hand	Taal Counting.	Taal Counting.	Knowledge for different	Count with Tali & Khali.	NO	Students will learn	Students will learn

		about taal taal and congo		practice.			rhythm			about Naal and Congo practice	about Naal and Congo practice
July	26	Jhaptaal kaida, Palta and Tihai	To inculcate knowledge about Kaida, Palta, & Tehai.	To inculcate knowledge about Kaida, Palta, & Tehai.	Forward & Back-word counting.	Forward & Back-word counting.	Skill development .	Count with Tali & Khali.	NO	They will learn about Kaida, Palta & Tihai.	They will learn about Kaida, Palta & Tihai.
Aug	22	Jhaptaal rela with palta, vistar and tehai.	To improve knowledge about this Taal.	To improve knowledge about this Taal.	Vocal music.	Vocal music.	Project taal padhyati chart	Tali Counting in Taal.	NO	They will come to know about Theka of Jhaptaal.	They will come to know about Theka of Jhaptaal.
Sept	05	Revision Practice & Term - I Examination.									
Oct	13	Rupaktaal kayda with palta and tehai	Practice of rupak taal.	Practice of rupak taal.	Play with light song	Play with light song	Skill Developmen t	Coordination with Vocal music.	NO	They will learn Rupaktaal kayda with palta and tehai	They will learn Rupaktaal kayda with palta and tehai
Nov	22	Rupak taal tukra and chakradhar observation concentration and theka practice continue	To improve knowledge about different tukra and chakradhar.	To improve knowledge about different tukra and chakradhar.	Play with classical song	Play with classical song	Skill Developmen t	Hand counting in chakradhar and tukra.	NO	They will come to know about Rupak taal tukra and chakradhar	They will come to know about Rupak taal tukra and chakradhar
Dec	23	Theka practice of folk beats and theka practice of western beats	To inculcate knowledge about beats	To inculcate knowledge about beats	Folk Dance & Western music.	Folk Dance & Western music.	Aiesthetic sense	Tali counting in western beats.	NO	Students will learn Folk & Western beats.	Students will learn Folk & Western beats.
Jan	16	Sequence of table solo	To improve perfection	To improve perfection	Perform Tabla in	Perform Tabla in	Life sketch of any	Hand Coordination	NO	They will improve	They will improve

		performance and knowledge of accompaniment.			stage	stage	western musician			their performance .	their performance.
Feb		Revision & Assignment , Term - II Examination									
March		Bridge classes with Kaharwa and Dadra taal									

SUBJECT : DANCE

Month	WD / NOP	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	Creative Dance (Ganesh Vandana)	Lord Ganesha's narration is explain to the students.	Making of Lord Ganesha's mask.	Lord's Ganesha life history	Lord's Ganesha life history	Integrate with mythology and Art.	NO	NO	Making of Lord Ganesha's mask.	
MAY	08					Revision				Revision	
JUNE	14	Defend folk dances of India(Theory).	To know about the diverse culture of India.	Write (with diagram)about these folk dances.	List the rituals of that particular region.	List the rituals of that particular region.	Indian political map pointing with the dance names.	NO	NO	Write (with diagram)about these folk dances.	
JULY	26	Festival Dance	Knowledge about the different festivals of India.	Writing of the special rituals of festival.	Rituals of the festival	Rituals of the festival	Integrate with SST.	NO	NO	Writing of the special rituals of festival.	
AUG	22	Creative dance on Bharatnatyam	The meaning of earth	Earth salutation defination and	Find out the other	Find out the other	Integrate with	NO	NO		

		pranam	salutation.	its origin	cummunal greeting ways	cummunal greeting ways	history.				
SEPT	05										
OCT	13	Guruvandana	To understand the importance of Guru in performing art.	Learn the meaning and write down its lyrics as well.	Learn the importanc e of Gurukul	Learn the importan ce of Gurukul	Integrate with Sanskrit	NO	NO		
NOV	22	Shiv tandava	Shiv salutation	Understand and revision of shiv strotram	Shiva chants	Shiva chants	Integrate with Instrumen ts.	NO			
DEC	23	Guruvandana	To understand the importance of Guru in performing art.	Learn the meaning and write down its lyrics as well.		Learn the importan ce of Gurukul	Integrate with Sanskrit	NO	NO		
JAN	16	tandava	salutation	Understand and revision of strotram			Integrate with Instrumen ts.	NO	NO		
FEB											

SUBJECT : GENERAL KNOWLEDGE**TEXT BOOK : Upkar's General Knowledge**

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