

ACADEMIC PLANNING

2026-27



ENGLISH

MONTH	UNIT / TOPICS	Activities (Chapter-wise)	Hands-on Learning / Map Work / Project works	Art integrated Learning
APRIL	Prose (Flamin go) The Last Lesson Prose(Vistas) - The Third Level Poetry-My Mother at Sixty Six Writing – Notice Writing	Linguistic Heritage Portfolio: Research the history of your native language. Document its origin, evolution, major literary works, and current status. Include a section on how you would feel if you were suddenly banned from speaking it. Modern Stress vs. Escapism Survey: Design a questionnaire for peers or adults regarding modern stressors. Analyze how people "escape" today (e.g., social media, gaming, hobbies) versus Charley's stamp collecting and time travel. Present the data using charts. Visit a local old age home or interview elderly family members. Document their daily routines, emotional needs, and feelings of	1. The Last Lesson ·Classroom Role Play ·Recreate the classroom scene in simple dialogue. ·Map Work : Locate France, Alsace, Lorraine and Germany. ·Project Work : The importance of language, identity and patriotism. 2. The Third Level ·Create "The Third Level". ·Timeline Activity (Sequencing of Story). ·Map Work : Locate New York City Grand Central Terminal Galesburg Project on: Escapism Imagination Nostalgia 3. My Mother at Sixty-Six Role Play ·Emotional Wheel (Love, Anxiety, Fear, Sadness, etc.) ·Map Work : Locate the poet's home state, Kerala, and Kochi. ·Project Work:	The Last Lesson ·Poster Making ·Save our Mother Tongue The Third Level Activity: Design a Poster Theme : Escape from Stress to a Peaceful World My Mother at Sixty Six Task : Design an emotional wheel showing the poet's feelings, such as love, fear, concern, affection, etc.

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		isolation. Write are flective essay on youth's responsibility towards the elderly. Create a step-by- step visual poster detailing the mandatory elements of a CBSE-format notice (the box, organization name, date, heading, body, signature, and designation).	Ageing Love and the bond between mother and child Themes of the poem Poetic Devices Character Sketch	
MAY	Prose (Flamingo)– Lost Spring: stories of stolen childhood Writing – Formal / Informal Invitation	Intra-Class Debate- 'Education is the only remedy to poverty.'	Lost Spring: Poster Making & Infographic Design—Theme Say: "No to Child Labour" (p. 4)	1. Lost Spring Activities: Garbage to Treasure Role Play Awareness Poster. Map Work: Locate Seemapuri, Firozabad, Dhaka, Delhi . Project Work : "Child Labour: A Challenge to Humanity". Creative Addition: "If I were in Saheb's Place" . Poster Making Infographic Design on Child Labour
		PT - 1		

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JUNE	Prose (Vistas) -The Tiger King Poetry-Keeping Quiet	Create a comparative visual or text-based portfolio focusing on Saheb-e-Alam and Mukesh. Contrast their actual living conditions with their deep desires (playing lawn tennis or driving a motor car). Create a historical report tracing the near-extinction of tigers in India due to royal hunting during the colonial era. Parallel this with the success of modern conservation efforts like Project Tiger initiated by the government. Create a digital presentation or poster on what Neruda calls "wars with gas, wars with fire". Identify three major modern environmental crises caused by human greed and propose how "exotic moments" of reflection can lead to eco-friendly choices.	The Tiger King: Poster Writing—Theme:"Save Tigers, Save Nature" Map- Locate South America, Pacific Ocean Project–Silence, Peace and Nature	The Tiger King Activities : The Royal Court Role Play Mock Press Conference. Map Work: Locate Tiger Reserves in Karnataka, Madhya Pradesh, Uttarakhand, West Bengal. Project Work: Tiger Conservation and Wildlife. Poster Making ·Save Tiger ·Save Nature Keeping Quiet Activity One Minute of Silence

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JULY	Prose (Flamingo)– Deep Water Prose (Vistas) - Journey to the End of the Earth Poetry-A Thing of Beauty Writing – Letter Writing (Application for job, letter to the Editor)	Share motivational videos on over coming fear, power of determination. Hold a discussion on 'Fear is a state of mind.' Infographic 'Antarctica' Write an original poem, a short story, or a descriptive essay titled "My Fountain of Immortal Drink." Focus on a single personal experience, a person, or a specific place that permanently removes the "pall of despondence" from your life whenever you think of it.	Deep Water Activities : Fear Reflection Understand Fear and Courage Interview Acting (one student acting as William O. Douglas and others as journalists). Map Work: Locate Washington, Yakima River, Cascade Mountain. Project Work: From Fear to Courage Step-wise summary of Deep Water. Journey to the End of the Earth Activities : Antarctica Exploration Box Ice Melting Experiment Climate Timeline. Map Work: Locate Antarctica, Southern Ocean, South Pole, Australia. Project Work: Travel Brochure of "Journey to the End of the Earth". 3. A Thing of Beauty Activities : Beauty Collage. Map Work: Locate Himalayas, Ganga, Thar Desert, Major Mountains. Project Work: Beauty Around Me Save Nature Campaign.	Deep Water : Poster Writing —Theme : "Facey our Fears" Journey to the End Poster Writing ·Save Antarctica ·Save the Earth A Thing of Beauty Joy Forever Art on Nature such as Trees, Rivers, Streams, Sun, Daffodils.

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PT - 2				
AUGUST	Prose – (Flamingo) – The Rattrap, Indigo Prose (Vistas) -The Enemy Poetry-Revision Writing – Article Writing	Write an analytical essay expanding on the peddler's philosophy that the entire world is a giant rattrap. Identify five modern "baits" (e.g., social media validation, luxury tech, fast fashion) that trap people today, and detail how Edla's philosophy of unconditional kindness provides an escape. Create a detailed historical report or digital presentation on the Champaran movement of 1917. Highlight how Gandhi used legal documentation, civil disobedience, and socio-economic reforms (like opening schools and health clinics) to empower the sharecroppers. Design a questionnaire	The Rattrap Activities : Make a mini rattrap Role play. Map Work: Locate Sweden, Scandinavia, Norway, Finland. Project Work : Character Analysis (The Peddler, The Crofter, The Iron master, Edla Willmansson). 2. Indigo Activities : Indigo dye demonstration Mock Court. Map Work : Locate Bihar, Champaran, Motihari, Patna, Sabarmati. Project Work : Champaran Satyagraha Biography of M.K. Gandhi. 3. The Enemy Activities Activity on Ethical Decision Making. Map Work: First Aid Awareness Map Locate Japan, United States, East Asia. Project Work : World War Peace poster.	The Rattrap Activity : Poster making Topic: "Kindness can Transform Lives" Indigo Activity : Poster making Topic: Truth and Non- violence OR Justice for Farmers The Enemy Activity: Design a poster Topics: "Humanity Above War"/"Compassion Knows No Boundaries"

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		examining how national borders and wartime propaganda can alter human empathy. Write a research analysis on how Dr. Sadao and Hana overcame deep-rooted racial prejudices to see Tom simply as a wounded human being.		
SEPT.	HALF YEARLY EXAM.			
OCT.	Prose – (Flamingo) Poets And Pancakes Prose (Vistas) -On the Face of it Poetry-A Roadside Stand Writing – Report writing	Write a character study or create a digital presentation on Subbu as the ultimate "No. 2" man. Analyze his loyalty, multi-talented nature, and resourcefulness, debating whether his character represents true genius or clever sycophancy. Write an original script for an additional scene between Derry and Mr. Lamb. Imagine them	·Chapters:1.Poets and Pancakes ·Activities: o Mock Film Studio Activity o Role Play o Character Web ·Map Work : Locate Chennai, Tamil Nadu, Gemini Studios, India ·Project Work: o History of Indian Cinema o Film Production Process ·Chapters: 3. A Road side Stand ·Activities: o Story telling Activity	Poets and Pancakes-Design a colourful vintage film poster Studio Layout Model of Make up room, shooting floor etc It: Poster on & quot ; Accept Differences, Celebrate Diversity & quot; , & quotation; Look Beyond Appearance & quotation;

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		discussing how to handle the neighborhood stares or Derry's transition back to school after their interaction. Focus on maintaining Mr. Lamb's optimistic tone.	o Role Play o Group Work · Map Work : Locate Punjab, Haryana, U.P., Major Highways Project Work: Rural Economy	-Design a Poster on Support Rural Communities or & quotation Buy Local, Help Farmers Sketch Village Landscape
NOV.	Prose – (Flamingo) The Interview, Going Places Prose (Vistas) -Memories of childhood Poetry- Aunt Jennifer's Tigers Writing – Sample Paper practice	Panel discussion on teenage fantasy and reality- A teenager, a mother, a psychologist and a teacher. Record an audio podcast or write a detailed script simulating an interview between a celebrity and a journalist. One student plays Umber to Eco (witty, philosophical, welcoming) and another plays a contemporary media reporter. Focus on how Eco views his academic work versus his fiction.	Chapters covered: 1. The Interview, 2. Going Places, 3. Memories of Childhood, Aunt Jennifer's Tigers The Interview Activities: Mock Interview Press Conference Map Work: Locate Kolkata, Odisha, England, London Project Work: Biography of Umber to Eco History of Journalism Going Places Activities: Role Play Dreams vs. Reality Discussion Map Work : Locate UK, England, London, Manchester Project Work :	The Interview & quot ; The Art of communication and Human Expression & quot ; The Power of Interview (Create a colourful poster) Going places - -Dream Board (visual Art) & quot ; My Dream, My Future & quot ; Memories of Childhood Equality Poster (visual Art) Different cultures, one Humanity Aunt Jennifer & Tigers - Embroidery design (Visual Art) Symbolism Poster.

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			Biography of Danny Casey Additional Work : Survey on Equality Memories of Childhood Activities: Role Play Equality Tree: Respect Kindness Justice Dignity Compassion Inclusion Map Work : Locate Canada, TamilNadu, Chennai Project Work : Biography of the Authors	
DEC.	PRE BOARD - 1			
JAN.	PRE BOARD - 2			
FEB.	ANNUAL EXAMINATION			

हिंदी (आधार)

महीना	निर्धारित पाठ्यक्रम	गतिविधियां	परियोजना कार्य	कला समेकित अधिगम
अप्रैल	आरोह (गद्य) : भक्तिन आरोह (पद्य) : आत्म परिचय अभिव्यक्ति और माध्यम : अप्रत्याशित विषयों पर लेखन	‘भक्तिन’ के चरित्र की विशेषताओं पर कक्षा में चर्चा। आत्म परिचय का गायन शैली में अभ्यास। अप्रत्याशित विषयों पर लेखन के लिए समूह चर्चा।	महादेवी वर्मा की साहित्यिक कृतियों पर आधारित परियोजना कार्य। ‘मधुशाला’ की काव्यगत विशेषताओं का वर्णन। अप्रत्याशित विषयों पर लेखन को प्रभावी बनाने के उपाय को सूचीबद्ध करें।	‘भक्तिन’ पाठ के आधार पर एक सुंदर रेखाचित्र हरिवंश राय बच्चन की कविताओं पर आधारित एक काव्य गोष्ठी का आयोजन। किसी अप्रत्याशित विषय का संवाद शैली में प्रदर्शन।
मई – जून	आरोह (गद्य) : बाजार दर्शन आरोह (पद्य) : दिन जल्दी-जल्दी ढलता है वितान : सिल्वर वेडिंग आरोह (गद्य) : काले मेघा पानी दे आरोह (पद्य) : पतंग अभिव्यक्ति और माध्यम : विभिन्न माध्यमों के लिए लेखन।	बाजारवाद और उपभोक्ता संस्कृति विषय पर परिचर्चा। अवकाश के बाद पाठों का वाचन अभ्यास। दो पीढ़ियों के सोच के अंतर पर समूह चर्चा। वर्षा ऋतु के प्राकृतिक सौंदर्य का सचित्र वर्णन। संपादकीय लेखन पर चर्चा।	कुछ प्रसिद्ध उत्पादों का विज्ञापन तैयार करना। सिल्वर वेडिंग पार्ट का मानचित्रण (माइंड पार्ट का मानचित्रण (माइंड मैप) तैयार करना। बादलों पर कविता लेखन। विभिन्न माध्यमों के लिए लेखन पर एक परियोजना कार्य।	आधुनिक समाज में बदलते पारिवारिक मूल्य (सिल्वर वेडिंग के आधार पर) रिपोर्ट। ‘पतंग’ कविता के दृश्यों को रंगों के माध्यम से चार्ट पेपर पर दर्शाना। रेडियो शैली में समाचार वाचन।
Periodic Test - 1 भक्तिन, अप्रत्याशित विषय पर लेखन।				
जुलाई	आरोह (गद्य) : कविता के बहाने, बात सीधी थी पर वितान : जूझ अभिव्यक्ति और माध्यम : पत्रकारिता लेखन, विशेष लेखन, कहानी/नाटक की रचना। मौखिक अभ्यास : वाचन और श्रवण अभ्यास	‘श्रवण कौशल’ के अंतर्गत किसी ऑडियो को सुनकर प्रश्न उत्तर करना। शिक्षा के महत्व पर समूह चर्चा। फीचर लेखन पर चर्चा।	प्रकृति पर कविता लेखन। जूझ कहानी के सभी प्रमुख पात्रों की चरित्रगत विशेषताओं का संकलन। अपने क्षेत्र की किसी विशेष समस्या पर एक विशेष रिपोर्ट तैयार करना।	कविता का गायन शैली में अभ्यास। ‘जूझ’ कहानी के नायक के संघर्षों पर एक प्रेरक नाट्य मंचन। किसी प्रसिद्ध सामाजिक कार्यकर्ता के साक्षात्कार का मंचन।

