

ACADEMIC PLANNING 2026-27



English (Communicative)

Month	TOPIC
April	Literature Reader : F.1. Two Gentlemen of Verona • P.1. The Frog and the Nightingale Main Course Book : Unit 1. Health and Medicine Work Book : 1. Determiners 2. Tenses Writing : Application Writing Activities : GD-First impression may be deceptive. Anecdote on Contentment (Reading skills, communication etc.) Hands-on Learning/Map Work/Project Works : Character Sketch, Poster: Design a visual poster comparing Nicola and Jacopo, highlighting their maturity, selflessness, and dedication Perform a dramatic reading of the poem, using distinct vocal tones to mimic the booming Frog and the timid, melodious Nightingale. Art Integrated Learning : Mind Map, The Map of Character and Context
May - June	Literature Reader : F.2. Mrs. Packletide's Tiger, P.2 Not Marble, Nor the Gilded Monuments, F.3. The Letter P.3. Ozymandias Main Course Book : Unit 2. Education Work Book : 3. Subject-Verb Agreement, 4. Non-Finites, 5. Relatives Writing : 2. Factual Description about person or object, 3. Formal Letters - *Complaint letter * Enquiry letter

D.A.V. PUBLIC SCHOOLS, ZONE - I
Syllabus - Class X

Month	TOPIC
	Activities : Speech Professional Etiquettes and Mannerisms GD on MCB based topic: Our Health, Our Asset, Education Poster and slogan writing on Patience and Tolerance (Critical thinking, Literary skill) Diary Entry based on the letter Hands-on Learning/Map Work/Project Works : Enact the tea-party scene where Mrs. Packletide faces Loona Bimberton after the hunt, forcing students to mask tension with fake politeness. Set the rhythm of the sonnet (iambic pentameter) to a steady drumbeat or hand claps, having students recite the lines matching the tempo. [1] Art Integrated Learning : The Mind Map of Tyranny & Time : Draw a central image of two massive, trunkless stone legs standing in an empty desert.
	PT-1
JULY	Literature Reader : F.4. A Shady Plot, P.4. The Rime of the Ancient Mariner Main Course Book : Unit 3. Science Work Book : 6. Connectors, 7. Conditionals, 8. Comparison Writing : 2* Letter to the Editor Activities : Anecdotes, Eradication of fear, Diary Entry based on 'A Shady Plot'. Hands-on Learning/Map Work/Project Works : Role-play the chaotic Ouija board scene with students mimicking Lavinia's suspicion and John's panic Trace the voyage on a world map: England —> Equator—>Antarctica —> Pacific Ocean.

D.A.V. PUBLIC SCHOOLS, ZONE - I
Syllabus - Class X

Month	TOPIC
	Art Integrated Learning : Mind Map : Center: A vintage typewriter with a blue ghost. Branches : Helen (ghost), Lavinia (suspicious wife), John Hallcock (Panicked Writer) Doodles: Ojha Board, Pencil
	PT-2
AUGUST	Literature Reader : D.1. The Dear Departed, F.5. Patol Babu, Film Star Main Course Book : Unit 4. Environment Work Book : Avoiding Repetition on 9. Nominalisation 12. Active and Passive Writing : Article Writing Activities : Anecdotes - Power and Position is transitory Debate : (Information- media & technology Boon or Ban-or-similar topics Critical thinking, Communication and Collaboration) Role play Hands-on Learning/Map Work/Project Works : Role-play the exact moment Abel walks into the room alive, focusing on the sudden panic and frozen expressions of his daughters. Write a short research paper on Satyajit Ray's Indian Cinema, or document the evolution of background actors (extras) in film. Art Integrated Learning : Draw a sketch of the vintage bureau, covered completely in bright neon price tags and arguing speech bubbles to represent the fight over possessions. The Mind Map of Dedication : Center : A retro movie camera or a single exclamation mark ("Oh!")