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महीना	निर्धारित पाठ्यक्रम	गतिविधियां	परियोजना कार्य	कला समेकित अधिगम
Periodic Test - 2 सिल्वर वेडिंग, कविता के बहाने।				
अगस्त	आरोह (पद्य) : कैमरे में बंद अपाहिज, उषा, बादल राग, कवितावली। आरोह (गद्य) : पहलवान की ढोलक अभिव्यक्ति और माध्यम : संपूर्ण भाग। वितान : सिल्वर वेडिंग और जूझ पाठ की पुनरावृत्ति पुनरावृत्ति : प्रथम सत्र के पूरे पाठ्यक्रम का दोहराव।	उचित हाव-भाव के साथ कविता का सस्वर वाचन। पारंपरिक खेल बनाम आधुनिक खेल इस विषय पर वाद विवाद प्रतियोगिता। समसामयिक विषय पर फीचर लेखन की कक्षा प्रतियोगिता। अर्धवार्षिक परीक्षा के प्रश्न पत्र का कक्षा में विश्लेषण और अभ्यास।	टीआरपी बनाम मानवीय संवेदना पर परियोजना। कुश्ती, कबड्डी, मलखंब आदि पारंपरिक खेलों के नियमों पर आधारित परियोजना। विभिन्न हिंदी समाचार पत्रों से खबरें इकट्ठी करके उनका कोलाज बनाना।	‘उषा’ कविता के प्राकृतिक दृश्यों (सूर्योदय) को डिजिटल आर्ट या वॉटर कलर से बनाना। ‘बादल राग’ कविता के आधार पर वर्षा ऋतु का सुंदर दृश्य चित्र तैयार करना। ढोलक का मॉडल तैयार करना। समाचार पत्रों की एक प्रदर्शनी लगाना।
सितम्बर	अर्धवार्षिक परीक्षा			
अक्टूबर	आरोह (पद्य) : लक्ष्मण मूर्छा और राम का विलाप, छोटा मेरा खेत, बगुलों के पंख, रुबाइयाँ आरोह (गद्य) : शिरीष के फूल	कविताओं का कक्षा में सस्वर काव्य पाठ करना। शिरीष सहित अन्य स्थानीय पेड़ों की उपयोगिता की जानकारी एकत्र करना।	गोस्वामी तुलसीदास की रचनाओं पर परियोजना। भारत के प्रमुख औषधि वृक्षों पर आधारित परियोजना।	राम के विलाप दृश्य पर आधारित एक छोटा रोल-प्ले (अभिनय) तैयार करना। पेड़ का एक 3D मॉडल तैयार करना।
नवम्बर	आरोह (गद्य) : श्रम विभाजन और जाति प्रथा, मेरी कल्पना का आदर्श समाज वितान : अतीत में दबे पाँव अभिव्यक्ति और माध्यम : संपूर्ण भाग।	डॉ. अंबेडकर के आदर्श समाज विषय पर भाषण या वाद-विवाद प्रतियोगिता। ‘इतिहास को जानना अत्यंत आवश्यक’ इस विषय पर चर्चा।	जातिगत असमानता से उत्पन्न समस्याओं पर परियोजना। सिंधु घाटी सभ्यता पर एक प्रोजेक्ट फाइल का निर्माण।	डॉ. भीमराव अंबेडकर का एक सुंदर चित्र बनाना। भारत के प्रमुख ऐतिहासिक स्मारकों का एक सुंदर एलबम तैयार करना।
Periodic Test - 3 छोटा मेरा खेत, शिरीष के फूल				
दिसम्बर	Pre-Board - 1 (14.10.26 - 24.10.2026)			
जनवरी	Pre-Board - 2 (11.01.27 - 22.01.2027)			
फरवरी	Annual Examination			

MATHEMATICS

MONTH	UNIT / TOPICS	Activities	Hands-on Learning / Map Work / Project works	Art integrated Learning
APRIL	Unit-I : Relations and Functions 1. Relations and Functions Types of relations: reflexive, symmetric, transitive and equivalence relations. One to one and onto functions	Activity 1 : To verify that the relation R in the set L of all lines in a plane, defined by $R = \{(l, m) : l \parallel m\}$ is symmetric but neither reflexive nor transitive. Activity 2 : To verify that the relation R in the set L of all lines in a plane, defined by $R = \{(l, m) : l \perp m\}$ is an equivalence relation. Activity 3 : To demonstrate a function which is not one-one but is onto. Activity 4 : To demonstrate a function which is one-one but not onto.	Prepare a chart showing different types of relations and functions (one-one, onto,) using real-life examples such as students and roll numbers	Prepare a flow chart or rangoli design showing types of relations and functions
	2. Inverse Trigonometric Functions Definition, range, domain, principal value branch. Graphs of inverse trigonometric functions.	Activity 5 : To draw the graph of $\sin^{-1}x$, using the graph of $\sin x$ and demonstrate the concept of mirror reflection (about the line $y=x$). Activity 6 : To explore the principal value of the function $\sin^{-1}x$ using a unit circle.	Verify principal value branches of inverse trigonometric functions using graph paper.	Create a trigonometric identity wheel or mandala art.

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MAY - JUNE	Unit-II:Algebra 1. Matrices Concept, notation, order, equality, types of matrices, zero and identity matrix, transpose of a matrix, symmetric and skew symmetric matrices. Operations on matrices: Addition and multiplication and multiplication with a scalar. Simple properties of addition, multiplication and scalar multiplication. Non- commutativity of multiplication of matrices and existence of non-zero matrices whose product is the zero matrix (restrict to square matrices of order 2). Invertible matrices and proof of the uniqueness of inverse, if it exists; (Here all matrices will have real entries).		Design a project on applications of matrices in image processing, encryption, or traffic management systems.	Design matrix patterns using Madhubani or Warli art.

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	2. Determinants Determinant of a square matrix (up to 3×3 matrices), minors, co-factors and applications of determinants in finding the area of a triangle. Adjoint and inverse of a square matrix. Consistency, inconsistency and number of solutions of system of linear equations by examples, solving system of linear equations in two or three variables (having unique solution) using inverse of a matrix.		Solve real-life problems involving simultaneous equations using determinants .	Prepare decorative determinant boxes using geometric art.
JUNE : PT:-1 CHAPTER/ TOPICS:- Relations and Functions&Inverse Trigonometric Functions				
JULY	Unit-III:Calculus 1.Continuity and Differentiability Continuity and differentiability, chain rule, derivative of composite	Activity 7 : To find analytically the limit of a function $f(x)$ at $x=c$ and also to check the continuity of the function at that point. Activity 8 : To verify that for a function f	Create graphical models showing continuous and discontinuous functions using graph sheets or GeoGebra.	Draw artistic curve patterns inspired by nature.

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	functions, derivatives of inverse trigonometric functions like $\sin^{-1}x$, $\cos^{-1}x$ and $\tan^{-1}x$, derivative of implicit functions Concept of exponential and logarithmic functions. Derivatives of logarithmic and exponential functions. Logarithmic differentiation, derivative of functions expressed in parametric forms. Second order derivatives.	to be continuous at given point x_0, $\Delta y = f(x_0 + \Delta x) - f(x_0)$ is arbitrarily small, provided Δx is sufficiently small.		
	2. Applications of Derivatives Applications of derivatives: rate of change of quantities, increasing / decreasing functions, maxima and minima (first derivative test motivated	Activity 9 : To understand the concepts of decreasing and increasing functions Activity 10 : To understand the concepts of local maxima , local minima and point of inflection.	Study optimization problems from daily life such as minimizing material used in packaging or maximizing area.	Create posters showing real-life applications

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	geometrically and second derivative test given as a provable tool). Simple problems (that illustrate basic principles and understanding of the subject as well as real- life situations).	Activity 11 : To understand the concepts of absolute maximum and minimum values of a function in a given closed interval through its graph. Activity 12 : To construct an open box of maximum volume from a given rectangular sheet by cutting equal squares from each corner. Activity 13 : To find the time when the area of a rectangle of given dimensions become maximum, if the length is decreasing and the breadth is increasing at given rates. Activity 14 : To verify that amongst all the rectangles of the same perimeter, the square has the maximum area.		
PT:-2 CHAPTER/ TOPICS:-Continuity and Differentiability&Applications of Derivatives				

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MONTH	UNIT / TOPICS	Activities	Hands-on Learning / Map Work / Project works	Art integrated Learning
AUGUST	3. Integrals Integration as inverse process of differentiation. Integration of a variety of functions by substitution, by partial fractions and by parts, Evaluation of simple integrals of the following types and problems based on them. $\int \frac{dx}{x^2 \pm a^2}$ $\int \frac{dx}{\sqrt{x^2 \pm a^2}}$ $\int \frac{dx}{\sqrt{a^2 - x^2}}$ $\int \frac{dx}{ax^2 + bx + c}$ $\int \frac{dx}{\sqrt{ax^2 + bx + c}}$ $\int \frac{(px + q)dx}{ax^2 + bx + c}$ $\int \frac{(px + q)dx}{\sqrt{ax^2 + bx + c}}$		Demonstrate integration as the inverse process of differentiation through graphical illustrations.	Develop creative area-shading artwork using curves..

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MONTH	UNIT / TOPICS	Activities	Hands-on Learning / Map Work / Project works	Art integrated Learning
	$\int \sqrt{a^2 \pm x^2} dx$ $\int \sqrt{x^2 - a^2} dx$ $\int \sqrt{ax^2 + bx + c} dx$ Fundamental Theorem of Calculus (without proof). Basic properties of definite integrals and evaluation of definite integrals.			
	4. Application of the Integrals Applications in finding the area under simple curves specially lines, circles / parabolas/ellipses (in standard form only)		Calculate areas of irregular figures using graph paper and compare with integral-based calculations.	Prepare landscape drawings using area under curves.
	5. Differential Equations Definition, order and degree, general and particular solutions of a differential equation. Solution of differential equations by		Model population growth, radioactive decay, or cooling processes using simple differential equations.	Design charts showing growth and decay

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MONTH	UNIT / TOPICS	Activities	Hands-on Learning / Map Work / Project works	Art integrated Learning
	method of separation of variables, solutions of homogeneous differential equations of first order and first degree. Solutions of linear differential equation of the type: $\frac{dy}{dx} + py = q$ where p and q are the function of x or constants. $\frac{dx}{dy} + px = q$ where p and q are the function of y or constants			
SEPTEMBER: TERM :-1/ HALF YEARLY EXAMINATION				
OCTOBER	Unit - IV : Vectors and Three - dimensional Geometry 1. Vectors Vectors and scalars, magnitude and direction of a vector. Direction cosines and direction ratios of	Activity 15 : To verify geometrically that $\vec{c} \times (\vec{a} + \vec{b}) = \vec{c} \times \vec{a} + \vec{c} \times \vec{b}$ Activity 16 : To verify that angle in a semi-circle is a right angle, using vector method.	Create 3D models using sticks/straws to represent vectors, addition of vectors, and scalar multiplication.	Make arrow-based tribal art demonstrating vectors.

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MONTH	UNIT / TOPICS	Activities	Hands-on Learning / Map Work / Project works	Art integrated Learning
	a vector. Types of vectors (equal, unit, zero, parallel and collinear vectors), position vector of a point, negative of a vector, components of a vector, addition of vectors, multiplication of a vector by a scalar, position vector of a point dividing a line segment in a given ratio. Definition, Geometrical Interpretation, properties and application of scalar (dot) product of vectors, vector (cross) product of vectors	Activity 17 : To locate the points to given coordinates in space, measure the distance between two points in space and then to verify the distance using distance formula.		
	2. Three - dimensional Geometry Direction cosines and direction ratios of a line joining two points. Cartesian equation and vector equation of a line,	Activity 18 : To measure the shortest distance between two skew-lines and verify it analytically.	Construct a 3D coordinate system using cardboard and locate points, lines.	Create 3D paper models of geometric figures.

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MONTH	UNIT / TOPICS	Activities	Hands-on Learning / Map Work / Project works	Art integrated Learning
	skew lines, shortest distance between two lines. Angle between two lines.	Activity 18 : To measure the shortest distance between two skew-lines and verify it analytically.	Construct a 3D coordinate system using cardboard and locate points, lines.	Create 3D paper models of geometric figures.
NOV.	Unit-V : Linear Programming Problem 1. Linear Programming Introduction, related terminology such as constraints objective function, optimization, graphical method of solution for problems in two variables, feasible and infeasible regions (bounded or unbounded), feasible and infeasible solutions, optimal feasible solutions (up to three non- trivial constraints).		Prepare a case study on profit maximization or cost minimization for a small business using graphical methods.	Prepare market - planning graph activities.
	Unit - VI : Probability Conditional probability, multiplication theorem on	Activity 19 : To explain the computation of conditional probability of a given event A,	Conduct a survey or experiment (coin toss, dice throw, card selection) and compare theoretical and experimental probabilities.	Design colourful probability trees or dice art.

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MONTH	UNIT / TOPICS	Activities	Hands-on Learning / Map Work / Project works	Art integrated Learning
	probability, independent events, total probability, Bayes' theorem.	when event B has already occurred, through an example of throwing a pair of dice		
NOTE: Through out the year any 10 activities shall be performed by the student from the activities given above OR in the NCERT Laboratory Manual for the class XII which is available on the link: http://www.ncert.nic.in/exemplar/labmanuals.html				
PT:-3 CHAPTER/ TOPICS:-Three-dimensional Geometry&Probability				
DEC.	PRE-BOARD-1 (14TH DEC- 24TH DEC-2026)			
JAN.	PRE-BOARD- 2 (11TH JAN- 22ND JAN-2027)			
FEB.	ANNUAL EXAMINATION			

APPLIED MATHEMATICS

MONTH	UNIT / TOPICS	Activities (Chapter-wise)	Hands-on Learning / Map Work / Project works	Art integrated Learning
APRIL	CH-1 Numbers & Quantification Define modulus of an integer, Apply arithmetic operations using modular arithmetic rules. Define congruence modulo, Apply the definition in various problems. Understand the rule of alligation to produce a mixture at a given price, Determine the mean price of a mixture, Apply rule of allegation. Numerical Problems on - Boats and Streams (upstream and downstream), Pipes and Cisterns, Races and Games.	Features of partnership; Content of a Partnership Deed; Maintenance of Capital Accounts (Fixed vs. Fluctuating capital methods); Preparation of Profit and Loss Appropriation Account; Division of profit among partners Past adjustments (guarantee of profits, interest on capital, interest on drawings, salary).	Case studies analyzing real-world/hypothetical partnership disputes where a deed is missing.	Drafting an illustrated, formal sample "Partnership Deed" using traditional calligraphic elements or graphic design interfaces.

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MONTH	UNIT / TOPICS	Activities (Chapter-wise)	Hands-on Learning / Map Work / Project works	Art integrated Learning
	CH-2 Numerical Inequalities Describe the basic concepts of numerical inequalities, Understand and write numerical inequalities.	Describing the basic concepts of numerical inequalities; understanding and writing numerical inequalities.	None listed explicitly in this chapter's row.	
	CH-3 Matrices Define matrix, Identify different kinds of matrices. Find the size / order of matrices. Determine equality of two matrices, Write transpose of given matrix, Define symmetric and skew symmetric matrix. Perform operations like addition & subtraction on matrices of same order, Perform multiplication of	Defining matrices; identifying different kinds of matrices; finding the size/order of matrices; determining equality; writing transposes; defining symmetric and skew-symmetric configurations; performing matrix operations (addition, subtraction, multiplication); and multiplying a scalar with a matrix.	Solving allocation and composition problems by combining real-world data tracking with matrix calculations on a spreadsheet layout.	Transformation & Isometric Pixel Art.

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MONTH	UNIT / TOPICS	Activities (Chapter-wise)	Hands-on Learning / Map Work / Project works	Art integrated Learning
	two matrices of appropriate order, Perform multiplication of a scalar with matrix.			
MAY - JUNE	CH-4 Determinants Find the determinant of a square matrix. Define the inverse of a square matrix, Apply properties of inverse of matrices, Solve the system of simultaneous equations using- Cramer's Rule, Inverse of coefficient matrix, Formulate real life problems into a system of simultaneous linear equations and solve it using these methods.	Finding the determinant of a square matrix; defining and applying properties of the inverse of a matrix; formulating real-life problems into a system of simultaneous linear equations and solving them via Cramer's Rule or the Inverse Coefficient Matrix method.		

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MONTH	UNIT / TOPICS	Activities (Chapter-wise)	Hands-on Learning / Map Work / Project works	Art integrated Learning
	CH-5 Differentiation Determine derivatives up to second order, Understand differentiation of parametric functions and implicit functions.	Determining derivatives up to the second order; understanding the differentiation of parametric functions and implicit functions.	Project on differentiable curve.	Art of tangents to produce envelope.
JUNE : PT:-1 CHAPTER/ TOPICS:- Numbers & Quantification, Numerical Inequalities.				
JULY	CH- 6 Application of Derivatives Determine the rate of change of various quantities, Definemarginal costand marginal revenue, Findmarginal cost and marginal revenue. Determine whether a function is increasing or decreasing, Determine the conditions for a function to be	Determining the rate of change of various quantities; defining and calculating marginal cost and marginal revenue; determining whether a function is increasing or decreasing; determining critical points, local maxima /minima, and absolute extreme values to optimize applied cost, revenue, and profit scenarios.	Project: Formulating a real-world cost or revenue optimization problem and using a spreadsheet to graphically locate absolute extreme points.	Creating art based on the principle that any smooth curve can be visually constructed as an "envelope" formed by the intersection of its infinite straight tangent lines.

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MONTH	UNIT / TOPICS	Activities (Chapter-wise)	Hands-on Learning / Map Work / Project works	Art integrated Learning
	increasing or decreasing. Determine critical points of the function, Find the point(s) of local maxima and local minima and corresponding local maximum and local minimum values, Find the absolute maximum and absolute minimum value of a function, Solve applied problems related to optimization of cost, revenue and profit only.			
	CH-7 Integration Understand and determine indefinite integrals of simple functions as anti-derivative. Indefinite Integrals as family of curves, Evaluate indefinite	Evaluating indefinite integrals of simple algebraic functions as anti-derivatives using substitution, partial fractions, and integration by parts; defining definite integrals as the area under a curve;	Building a spreadsheet model that approximates the area under a curve using rectangular slices, demonstrating how infinite partitions converge to a definite integral.	Market Welfare Monochrome / Contrasting Canvas.

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MONTH	UNIT / TOPICS	Activities (Chapter-wise)	Hands-on Learning / Map Work / Project works	Art integrated Learning
	integrals of simple algebraic functions by method of : i) substitution, ii) partial fraction, iii) by parts, Definite Integrals as area under the curve, Define definite integral as area under the curve, Understand fundamental theorem of Integral calculus and apply it to evaluate the definite integral, Application of Integration, Identify the region representing consumer surplus and producer surplus graphically, Apply the definite integral to find consumer surplus-producer surplus.	applying the Fundamental Theorem of Integral Calculus; identifying regions representing consumer surplus and producer surplus graphically, and calculating them using definite integrals.		
PT:-2 CHAPTER/ TOPICS:- Matrices, Differentiation, Application of Derivatives.				

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MONTH	UNIT / TOPICS	Activities (Chapter-wise)	Hands-on Learning / Map Work / Project works	Art integrated Learning
AUGUST	CH-8 Differential Equations Recognize a differential equation, Find the order and degree of a differential equation. Formulating and Solving Differential Equations, Formulate differential equation, Verify the solution of differential equation, Solve simple differential equation using variable separable method only.	Recognizing differential equations; finding their order and degree; formulating equations and verifying/solving simple differential equations using the variable separable method.	Make a project on a colorful family of curves.	Art design containing same shapes of different family of curves.
	CH-9 Probability Distribution Understand the concept of Random Variables and its Probability Distributions,	Understanding random variables and discrete probability distributions; calculating Mathematical Expectation,	Conducting a random experiment, logging large-scale data in a spreadsheet, and comparing experimental outcomes with theoretical mathematical expectations.	

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MONTH	UNIT / TOPICS	Activities (Chapter-wise)	Hands-on Learning / Map Work / Project works	Art integrated Learning
	Find probability distribution of discrete random variable, Mathematical Expectation, Apply arithmetic mean of frequency distribution to find the expected value of a random variable. Variance, Calculate the Variance and S.D. of a random variable. Binomial Distribution Identify the Bernoulli Trials and apply Binomial Distribution. Evaluate Mean, Variance and S.D of a binomial distribution. Poisson Distribution Understand the Conditions of Poisson Distribution,	variance, and standard deviation; identifying Bernoulli trials and working with Binomial, Poisson, and Normal continuous distributions (including standard normal variates and area relationships).		

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MONTH	UNIT / TOPICS	Activities (Chapter-wise)	Hands-on Learning / Map Work / Project works	Art integrated Learning
	Evaluate the Mean and Variance of Poisson distribution. Normal Distribution Understand normal distribution is a Continuous distribution, Evaluate value of Standard normal variate, Area relationship between Mean and Standard Deviation.			
SEPTEMBER: TERM :-1/ HALF YEARLY EXAMINATION				
OCTOBER	CH-10 INFERENCE STATISTICS Define Population and Sample, Differentiate between population and sample, Define a representative sample from a population, Differentiate	Differentiating between populations and samples; drawing representative samples using simple random or systematic sampling; understanding parameters vs. statistics; exploring the Central Limit theorem; defining	Visually and practically demonstrating that as sample sizes grow, the distribution of sample means approaches a normal curve, regardless of the population's original distribution shape (Central Limit Theorem).	By representing population and sample - Draw various art forms.

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MONTH	UNIT / TOPICS	Activities (Chapter-wise)	Hands-on Learning / Map Work / Project works	Art integrated Learning
	between a representative and non-representative sample, Draw a representative sample using simple random sampling, Draw a representative sample using and systematic random sampling. Define Parameter with reference to Population, Define Statistics with reference to Sample, Explain the relation between Parameter and Statistic, Explain the limitation of Statistic to generalize the estimation for population,	hypotheses (null and alternative); calculating degrees of freedom; and making inferences using the t-test statistic for small groups.		

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MONTH	UNIT / TOPICS	Activities (Chapter-wise)	Hands-on Learning / Map Work / Project works	Art integrated Learning
	Interpret the concept of Statistical Significance and Statistical Inferences, State Central Limit Theorem, Explain the relation between Population-Sampling Distribution - Sample. t-Test (one sample t-test and for a small group sample). Define a hypothesis, Differentiate between Null and Alternate hypothesis, Define and calculate degree of freedom, Test Null hypothesis and make inferences using t-test statistic for one group.			

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MONTH	UNIT / TOPICS	Activities (Chapter-wise)	Hands-on Learning / Map Work / Project works	Art integrated Learning
	CH-11 TIME-BASED DATA Time Series - Identify time series as chronological data. Components of Time Series- Distinguish between different components of time series. Time Series analysis for univariate data- Solve practical problems based on statistical data and interpret the result. Secular Trend- Understand the long-term tendency. Methods of Measuring trend- Demonstrate the techniques of finding trend by different methods.	Identifying time series as chronological data; distinguishing between its core components; analyzing univariate time series data; interpreting long-term tendencies (Secular Trends); and measuring trends using different methods.		Visually isolating long-term "Secular Trends" from short-term seasonal fluctuations or irregular variations by embedding historical data into a multi-layered painting or digital canvas.

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MONTH	UNIT / TOPICS	Activities (Chapter-wise)	Hands-on Learning / Map Work / Project works	Art integrated Learning
NOV.	CH-12 FINANCIAL MATHEMATICS Explain the concept of perpetuity and sinking fund, Calculate perpetuity, Differentiate between sinking fund and saving account. Define the concept of valuation of bond and related terms. Calculate value of bond using present value approach. Explain the concept of EMI, Calculate EMI using various methods. Understand the concept of Compound Annual Growth Rate, Differentiate between Compound Annual	Calculating perpetuities and sinking funds; understanding bond valuation using the present value approach; calculating EMIs using various methods; calculating the Compound Annual Growth Rate (CAGR) vs. basic annual growth; and interpreting asset cost, residual value, and useful life to calculate linear depreciation.	Hands-on Project: The Amortization & Depreciation Asset Ledger spreadsheet model.	Visual infographic mapping of Financial Mathematics concepts (such as EMI Calculations & Depreciation frameworks).

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MONTH	UNIT / TOPICS	Activities (Chapter-wise)	Hands-on Learning / Map Work / Project works	Art integrated Learning
	Growth Rate and Annual Growth Rate, Calculate Compound Annual Growth Rate, Define the concept of linear method of Depreciation, Interpret cost, residual value and useful life of an asset from the given information, Calculate depreciation.			
	CH-13 LINEAR PROGRAMMING Introduction and related terminology- Familiarize with terms related to Linear Programming Problem, Mathematical formulation of Linear Programming Problem- Formulate Linear Programming	Familiarizing with LPP terminology; formulating mathematical LPPs with up to 3 non-trivial constraints; drawing graphs for systems of linear inequalities to find solutions graphically; and identifying feasible, infeasible, bounded, and unbounded regions to pinpoint optimal solutions.	Physically mapping out linear inequalities on grids to isolate the intersecting "Feasible Region" and testing corner points to solve an optimization problem.	Draw a beautiful segmented colored picture of feasible region defined by the constraints.