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Month	TOPIC
SEPT.	HALF YEARLY EXAMINATION
OCT.	Literature Reader : F.6. Virtually True P.5. Snake Main Course Book : Unit 5. Travel and Tourism Work Book : 11. Modals 6. Connectors Writing : 4. Article Writing Activities : Anecdotes - Virtual realities and its implications on real life. Hands-on Learning/Map Work/Project Works : Role-play game where students give step-by-step logic commands to "rescue" a teammate trapped in an imaginary scenario. Conduct a dramatic internal monologue reading where students speak the poet's inner thoughts, alternating between admiration and fear. Art Integrated Learning : MIND MAP
NOV.	Literature Reader : D.2. Julius Caesar Main Course Book : Unit 6. National Integration Work Book : 13. Reported Speech 14. Prepositions Writing : Revision Activities : Anecdotes - Relating Shakespeare's play : The Two Gentlemen of Verona/ Romeo and Juliet (Reading Skills, communication etc.)

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Month	TOPIC
	Role Play (Communication and Collaboration) GD-Is heroism a positive trait? Hands-on Learning/Map Work/Project Works : Deliver Brutus's and Antony's funeral speeches back-to back to practice persuasive speaking and vocal modulation. Art Integrated Learning : MIND MAP
DEC.	PRE BOARD - 1
JAN.	PRE BOARD - 2
FEB.	BOARD EXAM

निर्धारित पुस्तकें :

1. क्षितिज भाग-2, 2. कृतिका भाग-2

हिन्दी (अ) कोड-002

माह	निर्धारित पाठ्यक्रम	गतिविधियाँ	परियोजना कार्य	कला समेकित अधिगम Art integrated Learning
अप्रैल	★ क्षितिज भाग-2 : नेताजी का चश्मा, पद (सूरदास) ★ व्याकरण – रचना के आधार पर वाक्य भेद। रचनात्मक लेखन – विज्ञापन, संदेश, पत्र, ई-मेल लेखन	★ स्वतंत्रता सेनानियों के नामों व घटनाओं संकलन।	नेताजी सुभाष चंद्र बोस का जीवन वृत्त।	‘दादाजी का चश्मा’ पर रचनात्मक लेखन। – कलात्मक विज्ञापन लेखन।
मई-जून	★ क्षितिज भाग-2 : बालगोविन भगत, राम-लक्ष्मण-परशुराम संवाद ★ कृतिका भाग-2: माता का अंचल ★ व्याकरण – वाक्य भेद (रचना के आधार पर) ★ क्षितिज भाग-2: लखनवी अंदाज, आत्मकथ्य ★ व्याकरण: पद परिचय ★ अपठित बोध: अपठित गद्यांश एवं पद्यांश	- गर्मियों के मौसमी फल-फूल, सब्जियों एवं फसलों की उपदेयता पर समूह चर्चा। ‘माँ’ पर कविता लेखन	- रामचरितमानस के बालकांड के 10 चौपाइयों का संकलन। - ग्रामीण परिवेश में खेले जाने वाले खेलों का सचित्र वर्णन।	★ ग्रामीण परिवेश से संबंधित कविताओं का सचित्र संकलन/कोलाज। ★ राम-लक्ष्मण-परशुराम संवाद का नाट्य/काव्य वाचन ★ ‘हँसना स्वास्थ्य के लिए उपयोगी’ विषय पर सृजनात्मक अनुभव लेखन
PERIODIC TEST - 1 नेताजी का चश्मा, वाक्य				
जुलाई	★ क्षितिज भाग-2 : एक कहानी यह भी, उत्साह, अट नहीं रही है ★ कृतिका भाग-2 : साना-साना हाथ जोड़ि ★ व्याकरण – वाच्य,	★ पहाड़ी क्षेत्रों के प्रदूषण पर चर्चा ★ मोर, कोयल, तोता पर प्रपत्र। ★ रूप व्यक्तित्व विकास में बाधक ‘इस	- मन्नू भंडारी के साहित्यिक कृतियों का ब्यौरा - भारत के पांच पर्वतीय पर्यटन स्थानों की सचित्र व्याख्या	★ विद्यालय हेतु हिन्दी शिक्षक के लिए एक आकर्षक स्ववृत्त (बायोडाटा) का प्रारूप तैयार करना।