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MONTH	UNIT / TOPICS	Activities (Chapter-wise)	Hands-on Learning / Map Work / Project works	Art integrated Learning
	Problem upto 3 non-trivial constraints. Identify and formulate different types of LPP. Draw the Graph for a system of linear inequalities involving two variables and to find its solution graphically. Identify feasible, infeasible, bounded and unbounded regions. Understand feasible and infeasible solutions. Find optimal feasible solution.			
PT:-3 CHAPTER/ TOPICS:- TIME-BASED DATA, FINANCIAL MATHEMATICS, LINEAR PROGRAMMING.				
DEC.	PRE-BOARD-1 (14TH DEC- 24TH DEC-2026)			
JAN.	PRE-BOARD- 2 (11TH JAN- 22ND JAN-2027)			
FEB.	ANNUAL EXAMINATION			

*** According to CBSE : For class XII

Practical: Use of spreadsheet

Graphs of an exponential function, demand and supply functions on Excel and study the nature of function at various points, maxima/minima, Matrix operations using Excel

Suggested practical using the spreadsheet

- i) Plot the graphs of functions on excel and study the graph to find out the point of maxima/minima
- ii) Probability and dice roll simulation
- iii) Matrix multiplication and the inverse of a matrix
- iv) Stock Market data sheet on excel
- v) Collect the data on weather, price, inflation, and pollution analyze the data and make meaningful inferences
- vi) Collect data from newspapers on traffic, sports activities and market trends and use excel to study future trends

*** List of Suggested projects (Class XI /XII)

- i) Use of prime numbers in coding and decoding of messages
- ii) Prime numbers and divisibility rules
- iii) Logarithms for financial calculations such as interest, present value, future value, profit/loss etc. with large values)
- iv) The cardinality of a set and orders of infinity
- v) Comparing sets of Natural numbers, rational numbers, real numbers and others
- vi) Use of Venn diagram in solving practical problems
- vii) Fibonacci sequence: Its' history and presence in nature
- viii) Testing the validity of mathematical statements and framing truth tables
- ix) Investigating Graphs of functions for their properties
- x) Visit the census site of India
http://www.censusindia.gov.in/Census_Data_2001/Census_Data_Online/Language/State_ment3.html Depict the information given there in a pictorial form
- xi) Prepare a questionnaire to collect information about money spent by your friends in a month on activities like travelling, movies, recharging of the mobiles, etc. and draw interesting conclusions

- xii) Check out the local newspaper and cut out examples of information depicted by graphs. Draw your own conclusions from the graph and compare it with the analysis given in the report
- xiii) Analysis of population migration data – positive and negative influence on urbanization
- xiv) Each day newspaper tells us about the maximum temperature, minimum temperature, and humidity. Collect the data for a period of 30 days and represent it graphically. Compare it with the data available for the same time period for the previous year
- xv) Analysis of career graph of a cricketer (batting average for a batsman and bowling average for a bowler). Conclude the best year of his career. It may be extended for other players also – tennis, badminton, athlete
- xvi) Vehicle registration data – correlating with pollution and the number of accidents
- xvii) Visit a village near Delhi and collect data of various crops over the past few years from the farmers. Also, collect data about temperature variation and rain over the period for a particular crop. Try to find the effect of temperature and rain variations on various crops
- xviii) Choose any week of your ongoing semester. Collect data for the past 10 – 15 years for the amount of rainfall received in Delhi during that week. Predict the amount of rainfall for the current year
- xix) Weather prediction (prediction of monsoon from past data)
- xx) Visit Kirana shops near your home and collect the data regarding the sales of certain commodities over a month. Try to figure out the stock of a particular commodity which should be in the store in order to maximize the profit
- xxi) Stock price movement
- xxii) Risk assessments by insurance firms from data
- xxiii) Predicting stock market crash
- xxiv) Predicting the outcome of an election – exit polls
- xxv) Predicting mortality of infants

CHEMISTRY

MONTH	UNIT / TOPICS	Hands-on Learning / Map Work / Project works	Art integrated Learning
APRIL	CH-1: Solutions Types of solutions, expression of concentration, solubility of gases in liquids, solid solutions, Raoult's law, ideal and non-ideal solutions, colligative properties, abnormal molecular mass, Van't Hoff factor. CH-2: Electrochemistry Redox reactions, conductance in electrolytic solutions, specific and molar conductivity, Kohlrausch's Law, electrolysis, electrochemical cells, EMF of a cell, Nernst equation, Gibbs energy change, fuel cells, corrosion.	Practical: Determination of Molarity of a KMnO_4 solution by titrating it against a standard solution of Oxalic Acid. Preparation of one lyophilic and one lyophobic sol (e.g., Egg albumin/Starch and Ferric hydroxide).	Activity: Creating 3D molecular models or digital infographics illustrating Raoult's Law deviations (Positive vs Negative). Designing a visual comic strip or storyboard depicting the 'Life and Death of a Battery'.
MAY - JUNE	CH-3: Chemical Kinetics Rate of a reaction (average and instantaneous), factors affecting rate, order and molecularity of a reaction, rate law, integrated rate equations, half-life, collision theory, activation energy, Arrhenius equation.	Practical: Study of reaction rates between Sodium Thiosulphate and Hydrochloric acid.	Activity: Composing a song, poem, or rhythmic rap explaining the concept of Activation Energy and the role of Catalysts.

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MONTH	UNIT / TOPICS	Hands-on Learning / Map Work / Project works	Art integrated Learning
JUNE : PT:-1 CHAPTER/ TOPICS:- CH-1: Solutions, CH-2: Electrochemistry			
JULY	CH-4: d and f Block Elements General introduction, electronic configuration, occurrence and characteristics of transition metals, trends in properties, preparation and properties of $K_2Cr_2O_7$ and $KMnO_4$, Lanthanoids and Actinoids. CH-5: Coordination Compounds Introduction, ligands, coordination number, color, magnetic properties, IUPAC nomenclature, bonding (WERNER, VBT, CFT), isomerism, importance and applications.	Practical: Qualitative analysis (Identification of 1 cationic and 1 anionic radical from a given salt sample). Project Work: Initiation of CBSE Investigatory Projects (e.g., Study of adulteration in foodstuff, presence of oxalate ions in guava fruit, etc.).	Activity: Mandalas or color-coded periodic wheels showcasing the vibrant oxidation states and magnetic properties of d-block elements. 'Roleplay as a Ligand' — A creative writing or short theatrical sketch demonstrating how ligands bind to a central metal ion.
JULY (End) PT:-2 CHAPTER/ TOPICS:- CH-3: Chemical Kinetics, CH-4: d and f Block Elements			
AUGUST	CH-6: Haloalkanes and Haloarenes, Nomenclature, nature of C-X bond, physical and chemical properties, mechanism of substitution reactions (SN1 and SN2), optical rotation, environmental effects of chloroform, DDT.	Practical: Detection of functional groups (Phenolic, Alcoholic, Carboxylic, Carbonyl) present in organic compounds.	Activity: 'Concept Mapping' — Designing a stylized railway route or subway map linking various organic conversions and name reactions.

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MONTH	UNIT / TOPICS	Hands-on Learning / Map Work / Project works	Art integrated Learning
	CH-7: Alcohols, Phenols and Ethers Nomenclature, methods of preparation, physical and chemical properties, mechanism of dehydration of alcohols, electrophilic substitution in phenols, uses of methanol and ethanol.	Preparation of any one organic compound (e.g., Acetanilide, Di-benzal acetone, or p-Nitroacetanilide).	Poster making on the commercial applications, safety hazards, and biochemical impacts of various alcohols and ethers.
SEPTEMBER : TERM :-1 / HALF YEARLY EXAMINATION (Syllabus Covered from April to August: CH-1 to CH-6)			
OCTOBER	CH-8: Aldehydes, Ketones and Carboxylic Acids Nomenclature, nature of carbonyl group, methods of preparation, physical and chemical properties, mechanism of nucleophilic addition, reactivity of alpha hydrogen, uses. CH-9: Amines Nomenclature, classification, structure, methods of preparation, physical and chemical properties, uses, identification of primary, secondary, and tertiary amines, diazonium salts.	Practical: Characteristic tests of Aldehydes, Ketones, and Carboxylic Acids in laboratory conditions. Content-based experiment : Separation of pigments from extracts of leaves and flowers by paper chromatography.	Activity: Skit or interactive presentation featuring a courtroom trial where 'Aldehydes vs. Ketones' argue their chemical superiorities. Creation of an illustrative 'Name Reaction Flipbook' outlining crucial organic pathways like the Hoffmann Bromamide degradation.

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MONTH	UNIT / TOPICS	Hands-on Learning / Map Work / Project works	Art integrated Learning
NOV.	CH-10: Biomolecules Carbohydrates (Classification, Monosaccharides, D-L configuration, oligosaccharides polysaccharides), Proteins (Amino acids, peptide bond, primary/secondary/tertiary/ quaternary structure, denaturation), Nucleic acids (DNA, RNA).	Practical: Submission and internal evaluation of the completed Chemistry Investigatory Project and Viva-Voce.	Activity: Creating a 3D structural mosaic or collage using eco-friendly materials to show the double-helix structure of DNA.
NOVEMBER (End) : PT:-3 CHAPTER/ TOPICS:- CH-8: Aldehydes, Ketones and Carboxylic Acids, CH-9: Amines, CH-10: Biomolecules			
DEC.	PRE-BOARD-1 (14TH DEC - 24TH DEC-2026) Full CBSE Board Syllabus (Chapters 1 to 10).	Revision: Detailed revision sessions and solving past years' CBSE question papers.	
JAN.	PRE-BOARD-2 (11TH JAN - 22ND JAN-2026) Full CBSE Board Syllabus (Chapters 1 to 10).	Mock Practicals: Comprehensive rehearsal for the final Board Practical Examinations.	
FEB.	ANNUAL EXAMINATION (CBSE BOARD EXAMS)		

PHYSICS

MONTH	UNIT / TOPICS	Hands-on Learning / Map Work / Project works	Art integrated Learning
APRIL	Unit I: Electrostatics Chapter 1: Electric Charges and Fields Electric Charges, Conservation of charge, Coulomb's law - force between two point charges, forces between multiple charges, superposition principle and continuous charge distribution. Electric field, electric field due to a point charge, electric field lines, electric dipole, Electric field due to a dipole, torque on a dipole in uniform electric field. Electric flux, statement of Gauss's theorem and its applications to find field due to infinitely long straight wire, uniformly charged infinite plane sheet and uniformly charged thin spherical shell (field inside and outside). Chapter-2: Electrostatic Potential and Capacitance- Electric potential, potential difference, electric potential due to a point charge a dipole and system of charges, equipotential surfaces, electrical	1. To determine resistivity of two /three wires by plotting a graph for potential difference versus current.	1. To assemble a household circuit, comprising three bulbs, three (on/off) switches, a fuse and a power source.

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MONTH	UNIT / TOPICS	Hands-on Learning / Map Work / Project works	Art integrated Learning
	potential energy of a system of two point charges and of electric dipole in an electrostatic field. Conductors and insulators, free charges and bound charges inside a conductor. Dielectrics and electric polarisation, capacitors and capacitance, combination of capacitors in series and in parallel, capacitance of a parallel plate capacitor with and without dielectric medium between the plates, energy stored in a capacitor (no derivation, formulae only)		
MAY	Unit II -Current Electricity Chapter 3: Current Electricity Electric current, flow of electric charges in a metallic conductor, drift velocity, mobility and their relation with electric current, Ohm's law, electrical resistance, combination of resistances, V-I characteristics (linear and non-linear), electrical energy and power, electrical resistivity and conductivity, temperature dependence of resistance. Internal resistance of a cell, potential difference and emf	2. to find resistance of a given wire/ standard resistor using meter Bridge.	

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MONTH	UNIT / TOPICS	Hands-on Learning / Map Work / Project works	Art integrated Learning
	of a cell, combination of cells in series and in parallel. Kirchhoff's laws and simple applications. Wheatstone bridge.		
JUNE	Unit III-Magnetic Effects of Current and Magnetism Chapter 4: Moving Charges and Magnetism – Concept of magnetic field, Oersted's experiment. Biot - Savart law and its application to current carrying circular loop. Ampere's law and its applications to infinity long straight wire. Straight solenoids (only qualitative treatment), force on a moving charge in uniform magnetic and electric fields. Force on a current carrying conductor in a uniform magnetic field, force between two parallel current- carrying conductors- definition of ampere, torque experienced by a current loop in uniform magnetic field, moving coil galvanometer - its current sensitivity and conversion to ammeter and voltmeter. Current Loop as magnetic dipole moment and its magnetic dipole moment	To verify the law of combination (series) of resistance using a meter bridge. OR To verify the law of combination(parallel) of resistance using metre bridge	To assemble the component of a given electrical circuit.
PT - 1			

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MONTH	UNIT / TOPICS	Hands-on Learning / Map Work / Project works	Art integrated Learning
JULY	Chapter 5-Magnetism and Matter – Bar Magnet, bar magnet as an equivalent solenoid (qualitative treatment only), magnetic field intensity due to a magnetic dipole (bar magnet) along its axis and perpendicular to its axis (qualitative treatment only), torque on a magnetic dipole (bar magnet) in a uniform magnetic field (qualitative treatment only), magnetic field lines. Magnetic properties of materials para, Dia- and ferromagnetic substances with examples, Magnetization of materials, effect of temperature on magnetic properties. Unit IV-Electromagnetic Induction and Alternating Currents Chapter 6-Electromagnetic Induction Electromagnetic induction, Faraday's laws, induced EMF and current, Lenz's law, self and mutual induction.	To determine resistance of a galvanometer by half deflection method and to find its figure of merit.	To draw the diagram of a given an open circuit comprising at least a battery resistor/ rheostat, key, ammeter and voltmeter .Mark the components that are not connected in proper order and correct the circuit and also the circuit diagram
PT - 2			
AUGUST	Chapter-7: Alternating Current Alternating, currents, peak and RMS value of alternating current / voltage, reactance and impedance, LCR series circuit, resonance, power in AC circuits, power factor, watt less current, AC generator and transformer	To find the value of V for different value of u in case of a concave mirror and to find the focal length	To identify a diode and LED ,a resistor and a capacitor from a mixed collection of such items.