D.A.V. PUBLIC SCHOOLS, ZONE - I
Syllabus - Class X

माह	निर्धारित पाठ्यक्रम	गतिविधियाँ	परियोजना कार्य	कला समेकित अधिगम Art integrated Learning
	अलंकार, (उपमा, रूपक, उत्प्रेक्षा, मानवीकरण, अतिशयोक्ति ★ रचनात्मक लेखन – स्ववृत्त-लेखन (बायोडाटा)	विषय पर वाद विवाद		
	PERIODIC TEST - 2 लखनवी अंदाज, आत्मकथ्य, पद-परिचय			
अगस्त	क्षितिज-गद्य-नौबतखाने में इबादत पद्य-यह दंतुरित मुस्कान फसल व्याकरण-वाच्य, पद परिचय। रचनात्मक लेखन-अनुच्छेद लेखन।	उस्ताद बिस्मिल्ला खान के विविध पुरस्कारों को सूचीबद्ध करना	सुषिर बाद्य यंत्रों की सूची एवं सचित्र व्याख्या। भारत की खरीफ एवं रबी फसलों को सूचीबद्ध करना	भारत के किसी प्रसिद्ध संगीतकार का साक्षात्कार तैयार करना
सितम्बर	अर्द्धवार्षिक परीक्षा			
अक्टूबर	★ क्षितिज भाग-2 : संस्कृति, संगतकार ★ कृतिका भाग-2 : मैं क्यों लिखता हूँ ★ व्याकरण: अर्थालंकार की पुनरावृत्ति ★ रचनात्मक लेखन : अनुच्छेद लेखन की पुनरावृत्ति	★ समूह परिचर्चा: नारी एक रूप अनेक। परमाणु शक्ति संपन्नता पर वाद – विवाद प्रतियोगिता।	आदिमानव से सभ्य मानव बनने तक के सफर का सचित्र वर्णन। अज्ञेय का जीवन परिचय एवं साहित्यिक कृतियाँ।	किसी प्रतिष्ठित कंपनी के प्रोडक्ट की बिक्री बढ़ने हेतु कलात्मक विज्ञापन तैयार करना।

D.A.V. PUBLIC SCHOOLS, ZONE - I
Syllabus - Class X

माह	निर्धारित पाठ्यक्रम	गतिविधियाँ	परियोजना कार्य	कला समेकित अधिगम Art integrated Learning
नवम्बर	★ सम्पूर्ण पाठ्यक्रम की पुनरावृत्ति (गद्य खण्ड, पद्य खण्ड, कृतिका, व्याकरण एवं रचनात्मक लेखन)	श्रीमद्भगवद्गीता के आयोजन हेतु संदेश लेखन।	सिक्किम की प्राकृतिक सुंदरता का सचित्र वर्णन।	गणतंत्र दिवस की शुभकामना हेतु कलात्मक एवं रचनात्मक संदेश कार्ड तैयार करना।
	PERIODIC TEST - 3 विज्ञापन लेखन, ई-मेल लेखन, अर्थालंकार			
दिसम्बर	PRE-BOARD-1 (14.10.26 TO 24.10.26)			
जनवरी	PRE-BOARD-2 (11.01.27 TO 22.10.27)			
फरवरी	ANNUAL EXAMINATION			