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MONTH	UNIT / TOPICS	Hands-on Learning / Map Work / Project works	Art integrated Learning
	Unit V- Electromagnetic Waves Chapter 8: Electromagnetic Waves Basic idea of displacement, current, Electromagnetic waves, their characteristics, their Transverse nature (qualitative ideas only). Electromagnetic spectrum (radio waves, microwaves, infrared visible, ultraviolet, X-rays, gamma rays) including elementary facts about their uses. Unit VI-Optics Chapter 9-Ray Optics and Optical Instruments Ray Optics: Reflection of light, spherical mirrors, mirror formula, refraction of light, total internal reflection and its applications, optical fibres, refraction at spherical surfaces, lenses, thin lens formula, lens maker's formula, magnification, power of a lens, combination of thin lenses in contact, combination of a lens in contact, refraction and dispersion of light through a prism. Optical Instruments: Microscopes and astronomical telescope (reflecting and refracting and their magnifying powers		

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MONTH	UNIT / TOPICS	Hands-on Learning / Map Work / Project works	Art integrated Learning
SEPT.	REVISION AND MID TERM EXAMINATION		
OCTOBER	Chapter 10-Wave Optics Wave optics: Wave front and Huygen's principle, reflection and refraction of plane wave at a plane surface using wave fronts, Proof of laws of reflection and refraction using Huygen's principle, Interference, Young's double slit experiment and expression for fringe width, coherent sources and sustained interference of light, Diffraction due to a single slit, width of central maximum (qualitative treatment only). Unit VII-Dual Nature of Radiation and Matter Chapter 11-Dual Nature of Radiation and Matter Dual Nature of Radiation, Photoelectric effect, Hertz and Lenard's observations, Einstein's photoelectric equation-particle nature of light. Matter waves-wave nature of particles, de Broglie relation. Experimental study of photoelectric effect. Matter waves-wave nature of particles, de-Broglie relation Unit VIII-Atoms and Nuclei Chapter 12-Atoms Alpha-particle scattering experiment,	To find the focal length of a convex lens by plotting graphs between u and v or between $1/u$ and $1/v$ To determine angle of minimum deviation for a given prism by plotting a graph between angle of incidence and angle of deviation	To observe refraction and lateral deviation of a beam of light incident obliquely on a given glass

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MONTH	UNIT / TOPICS	Hands-on Learning / Map Work / Project works	Art integrated Learning
	Rutherford's model of atom; Bohr model of hydrogen atom, Expression for radius of nth possible orbit, velocity and energy of electron in nth orbit, of hydrogen line spectra (qualitative treatment only). Chapter 13-Nuclei - Composition and size of nucleus, nuclear force Mass-energy relation, mass defect, binding energy per nucleon and its variation with mass number. nuclear fission, nuclear fusion.		
NOV.	Unit IX-Electronic Devices Chapter 14-Semiconductor Electronics Materials Devices and Simple Circuits Energy bands in conductors, semiconductors and insulators (qualitative ideas only) Intrinsic and extrinsic Semiconductor P and N type. p-n junction, semiconductor diode -I-V characteristics in forward and reverse bias, application of junction diode, diode as a rectifier.	To draw the I-V characteristic curve for PN junction diode in forward and reverse bias	To study, the nature and size of the image formed by a 1.convex lens or 2. Concave mirror on the screen by using a candle and a screen for different distances of the candle from the lens/mirror
	PT - 3		
DEC.	PRE BOARD EXAMINATION 1		
JAN.	PRE BOARD EXAMINATION 2		
FEB.	ANNUAL EXMINATION		

BIOLOGY

MONTH	UNIT / TOPICS	Activities (Chapter-wise)	Hands-on Learning / Map Work / Project works	Art integrated Learning
APRIL	CH - 1 Sexual Reproduction in Flowering Plants	Dissection of flowers and identification of reproductive parts	Pollen germination experiment (demonstration)	Storyboard showing floral pollination and fertilization.
	CH - 2 Human Reproduction	Model study of male and female reproductive systems	Labeling reproductive organs using clay models	Poster-making on reproductive health awareness
MAY - JUNE	CH - 3 Reproductive Health	Survey on adolescent health issues	Preparation of awareness pamphlets	Nukkad Natak/ infographic on family planning and STDs
	CH - 4 Principles of Inheritance and Variation	Pedigree analysis activity	Blood group inheritance chart preparation	Mendelian genetics comic strip
	CH - 5 Molecular Basis of Inheritance	DNA extraction from banana/onion	Construct DNA double helix model	DNA artwork using beads, threads, and recycled materials
JUNE : PT:-1 CHAPTER/ TOPICS:- Reproduction(Plants & Human) and Reproductive Health, DNA Replication.				
JULY	CH - 6 Evolution	Comparative study of homologous and analogous organs	Fossil time line creation	Evolutionary tree mural
	CH-7 Human Health & Diseases	Study of common diseases and pathogens	Awareness campaign on immunity and vaccination	Health education posters and digital illustrations

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MONTH	UNIT / TOPICS	Activities (Chapter-wise)	Hands-on Learning Map Work / Project works	Art integrated Learning
PT:-2 CHAPTER/ TOPICS:- Principle of inheritance and variation, Molecular basis of inheritance, Evolution, Biology and Human Welfare				
AUGUST	CH - 9 Microbes in Human Welfare	Observation of curd fermentation	Preparation of biofertilizer flowchart	Creative collage on beneficial microbes
	CH - 10 Bio- technology – Principles and Processes	Gel electrophoresis simulation/ Digital view.	DNA recombinant technology flowchart	3D biotechnology laboratory model
SEPTEMBER: TERM :-1/ HALF YEARLY EXAMINATION				
OCTOBER	CH - 10 Bio- technology and Its Applications	Case study on GM crops and gene therapy	Debate on bioethics and GM foods	Infographic design on biotechnology applications
	CH-11 Organisms and Populations	Quadrat method demonstration for population study	Field survey of local flora and fauna	Biodiversity sketchbook
	CH-12 Ecosystem	Food chain and food web construction	School campus ecosystem mapping	Diorama/model of ecosystem
NOV.	CH-13 Biodiversity and Conservation	Biodiversity audit of school/local area	Documentation of endangered species	Biodiversity art exhibition
	CH - 14 Environmental Issues	Water quality assessment (simple parameters)	Waste segregation project	Best-out-of-waste exhibition and environmental posters
DEC.	PRE-BOARD-1 (14TH DEC- 24TH DEC-2026)			
JAN.	PRE-BOARD- 2 (11TH JAN- 22ND JAN-2027)			
FEB.	ANNUAL EXAMINATION			

ACCOUNTANCY

MONTH	UNIT / TOPICS	Activities (Chapter-wise)	Hands-on Learning / Map Work / Project works	Art integrated Learning
APRIL	Accounting for Partnership Firms (Fundamental) Partnership: features, Partnership Deed. Provisions of the Indian Partnership Act 1932 in the absence of partnership deed. Fixed v/s fluctuating capital accounts. Preparation of Profit and Loss Appropriation account- division of profit among partners, guarantee of profits. Past adjustments (relating to interest on capital, interest on drawing, salary and profit sharing ratio). Goodwill: meaning, nature, factors affecting and methods of valuation - average profit, super profit and capitalization. Note: Interest on partner's loan is to be treated as a charge against profits. Goodwill: meaning, factors affecting, need for valuation, methods for calculation (average profits, super profits and capitalization), adjusted through partners capital/ current account.	Activities on Rules of Partnership Deed	Methods of preparing Capital Account.	Methods for Calculation of Goodwill

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MONTH	UNIT / TOPICS	Activities (Chapter-wise)	Hands-on Learning / Map Work / Project works	Art integrated Learning
MAY - JUNE	Accounting for Partnership firms - Reconstitution and Dissolution. Change in the Profit Sharing Ratio among the existing partners - sacrificing ratio, gaining ratio, accounting for revaluation of assets and reassessment of liabilities and treatment of reserves, accumulated profits and losses. Preparation of revaluation account and balance sheet.	Activities on Revaluation of Assets & Liabilities.	Treatment of Workmen Compensation Reserve.	Preparation of revaluation account and balance sheet.
			PT - 1 , Chapter - 1	
JULY	Admission of a partner - effect of admission of a partner on change in the profit sharing ratio, treatment of goodwill (as per AS 26), treatment for revaluation of assets and reassessment of liabilities, treatment of reserves, accumulated profits and losses, adjustment of capital accounts and preparation of capital, current account and balance sheet. Retirement and death of a partner: effect of retirement / death of a partner on change in profit sharing ratio, treatment of goodwill (as per AS 26), treatment for revaluation of assets and reassessment of liabilities, adjustment of accumulated profits, losses and reserves, adjustment of	Activities on Treatment of Goodwill-AS-26	The effect of change in profit sharing ratio on admission of a new partner.	Adjustment of Capital Account.
			PT - 2 , Chapter - 2 & 3	

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MONTH	UNIT / TOPICS	Activities (Chapter-wise)	Hands-on Learning / Map Work / Project works	Art integrated Learning
	capital accounts and preparation of capital, current account and balance sheet. Preparation of loan account of the retiring partner. Calculation of deceased partner's share of profit till the date of death. Preparation of deceased partner's capital account and his executor's account			
AUGUST	Dissolution of a partnership firm: meaning of dissolution of partnership and partnership firm, types of dissolution of a firm. Settlement of accounts - preparation of realization account, and other related accounts: capital accounts of partners and cash/bank a/c (excluding piecemeal distribution, sale to a company and insolvency of partner(s)). Note: (i) If the realized value of tangible assets is not given it should be considered as realized at book value itself. (ii) If the realized value of intangible assets is not given it should be considered as nil (zero value). (ii) In case, the realization expenses are borne by a partner, clear indication should be given regarding the payment thereof. Accounting for Share Capital Features and types of	Modes of Dissolution. Process of Issue of Shares.	Preparation of Realization A/c. Financial Statement of Company.	Story of Garner VS Murrey Story of Harshad Mehta.

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MONTH	UNIT / TOPICS	Activities (Chapter-wise)	Hands-on Learning / Map Work / Project works	Art integrated Learning
	companies. Share and share capital: nature and types. Accounting for share capital: issue and allotment of equity and preferences shares. Public subscription of shares - over subscription and under subscription of shares; issue at par and at premium, calls in advance and arrears (excluding interest), issue of shares for consideration other than cash. Concept of Private Placement and Employee Stock Option Plan (ESOP), Sweat Equity. Accounting treatment of forfeiture and reissue of shares. Disclosure of share capital in the Balance Sheet of a company.			
SEPT.	TERM-1/Half-Yearly EXAMINATION			
OCT.	Accounting for Debentures Debentures: Meaning, types, Issue of debentures at par, at a premium and at a discount. Issue of debentures for consideration other than cash; Issue of debentures with terms of redemption; debentures as collateral security-concept, interest on debentures (concept of TDS is excluded). Writing off discount / loss on issue of debentures. Note: Discount or loss on issue of debentures	Types of Debentures	Preparation of Statement of P/L	How to start one person company in India.

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MONTH	UNIT / TOPICS	Activities (Chapter-wise)	Hands-on Learning / Map Work / Project works	Art integrated Learning
	to be written off in the year debentures are allotted from Security Premium Reserve (if it exists) and then from Statement of Profit and Loss as Financial Cost (AS 16) Financial Statement Analysis: Financial statements of a Company: Meaning, Nature, Uses and importance of financial Statement. Statement of Profit and Loss and Balance Sheet in prescribed form with major headings and sub headings (as per Schedule III to the Companies Act, 2013) Note: Exceptional items, extraordinary items and profit (loss) from discontinued operations are excluded. Financial Statement Analysis: Meaning, Significance Objectives, importance and limitations. Tools for Financial Statement Analysis: Comparative statements, common size statements, Ratio analysis, Cash flow analysis. Accounting Ratios: Meaning, Objectives, Advantages, classification and computation. Liquidity Ratios: Current ratio and Quick ratio. Solvency Ratios: Debt to Equity Ratio, Total Asset to Debt Ratio, Proprietary Ratio and Interest Coverage Ratio. Debt to Capital Employed Ratio.			

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MONTH	UNIT / TOPICS	Activities (Chapter-wise)	Hands-on Learning / Map Work / Project works	Art integrated Learning
NOV.	Activity Ratios: Inventory Turnover Ratio, Trade Receivables Turnover Ratio, Trade Payables Turnover Ratio, Fixed Asset Turnover Ratio, Net Asset Turnover Ratio and Working Capital Turnover Ratio. Profitability Ratios: Gross Profit Ratio, Operating Ratio, Operating Profit Ratio, Net Profit Ratio and Return on Investment. Note: Net Profit Ratio is to be calculated on the basis of profit before and after tax. Cash Flow Statement: Meaning, objectives Benefits, Cash and Cash Equivalents, Classification of Activities and preparation (as per AS 3 (Revised) (Indirect Method only) Note: (i) Adjustments relating to depreciation and amortization, profit or loss on sale of assets including investments, dividend (both final and interim) and tax. (ii) Bank overdraft and cash credit to be treated as short term borrowings. (iii) Current Investments to be taken as Marketable securities unless otherwise specified. Note: Previous years' Proposed Dividend to be given effect, as prescribed	Calculation of different ratios.	Types of Ratios.	Preparation of Cash Flow Statement.

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MONTH	UNIT / TOPICS	Activities (Chapter-wise)	Hands-on Learning / Map Work / Project works	Art integrated Learning
	in AS-4, Events occurring after the Balance Sheet date. Current years' Proposed Dividend will be accounted for in the next year after it is declared by the shareholders.			
PT - 3, Chapter - 4 & 5				
DEC.	PRE-BOARD-I EXAMINATION			
JAN.	PRE-BOARD-II EXAMINATION, AISSCE (PRACTICAL)			
FEB.	ANNUAL EXAMINATION-2027			

BUSINESS STUDIES

MONTH	UNIT / TOPICS	Activities (Chapter-wise)	Hands-on Learning / Map Work / Project works	Art integrated Learning
APRIL	CHAPTER-1 Nature and Significance of Management concept, objectives, and importance. Management as Science, Art and Profession Levels of Management functions-planning, organizing, staffing, directing and controlling Coordination- concept and importance.	Group discussion on qualities of an effective management functions manager .	Prepare organizational charts of companies . Survey nearby shops to identify management functions.	Poster making on importance of management Mind map of management functions.
	CHAPTER-2 Principles of Management concept and significance Fayol's principles of management Taylor's Scientific management - principles and techniques.	Role play on Quiz on Fayol and Taylor principles Case study discussion on successful business organizations	Project on application of scientific management in daily life.	Creative chart on Fayol's principles.
MAY - JUNE	CHAPTER-3 Business Environment Business Environment- concept and importance Dimensions of Business Environment - Economic, Social, Technological, Political and Legal Demonetization - concept and features.	Debate on impact of technology on business Newspaper article collection activity	Scrapbook on business environment changes.	Collage on dimensions of business environment.

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MONTH	UNIT / TOPICS	Activities (Chapter-wise)	Hands-on Learning / Map Work / Project works	Art integrated Learning
	CHAPTER -4 Planning Planning: Concept, importance and limitation Planning process Single use and Standing Plans. Objectives, Strategy, Policy, Procedure, Method, Rule, Budget and Programme.	Classroom planning activity for school event Presentation on recent government policies	Flowchart of planning process .	Poster on importance of planning . Infographic on planning steps. Mind map on types of plans.
	CHAPTER -5 Organising: Concept and importance Organising Process Structure of organisation- functional and divisional concept. Formal and informal organization - concept	Group activity on preparing plans for school events. Classroom discussion on formal and informal organisation Quiz on types of plans and organisation structures	Draw organisational structures of companies. Project report on organising functions in school management.	Poster on the importance of planning and organising . Creative chart of organisational structures.
JUNE : PT:-1 CHAPTER/ TOPICS:- CHAPTER-1 (NATURE AND SIGNIFICANCE OF MANAGEMENT) AND CHAPTER -2 (PRINCIPLES OF MANAGEMENT)				
JULY	CHAPTER-5 Organising Delegation: concept, elements and importance Decentralization: setup concept and importance.	Case study on successful organisational setup	Project report on organising functions in school management.	Creative chart of organisational structures.

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MONTH	UNIT / TOPICS	Activities (Chapter-wise)	Hands-on Learning / Map Work / Project works	Art integrated Learning
	CHAPTER- 6 Staffing Staffing: Concept and importance of staffing Staffing as a part of Human Resource Management concept Staffing process Recruitment process Selection – process. Training and Development - Concept and importance, Methods of training - on the job and off the job - vestibule training, apprenticeship training and internship training.	Mock interview and recruitment activity . Role play on delegation and directing . Group discussion on motivation techniques. Presentation on HR practices in companies.	Prepare resume and job application formats. Survey on employee motivation methods.. Project on staffing process in a business organisation.	Infographic on staffing process.
	CHAPTER -7 Directing Directing: Concept and importance. Elements of Directing. Motivation - concept, Maslow's hierarchy of needs, Financial and non-financial incentives. Leadership - concept, styles - authoritative, democratic and laissez faire.	Role play activities on leadership. Role play activities on leadership.	Prepare flowchart of communication process.	Create a pyramid chart of Maslow's hierarchy of needs. Poster on the importance of teamwork and motivation. Poster on effective communication skills.
PT:-2 CHAPTER/ TOPICS:- CHAPTER - 4 (PLANNING) AND CHAPTER-5 (ORGANIZING)				

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MONTH	UNIT / TOPICS	Activities (Chapter-wise)	Hands-on Learning / Map Work / Project works	Art integrated Learning
AUGUST	CHAPTER- 7 Directing Communication - concept, formal and informal communication; barriers to effective communication, how to overcome the barriers?	Role play on formal and informal communication . Classroom activity on communication barriers.	Survey on communication methods used in school/business.	Mind map on barriers to communication.
	CHAPTER- 8 Controlling Controlling - Concept and importance. Relationship between planning and controlling. Steps in process of control.	Case study on controlling process in organization. Revision quiz and group discussion.	Project report on importance of controlling in management.	Creative chart showing steps in controlling process.
SEPTEMBER: TERM :-1/ HALF YEARLY EXAMINATION				
OCT.	CHAPTER- 9 Financial Management. Financial Management : Concept, role and objectives. Financial decisions: investment, financing and dividend - Meaning and factors affecting. Financial Planning - concept and importance. Capital Structure – concept and factors affecting capital structure. Fixed and Working Capital - Concept and factors affecting their requirements.	Group discussion on importance of savings and investment.	Prepare charts on sources of finance.	Poster making on financial literacy .

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MONTH	UNIT / TOPICS	Activities (Chapter-wise)	Hands-on Learning / Map Work / Project works	Art integrated Learning
	CHAPTER-10 Financial Market Financial Markets: Concept. Money Market: Concept. Capital market and its types (primary and secondary). Stock Exchange - Functions and trading procedure. Securities and Exchange Board of India (SEBI) - objectives and functions.	Mock stock market activity. Presentation on role of SEBI. Quiz on financial terms.	Prepare a project on stock exchanges in India. Collect newspaper reports related to stock market trends.	Infographic on capital market structure. Creative chart on functions of SEBI.
NOV.	CHAPTER-11 Marketing – Concept, functions and philosophies. Marketing Mix – Concept and elements. Product – branding, labelling and packaging – Concept. Price - Concept, Factors determining price. Physical Distribution – concept, components and channels of distribution. Promotion – Concept and elements; Advertising, Personal Selling, Sales Promotion and Public Relations.	Group discussion on importance of marketing. Analyse advertisements in newspapers Marketing Mix-4Ps activity. Role play : Sales Person and customer.	Prepare a chart on Marketing Mix (4Ps) with examples. Collect different brands of products and analyse their packaging and labelling. Survey on factors affecting price of a product.	Design a brand logo and slogan for a product. Advertisement making (print or digital).

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MONTH	UNIT / TOPICS	Activities (Chapter-wise)	Hands-on Learning / Map Work / Project works	Art integrated Learning
	CHAPTER-12 Consumer Protection Consumer Protection: Concept and importance. The Consumer Protection Act, 2019: Source: Meaning of consumer Rights and responsibilities of consumers Who can file a complaint? Redressal machinery Remedies available. Consumer awareness - Role of consumer organizations and Non-Governmental Organizations (NGOs).	Case study on consumer exploitation. Quiz on Consumer Protection Act, 2019. Debate on 'Consumer Rights'.	Prepare a poster on 'Consumer Rights'. Project on Consumer Protection Act, 2019 - Important Features. Prepare a report on any consumer organisation or NGO.	Poster on 'Say No to Unfair Trade Practices' Brochure on 'Consumer Awareness' Collage on famous consumer organisations in India
	PT:-3 CHAPTER/ TOPICS:- CHAPTER - 9 (FINANCIAL MANAGEMENT) AND CHAPTER-10 (FINANCIAL MARKET)			
DEC.	PRE-BOARD-1 (14TH DEC- 24TH DEC-2026)			
JAN.	PRE-BOARD- 2 (11TH JAN- 22ND JAN-2027) and AISSCE (PRACTICAL)			
FEB.	ANNUAL EXAMINATION			

ECONOMICS

MONTH	UNIT / TOPICS	Activities (Chapter-wise)	Hands-on Learning / Map Work / Project works	Art integrated Learning
APRIL	Unit 1: National Income and Related Aggregates What is Macroeconomics? Basic concepts: consumption goods, capital goods, final goods, intermediate goods; stocks and flows; gross investment and depreciation; circular flow of income (two-sector model); GDP and welfare. Part B – Indian Economy on the Eve of Independence State and structure of the Indian economy at the time of independence.	● Group Discussion ● Quiz ● Concept Mapping	Draw the circular flow of income (two-sector model) Project on welfare measures	Poster making on circular flow of income Chart on welfare measures
MAY - JUNE	Part A – Unit 1: Methods of Calculating National Income Value Added/Product method, Expenditure method, Income method; aggregates – GNP, NNP, GDP, NDP (at market price, at factor cost); real and nominal GDP. Part B – Indian Economy 1950–1990 Introduction and goals of the Five-Year Plans; common goals of the plans; main features, problems and policies of agriculture (institutional aspects and new agricultural strategy), industry (IPR 1956; role and	● Problem Solving ● Case Study ● Group Activity Quiz	Calculate national income by different methods Prepare a table of aggregates (GNP, NNP, NDP, GDP)	Chart on goals of the Five-Year Plans Timeline of the Five-Year Plans
JUNE : PT - 1 (Chapter / Topic)				

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MONTH	UNIT / TOPICS	Activities (Chapter-wise)	Hands-on Learning / Map Work / Project works	Art integrated Learning
	importance of SSIs) and foreign trade. Part A – Unit 2: Money and Banking. Money - meaning and functions, supply of money currency held by the Public and net demand deposit held by the commercial banks. Money creation by the commercial banking system. Central bank and its functions (example: RBI) – bank of issue, government's bank, banker's bank; control of credit through Bank Rate, CRR, SLR, Repo Rate and Reverse Repo Rate, open market operations, margin requirement.			
JULY	Part B – Economic Reforms since 1991 Features and appraisal of liberalisation, globalisation and privatisation (LPG policy); concepts of demonetisation and GST. Part A – Unit 3: Determination of Income and Employment Aggregate demand and its components; propensity to consume and propensity to save (average and marginal); short-run equilibrium output	● Group Discussion ● Quiz ● Concept Mapping	Prepare a flow chart of Economic Reforms since 1991	Poster on Liberalisation, Privatisation and Globalisation
PT - 2 (Chapter / Topic)				
AUG.	Part A Investment multiplier and its mechanism; meaning of full employment and involuntary unemployment; problems of	● Problem Solving ● Case Study ● Group Activity Quiz	Table on measures to correct excess and deficient demand	Poster on measures to correct excess and deficient demand

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MONTH	UNIT / TOPICS	Activities (Chapter-wise)	Hands-on Learning / Map Work / Project works	Art integrated Learning
	excess demand and deficient demand; measures to correct them – changes in government spending, taxes and money supply. Part B – Human Capital Formation How people become a resource; role of human capital in economic development; growth of education.			
TERM - 1 EXAMINATION				
SEPT.	Part B – Rural Development Key issues – credit and marketing, role of cooperatives; agricultural diversification; alternative farming – organic farming.	● Group Discussion ● Quiz ● Concept Mapping	Graph on government expenditure trends	Poster on the role of cooperatives in rural development
OCT.	Part A – Unit 4: Government Budget and the Economy Government budget – meaning, objectives and components; classification of receipts (revenue and capital) and expenditure (revenue and capital); balanced, surplus and deficit budget – measures of government deficit. Part B – Employment Growth and changes in workforce participation rate in formal and informal sectors ; problems and policies Project work as per CBSE guidelines.	● Group Discussion ● Quiz ● Concept Mapping	Graph on government expenditure trends	Poster on the importance of the government budget Collage on government expenditure and public services

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MONTH	UNIT / TOPICS	Activities (Chapter-wise)	Hands-on Learning / Map Work / Project works	Art integrated Learning
NOV.	Part B – Sustainable Economic Development Meaning; effects of economic development on resources and environment, including global warming. Unit 8 – Development Experience of India: a comparison with neighbours (India–Pakistan, India–China) on economic growth, population, sectoral development and other human development indicators. Part A – Unit 5: Balance of Payments Balance of payments account – meaning and components; surplus and deficit; foreign exchange rate – fixed, flexible and managed floating rates; determination of exchange rate in a free market; merits and demerits of flexible and fixed exchange rates; managed floating exchange rate system.	● Problem Solving ● Case Study ● Group Activity ● Quiz	Diagram on components of the Balance of Payments account	Infographic on Balance of Payments components
	PT - 3 (Chapter / Topic)			
DEC.	PRE-BOARD-I EXAMINATION			
JAN.	PRE-BOARD-II EXAMINATION & AISSEE (PRACTICAL)			
DEC.	ANNUAL EXAMINATION			

GROGRAPHY

MONTH	UNIT / TOPICS	Activities (Chapter-wise)	Hands-on Learning / Map Work / Project works	Art integrated Learning
APRIL	CH-1 Human Geography Nature and Scope	Fields and Sub-fields of Human Geography. Migration	Determinism, Possibilism and Neo-Determinism	Different approaches of Human Geography.
	Ch - 2 The World Population - Distribution, Density and Growth	Demographic Transition Theory	Demographic Transition Model	Demographic Transition Model, Push and Pull Factors of Migration
	Ch - 1 India - Population - Distribution, Density, Growth & Composition	Mapping	Map Skills- States with Highest and Lowest Population, Population Density.	Man Land ratio, growth phases of India's population
MAY - JUNE	CH-3 Human Development	Compare HDI scores of five different nations.	Project Work on Comparative study of HDI in two villages near your area. Settlement types.	Four pillars of HDI
	CH-4 Primary Activities	Different Agricultural system of the World	Map skills- Areas of Subsistence gathering, Nomadic herding, Commercial livestock farming, extensive commercial grain farming.	Different farming techniques.
	CH-2 Human Settlements	Different types and Pattern of Human settlement in India.	Identification of Human settlement patterns of human settlement in India	Different types of Human settlement

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MONTH	UNIT / TOPICS	Activities (Chapter-wise)	Hands-on Learning / Map Work / Project works	Art integrated Learning
	CH-1 Practical Geography- Data-Its source and Compilation			
JUNE :PT:-1 CHAPTER/ TOPICS:- C1: Human Geography Nature and Scope, C2: The World Population – Distribution, Density and Growth.				
JULY	CH-5 Secondary Activities	Flow chart: trace a raw material from farm to finished products.	Carryout a survey in your school premises of the factory-made goods used by students and the staff.	Industrial location,
	CH-3 Land Resources and Agriculture	Cropping seasons, Green Revolution	Map skills- Leading producing states for key crops-Rice, Jute, Wheat, Sugarcane, Cotton, Tea and Coffee.	Effects of Green Revolution
	CH-4 Water Resources	Different water conservation methods by govt	Neeru Merru, Johad, Watershed management	Rainwater harvesting.
	CH-2 Practical Geography- Data Processing.			
PT:-2 CHAPTER/ TOPICS:- CH-3 Land Resources and Agriculture, CH-5 Secondary Activities				
AUGUST	CH-6 Tertiary and Quaternary Activities	Find out the activities of BPO	Different collar workers	Tourism service sector.
	CH-5 Mineral and Energy Resources	Sustainable development and ways to preserve India's exhaustible resource base	Map skills- Iron Ore mines, Coal Mines, Oil refineries.	Solar power, Wind Power

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MONTH	UNIT / TOPICS	Activities (Chapter-wise)	Hands-on Learning / Map Work / Project works	Art integrated Learning
	CH-6 Planning and Sustainable Development in Indian Context	The impact of the Integrated Tribal Development Project (ITDP) in the Bharmaur region of Himachal Pradesh	Focus on economically and ecologically backward regions. Examples: Hill Area Development Programme (HADP), Drought Prone Area Programme (DPAP), and Desert Development Programme	Planning Map
SEPTEMBER: TERM :-1/ HALF YEARLY EXAMINATION				
OCT.	CH-7 Transport & Communication	Trace the path of the Trans-Siberian Railway on a map.	Project on Indian Railway services.	Railways, Waterways
	CH-8 International Trade	Examine household items to find their countries of origin	International Trade: Changing Patterns, Composition, and Ports as Gateways	Suez Canal, Panama Canal
	CH-7 Transport and Communication	Chart the evolution of communication from post to internet	Map Skills- Major terminal stations of railway, Major Sea ports, Airports, Inland Waterways of World and India.	The evolution from personal communication (letters, phones) to mass communication (satellite, television, radio).
	CH-3 Practical Geography- Graphical Represents of Data			

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MONTH	UNIT / TOPICS	Activities (Chapter-wise)	Hands-on Learning / Map Work / Project works	Art integrated Learning
NOV.	CH-8 International Trade	Research India's major sea ports and their main export items.	Map Skills- Major Sea ports and Airports of India	Understanding Favorable vs. Unfavorable Balance of Trade and India's chronic trade deficit
	CH-9 Geographical Perspectives on Selected Issues and Problems	Problems of unscientific solid waste disposal and growth of slums in metropolitan cities	Project on Environmental Pollution, Slums	Environmental Pollution
	CH-4 Practical Geography – Spatial Information Technology.			
PT:-3 CHAPTER/ TOPICS:- CH-7 Transport & Communication, CH-8 International Trade				
DEC.	PRE-BOARD-1 (14TH DEC- 24TH DEC-2026)			
JAN.	PRE-BOARD- 2 (11TH JAN- 22ND JAN-2027)			
FEB.	ANNUAL EXAMINATION			

HISTORY

MONTH	UNIT / TOPICS	Activities (Chapter-wise)	Hands-on Learning / Map Work / Project works	Art integrated Learning
APRIL	CH-1 BRICKS, BEADS AND BONES THE HARAPPAN CIVILISATION	Collect pictures of Harappan seals, beads, pottery, toys, and tools. Paste them on a chart.	MAP WORK - MATURE HARAPPAN SITES; IMPORTANT SITES OF HARAPPA	Design necklaces, bangles, and bead ornaments using colored beads, paper, or clay inspired by Harappan jewellery.
MAY - JUNE	CH-2 KINGS, FARMERS AND TOWNS EARLY STATES AND ECONOMIES (C.600 BCE TO 600 CE)	Mark the 16 Mahajanapadas and their capitals on an outline map of India. Identify important rivers and trade routes.	MAP WORK - MAHAJANAPADA AND CITIES DISTRIBUTION OF ASHOKAN INSCRIPTIONS- PILLAR INSCRIPTIONS. KINGDOMS OF CHOLAS, CHERAS AND PANDYAS. IMPORTANT KINGDOMS AND TOWNS.	Prepare a collage showing farming activities such as ploughing, irrigation, harvesting, cattle rearing, and grain storage using drawings or magazine cut-outs.
JUNE: PT: -1 CHAPTER/ TOPICS: -				
JULY	CH-3 KINSHIP, CASTE AND CLASS (EARLY SOCIETIES) (C.600 BCE TO 600 CE) CH-4 THINKERS, BELIEFS AND BUILDINGS CULTURAL DEVELOPMENT (C.600 BCE TO 600 CE)	Prepare a time line showing important developments from 600 BCE to 600 CE, including the composition of		Illustrate the attire and ornaments of different social groups during 600 BCE–600 CE and label each figure

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MONTH	UNIT / TOPICS	Activities (Chapter-wise)	Hands-on Learning / Map Work / Project works	Art integrated Learning
	CH-3 KINSHIP, CASTE AND CLASS (EARLY SOCIETIES) (C.600 BCE TO 600 CE) CH-4 THINKERS, BELIEFS AND BUILDINGS CULTURAL DEVELOPMENT (C.600 BCE TO 600 CE)	major texts, the rise of kingdoms, and social changes.		with its role in society.
AUGUST	CH-5 THROUGH THE EYES OF TRAVELLERS PERCEPTIONS OF SOCIETY ●(C.10TH TO 17TH CENTURIES) ●CH-6 BHAKTI- SUFI TRADITIONS ●CHANGES IN RELIGIOUS BELIEFS AND DEVOTIONAL TEXTS ●(C.8TH TO 18TH CENTURIES)	Divide students into groups representing Al-Biruni, Ibn Battuta, and François Bernier. Each group writes a one-page diary entry describing India from the perspective of their assigned traveller.	Mark the routes followed by Ibn Battuta, Al-Biruni, and François Bernier on a world map.	Create a travel scrapbook with: Illustrations of monuments visited Traditional clothing Markets Festivals Short notes on each traveller's observations
SEPT.	MID -TERM / HALF YEARLY EXAMINATION			
OCT.	CH-7 AN IMPERIAL CAPITAL VIJAYANAGARA C.14TH TO 16TH CENTURIES) CH-8 PEASANTS, JAMINDARS AND STATES AGARAIRAN SOCIETY AND THE MUGHAL EMPIRE C.16TH TO 17TH CENTURIES)	Group Presentation Each group presents one traveller and explains what he observed about India's economy, society, administration, and culture.	MAP WORK - TERRITORIES UNDER BABUR, AKBAR, AND AURANGZEB MAP WORK – VIJAYANAGAR, CHANDRAGIRI, MYSORE, BIDAR AND GOLCONDA.	Prepare charts on any one Bhakti or Sufi saint, including: Life Teachings Literary works Social message

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MONTH	UNIT / TOPICS	Activities (Chapter-wise)	Hands-on Learning / Map Work / Project works	Art integrated Learning
NOV.	CH-9 COLONIALISM AND THE COUNTRY SIDE EXPLAINING OFFICIAL ARCHIVES CH-10 REBELS AND THE RAJ 1857 REVOLT AND ITS REPRESENTATIONS	Create a time line of important agrarian policies and peasant movements during British rule.	MAP WORK-MAIN CENTRES OF THE REVOLT OF 1857 TERRITORIES / CITIES UNDER BRITISH CONTROL IN 1857	Mark major centres of the Revolt of 1857 such as Meerut, Delhi, Kanpur, Lucknow, Jhansi, and Gwalior on an outline map of India.
DEC.	CH-11 MAHATMA GANDHI AND THE NATIONALIST MOVEMENT CIVIL DISOBEDIENCE AND BEYOND CH-12 FRAMING THE CONSTITUTION THE BEGINNING OF A NEW ERA	Prepare a time line showing major events: Champaran Satyagraha Kheda Satyagraha Non- Cooperation Movement Salt March Quit India Movement	MAP WORK - IMPORTANT CENTRES OF THE NATIONAL MOVEMENT	Design a poster on the theme "Truth and Non- Violence" with Gandhi's messages and symbols such as the spinning wheel (Charkha) and the Indian tricolour.
JAN.	REVISION			
FEB.	BOARD EXAM.			

POLITICAL SCIENCE

MONTH	UNIT / TOPICS	Activities (Chapter-wise)	Hands-on Learning / Map Work / Project works	Art integrated Learning
APRIL	CH1. The End of Bipolarity.	Soviet States Map study. Event Timeline & Berlin Wall Drop. Map the Transition Cold war Profile cards.	Hands-on project files activities designed to help students master the "The End of Bipolarity". Shock Therapy Case Study. Ideological debates	Capitalism vs. Communism infographic. Cold war Diplomatic Analysis.
	CH2. Contemporary Centres of power.	Map alternative trade blocs (like ASEAN, BRICS, and EU) on interactive Globes. Power Profile Infographic Leader Spotlight	Conduct a Mock UN security Council debates on global crises	Create a political cartoon Analysis comparing the economic vs. military power of these nations.
MAY - JUNE	CH3. Challenges of Nation Building.	Hands-on activities like Cartographic mapping of princely states Debate and Role -play.	Primary source document Analysis of 1947 partition account. Role play debate on linguistic states reorganization.	Thematic Timelines & Cartoon analysis
JUNE : PT - 1 Chapter / Topic - Ch - 1				

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MONTH	UNIT / TOPICS	Activities (Chapter-wise)	Hands-on Learning / Map Work / Project works	Art integrated Learning
	CH4. Contemporary South Asia.	Interactive, research - based activities SAARC & Trade simulation Visible thinking Routines	Oral history & interviews with partition survivors. Geo-political simulation Comparative Political Analysis Timeline of Independence Political cartoon Creative Writing/ Op-Eds.	Project files output Country profile mini- posters Visual timeline
JULY	CH5. Era of one Party Dominance.	Mock Ballots Creation Newspaper Front page Case Studies	Political party convention. Role - play press Conferences Comparative Analysis	Project files report. Interactive & creative project files Diplomat project
	CH6. International Organizations.	Mock Model United Nations (MUN) , Case Studies debates Jigsaw Presentation Virtual Tours Campaign Design	Aesthetic portfolios Role -play & simulation Negotiation Simulation Case study Activities	Project files report. Interactive & creative project files
PT - 2 Chapter / Topic - Ch - 1				

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MONTH	UNIT / TOPICS	Activities (Chapter-wise)	Hands-on Learning / Map Work / Project works	Art integrated Learning
AUGUST	CH7. Security in the Contemporary World	Practical Activities Role -play simulation Case study portfolios Model United Nations (MUN)	Newspaper Archive Conflict case Studies. Non -traditional threats. Environmental Mapping	Comparative Analysis charts Interactive & Creative project files report.
	CH8. Politics of planned Development.	Mock commissions and case study analysis Activities that Move beyond rote memorization. Editorial Reviews	Policy Timeline Mock Planning Commission/ NITI Aayog Debates. Stakeholders Role -play	Economic Model Comparison. Policy Timeline Infographic Interactive & creative project files.
SEPTEMBER: TERM :-1/ HALF YEARLY EXAMINATION				
OCT.	CH9. Environment and Natural resources	Conducting audits, Mapping local ecosystem Creating awareness Campaigns Trash - to - treasure Upcycling.	Renewable vs.Non- Renewable sorter Nature Scavenger hunt & Ecosystem Mapping Local Environmental Policy Review	Resources consumption Audit. Project files addition Sustainable Art & Posters

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MONTH	UNIT / TOPICS	Activities (Chapter-wise)	Hands-on Learning / Map Work / Project works	Art integrated Learning
	CH10. India's External Relations	Interactive & Visual Elements Decade -by- Decade Timelines Research & Analytical Tasks Comparative Analysis Table	Incorporate hands - on activities that transform textbook theories into an immersive learning experience. Map Mapping exercise (NAM). Role -play/Policy Draft . Case study & students Extension.	Political cartoon Analysis. Interactive & creative project files.
NOV.	CH11. Challenges to and Restoration of the Congress system.	Mock Press Conference Ideological debates Slogan Analysis Primary source & Manifesto Review	Electoral Map Analysis. Political cartoon Analysis/ study Thematic Timelines. Comparative essay Coalition and Definition case study	Excellent project files activities include. Chat paper projects.
	CH12. Globalisation.	Product Supply Chain Analysis Role -play & Debates. Cultural & Media Exchange. Eco - Footprint Calculation	Tracking product supply chains Debating the pros and Cons of trade. Mapping cultural or technological exchange	Project Files integration Interactive & creative project files.
PT - 3 Chapter / Topic - Ch - 3				

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MONTH	UNIT / TOPICS	Activities (Chapter-wise)	Hands-on Learning / Map Work / Project works	Art integrated Learning
DEC.	CH13. The crisis of Democratic order.	Conducting Mock Trials or Debates Mock judiciary & Case Law Study. Post - Emergency lesson plan.	Mapping historical timeline Hands-on tasks. Comparative Timeline & Mapping . Role -play & debates Media Analysis & Censorship check .	Project files including analyzing constitutional crises . Interactive & Creative project files activities Biographical Sketches
	CH14. Regional Aspirations	Conducting Mock interviews with community leaders. Interactive and Research - Based activities Mock interview.	Creating comparative art- integrated case Studies. Mapping regional movements, and analyzing regional media. Timeline creation. News Media Analysis.	Creative and Experimental Task. Arts integrated projects Role -playing / Mock Parliament
JAN.	CH15. Recent Developments in Indian Politics.	Important Themes & Topics to include. Social & Caste Politics. Regional aspirations. Mock coalition negotiation Case study	Chronological Time lines Scramble. Coalition simulation. Political party Manifesto Analysis. Mock Parliament debates.	Core Activities for Your project files. Press Clipping files Policy impact chart.
FEBRUARY -2027 : ANNUAL EXAMINATION				

COMPUTER

MONTH	Chapter	TOPICS	Art integrated Learning	Hands-on Learning / Map Work / Project works
APRIL	Revision of the basic of Python covered in Class-XI	Variables and Data Types, Keywords, Mutable and immutable Types, Operators and Operands, Lists, Type Casting, Flow of Execution, Strings, Lists, Tuples, Dictionary	Create a concept map/poster showing Python data types and function flow.	Write Python programs on variables, functions and scope.
	Functions	Types of function(built-in functions, functions defined in module, user defined functions), creating user defined function, arguments and parameters, default parameters, positional parameters, function returning value(s), flow of execution, scope of a variable (global scope, local scope).	Design an infographic on common programming errors and exception handling.	Develop programs using try-except-finally.
MAY	Exception Handling	Exception Handling: Introduction, Handling exceptions using try- except-finally Blocks.	Prepare a file-management workflow chart with illustrations.	Create, read and modify text files.
JUNE	Types of files	Introduction to files, types of files(Text file, Binary file, CSV file), relative and absolute paths opening a text file, text file open modes (r, r+, w, w+, a, a+),closing a text file, opening a file using with clause, writing/appending data to a text file using write() and writelines(), reading from	Draw a visual comparison of text and binary files.	Perform read/write/ search/update using pickle.

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MONTH	Chapter	TOPICS	Art integrated Learning	Hands-on Learning / Map Work / Project works
		a text file using read(), readline() and readlines(), seek and tell methods, manipulation of data in a text file.		
JULY	Binary file	Basic operations on a binary file: open using file open modes (rb, rb+, wb, wb+, ab, ab+), close a binary file, import pickle module, dump() and load() method, read, write/create, search, append and update operations in a binary file.	Make a poster showing real-life applications of stacks and databases.	Implement stack using lists.
AUGUST	Stack, Data Structure	Stack, operations on stack (push & pop), implementation of stack structure using list. Database concepts: introduction to database, concepts and its need	Mind map of completed syllabus.	Revision worksheets and practical practice.
SEPT.	HALF YEARLY EXAM			
OCT.	Relational Data Model & SQL	Relation, attribute, tuple, domain, degree, cardinality, keys (candidate key, primary key, mode alternate key, foreign key). Introduction, Data Definition Language and Data Manipulation Language, data type(char(n), varchar(n),int, float, date), constraints (not null, unique, primary key), create database, use database,	Create network topology models/posters and compare communication media. Design an ER diagram and database schema chart.	Connect Python with MySQL and perform CRUD operations. Create tables and execute SQL queries

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MONTH	Chapter	TOPICS	Art integrated Learning	Hands-on Learning / Map Work / Project works
		show databases, drop database, show tables, create table, describe table, alter table(add and remove an attribute, add and remove primary key), drop table, insert, delete, select, operators (mathematical, relational and Logical), aliasing, distinct clause, where clause, in, between, order by, meaning of null, is null, is not null, like, update command, delete command, aggregate functions (max,min,avg,sum,count), group by, having clause, joins: cartesian product on two tables, equi-join and natural join.		
NOV.	Interface of Python with My Sql Database Communication and Network Concept	Connecting SQL with Python, performing insert, update, delete queries using cursor, display data by using connect(), cursor(), execute(), commit(), fetchone(), fetchall(), rowcount, creating database, connectivity applications, use of %s format specifier or format() to perform queries Types of Networks, Evolution of Networking, Switching Techniques, Data Communication Terminologies, Transmission Media, Network	Revision charts and concept maps. Integrated revision sheets. Quick visual notes	Full practical revision. Mock practicals and viva practice Final practical revision

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MONTH	Chapter	TOPICS	Art integrated Learning	Hands-on Learning / Map Work / Project works
		show databases, drop database, show tables, create table, describe table, alter table(add and remove an attribute, add and remove primary key), drop table, insert, delete, select, operators (mathematical, relational and Logical), aliasing, distinct clause, where clause, in, between, order by, meaning of null, is null, is not null, like, update command, delete command, aggregate functions (max,min,avg,sum,count), group by, having clause, joins: cartesian product on two tables, equi-join and natural join.		
DEC.	Pre-Board - 1			
JAN.	Pre-Board - 2			
FEB.	Board Exam.			

PHYSICAL EDUCATION

MONTH	Unit / Topics	Activities	Hands-on Learning / Map Work / Project works	Art integrated Learning
APRIL	CH-1 Management of Sporting Events	Sports event planning	Fixture preparation	Sports Day poster
	Ch - 2 Children & Women in Sports	Case study	Survey report	Collage
MAY	Ch - 3 Yoga as Preventive Measure	Yoga demo	Yoga record file	Yoga chart
PT - 1				
JUNE	Ch - 4 Sports for CWSN	Discussion	Observation report	Awareness poster
JULY	Ch - 5 Sports & Nutrition	Diet Discussion	Diet chart	Food pyramid
PT - 2				
AUGUST	Ch - 6 Test & Measurement in Sports	Fitness tests	Score analysis	Graphs
	Ch - 7 Physiology & Injuries in Sport	First aid demo	Professional	Human body chart
	Ch - 8 Biomechanics and Sports	Movement analysis	Skill analysis	Lever chart
SEPT.	REVISION AND MID TERM EXAMINATION			
OCT.	Ch - 9 Psychology and Sports	Group discussion	Assessment activity	Mind map
NOV.	Ch - 10 Training in Sports	Training schedule	Fitness programme	Training chart
DEC.	Pre-Board Examination - 1			
JAN.	Pre-Board Examination - 2			
FEB.	Annual Examination			

PAINTING

MONTH	UNIT / TOPICS	Activities (Chapter-wise)	Hands-on Learning / Map Work / Project works	Art integrated Learning
APRIL	UNIT-I 1.(a) Six Limbs of Indian painting(Shadangas) (b) Fundamentals of visuals Arts-point, Line, Shape, Form, Texture,Tone,Space & Colour-types of colour, properties of colour (C) Principles of – Balance, Emphasis, Rhythm, Variety, Harmony/Unity, perspective, Vanishing point, Foreshortening 2 . Indian Miniature Painting -Introduction and Main Features (i) Pala school of Miniature Painting -Introduction & Main features (ii)/Western school /Jain School of painting -Introduction &Main features (iii) Central Indian miniature painting -Introduction & Main Features 3. Rajasthani school of painting –Geographical situation, origin & Development, Sub-Schools- Mewar school, Bundi school, Jodhpur school, Bikaner school, Kishangarh school, Jaipur School Main Features of Rajasthani school	How to use space division in a composition or object drawing (2D Surface)	Make Newton's Colour Wheel Chart	(i) Draw and Colour a beautiful Festival Composition (ii) Object Drawing

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MONTH	UNIT / TOPICS	Activities (Chapter-wise)	Hands-on Learning / Map Work / Project works	Art integrated Learning
MAY - JUNE	Study of Rajasthani paintings– (i) Maru Ragini (Mewar school)- Sahibdin (ii) Raja Aniruddha Singh Hara(Bundi school)-Utkal Ram (iii) Chaugan players(Jodhpur school)-Dana (iv Krishna on swing (Bikaner school) – Nuruddin (v) Radha (Bani-Thani)- Kishangarh school- Nihal Chand (Vi) Bharat Meets Rama at Chitrakuta (Jaipur School)- Guman	Story telling – (i) Maru Ragini story (ii) Nagari Das's contribution & his biography	(i) Map work- Rajasthan and different sub-schools (ii) Draw & colour Radha (Bani-Thani) Image	(i) Composition – Market scene (ii) Still-life
JULY	Unit-I 4 .Pahari school of Miniature Painting –Geographical Situation, Origin and Development, sub-School- Basohli, Kangra, Guler, Chamba, Garhwal, Kullu - Mandi, jammu & Panjab Main Features of Pahari School Study of Pahari Miniature painting – (i) Krishn With Gopis-(Basohli) -Manaku (ii)Nand , Yashoda and krishna with Kinsmen Going To Vrindavana-Nainsukh	Story telling – Special contribution of homeless artists of Mughal court in the development of Pahari School.	Project- (i) Write a short note on Chamba Rumal (i) Famous King Raja Sansar Chand & his Contribution	(i) Make a beautiful Indian Folk Art (Soharai) (ii) 2D Rangoli Art (iii) Object Drawing

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MONTH	UNIT / TOPICS	Activities (Chapter-wise)	Hands-on Learning / Map Work / Project works	Art integrated Learning
AUGUST	UNIT-II 5 .Mughal School of Miniature Painting -origin & Development, famous Painters, Diagram of mughal Genealogy, Characteristics of Mughal painting Study of Mughal paintings- (i)Krishna Lifting Mount Goverdhana-Miskin (ii)Falcon on a Bird-Rest- Ustad Mansoor (iii)Kabir and Raidas-ustad Faquirullah Khan (iii)Marriage procession of Dara Shikoh- Ustad Haji Madni 6. Deccan School -origin and Development, Sub schools- Ahmadnagar, Bijapur, Golconda, Hyderabad & Tanjore Characteristics of the Deccan School Study of Deccan painting –(i)Hazarat Nizamuddin Auliya and Amir Khusro (Hyderabad) (ii)Chand Bibi playing Polo (Chaugan)-Golconda	Discuss Mughal Period's Famous Manuscripts and its main features	(i) Draw & colour famous painting- Falcon on a bird rest (ii) Diagram of Mughal Genealogy	(i) A woman carrying water From River- Water Colour (ii) Still-Life
SEPT.	TERM - 1 EXAMINATION			

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MONTH	UNIT / TOPICS	Activities (Chapter-wise)	Hands-on Learning / Map Work / Project works	Art integrated Learning
OCT.	Unit-III 7.(a)Bengal School of painting -origin and Development , Renaissance period of Bengal school of painting, Chief artists of Bengal school, Important paintings, subject matter, main features, Study of Bengal school paintings- (i) Journey's End- Abanindranath Tagore (ii) Shiva and Sati- Nandalal Bose (iii) Radhika- M.A.R Chughtai (iv) Meghdoot-. Ram Gopal Vijayvargiya (b) Materials /Technique of wash Painting 8 . Contribution of Indian Artists in National Freedom Struggle	Discuss –Indian society of Oriental art- Origin & Development, Aim of Indian society of Oriental art, main features, special contribution of Abanindranath Tagore	(i) How to create wash Painting – Introduction & main features (ii) Draw & colour a beautiful wash Painting	(i) Create a beautiful composition of Railway station with maximum four human figures (ii) Still-life (iii) Any portrait painting
NOV.	Unit-III 9 .The Evolution of Indian National Flag -First (1906), Second(1921)&Final(1947) 10 .The Modern Trends in Indian Art-Introduction, major modern Trends, Major Artist & Artworks (i) Rama Vanquishing the pride of Ocean-Raja Ravi Verma (ii) Mother and Child-Jamini Roy (iii) Haldi Grinder – Amrita Sher-Gill	Discuss -How to develop our National flag	(i) Make a beautiful our National emblem (ii) Drawing -Mother & Child image	(i) Draw & Colour a beautiful composition of fisherman near river site (ii) Object Drawing

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MONTH	UNIT / TOPICS	Activities (Chapter-wise)	Hands-on Learning / Map Work / Project works	Art integrated Learning
	(iv) Mother Teresa- M. F. Hussain 11.Graphic print- (i) Of Walls- Anupam Sud (ii) Children – Somnath Hore (iii) Devi- Jyoti Bhatt (v) Man, Woman and Tree-K. Laxma Goud 12.Sculpture- (i) Triumph of Labour- Devi Prasad Roy Choudhury (ii) Santhal Family – RamKinker Baij (iii) Cries Unheard- Amar Nath Sehgal (iv) Ganesha- P. V. Jankiram			
DEC.	PRE-BOARD EXAMINATION			
JAN.	PRE-BOARD II EXAMINATION, AISSCE (PRACTICAL)			
FEB.	ANNUAL EXAMINATION (2027)			