D.A.V. PUBLIC SCHOOLS, ZONE - I
Syllabus - Class X

SANSKRIT

MONTH	UNIT/TOPICS	ACTIVITIES (Chapterwise)	Hands-on Learning /Map Work/Project works (Chapterwise)	Art integrated Learning (Chapterwise)
APRIL	प्रथमः पाठः – वाङ्मयं तपः	श्लोकवाचन- प्रतियोगिता	संस्कृतसाहित्यस्य प्रमुखग्रन्थानां सूची निर्माणम्	संस्कृतग्रन्थानां चित्रप्रदर्शनी निर्माणम्
	व्याकरण भागः – स्वर सन्धि (वृद्धि, यण्, अयादि) समासः – विभक्ति तत्पुरुष प्रत्ययः- मतुप्, ठक्	सन्धिपद-परिचय- क्रिया	सन्धिनियमानां कार्य पत्रकम्	सन्धिचक्रस्य निर्माणम्
MAY- JUNE	द्वितीयः पाठः – नास्ति त्यागसमं सुखम् व्याकरण भागः- स्वर सन्धि पूर्वरूप), व्यंजन सन्धि – परस्वर्णः, अनुस्वारस्थाने पञ्चमवर्णस्य प्रयोगः, तुगागमः, वर्गीय प्रथम वर्णस्य तृतीय वर्णे परिवर्तनं संवादपूर्तिः-पाठाधारित कथापूर्तिः	त्यागविषये समूहचर्चा	महापुरुषाणां त्यागकथानां सङ्कलनम्	व्यागविषयक- चित्रनिर्माणम्
	तृतीयः पाठः- रमणीया हि सृष्टिः एषा	प्रकृतिवर्णन- प्रतियोगिता	विद्यालयपरिसरस्य वृक्षसर्वेक्षणम्	प्रकृतिदृश्य- चित्रणम्
	प्रत्ययः – त्व, तल, स्त्री प्रत्यय- (टाप्, डीप्) कृत्प्रत्यय (तव्यत्, अनीयर्) पत्रलेखनम्- (अनौपचारिकम्/ औपचारिकम्)	प्रत्ययपरिचय क्रीडा	प्रत्यानां सारणी- निर्माणम्	प्रत्यय चार्ट निर्माणम्
JUNE	PT:-1 Chapter/Topics:- प्रथमः पाठः, द्वितीयाः पाठः, स्वर सन्धिः			
JULY	चतुर्थः पाठः – आज्ञा गुरुणां हि अविचारणीया	गुरु-शिष्यसंवाद अभिनयः	गुरुशिष्यपरम्परायाः परियोजना	गुरुशिष्यचित्र- निर्माणम्
	पञ्चमः पाठः – अभ्यासवशात् मनः	प्रेरककथानां वाचनम्	सफलव्यक्तीनाम् अभ्यासकथासङ्ग्रहः	प्रेरणादायकसूक्ति पट्टनिर्माणम्

D.A.V. PUBLIC SCHOOLS, ZONE - I
Syllabus - Class X

MONTH	UNIT/TOPICS	ACTIVITIES (Chapterwise)	Hands-on Learning /Map Work/Project works (Chapterwise)	Art integrated Learning (Chapterwise)
	समासः – नञ्, उपपद, व्याकरण भागः – वाच्य परिवर्तनम् (केवलं लट् लकारे-कर्तृ, कर्म- क्रिया) समयः – (सामान्यः-सपाद, सार्ध, पादोन, चित्रवर्णनम्) असुद्धि संशोधनम्- वचन, लिङ्ग, पुरुष, लकार, दृष्ट्या)	समासपरिचय- क्रीडा समयवाचनाभ्यासः	समासानां सारणी- निर्माणम् दैनिकसमयसारिणी निर्माणम्	समास-चार्ट- निर्माणम् घन्टीयन्त्रस्य प्रतिकृतिः
	PT:-2 Chapter/Topics:- चतुर्थः पाठः, पञ्चमः पाठः, समयः प्रयोगः, समासः			
AUGUST	षष्ठः पाठः- राष्ट्र संरक्षयमेव हिं	राष्ट्रभक्तिगीत- गायनम्	राष्ट्रचिह्नानां परियोजना	भारतस्य मानचित्रसज्जा
	सप्तमः पाठः – साधुवृत्तिम् समाचरेत्	सदाचार विषये चर्चा	सदगुण सूची निर्माणम्	नैतिकमूल्यचित्र पट्टः
	व्याकरण भागः – विसर्ग सन्धि (उत्त्वम्, रत्वम्, विसर्गलोपः, विसर्गस्य स्थाने स्, श्, ष्) पत्रलेखनम् – चित्रलेखनम्, अनुच्छेद लेखनम्, सम्पूर्ण पाठ पुनरावृत्ति, सम्पूर्ण व्याकरण भाग पुनरावृत्ति अव्ययः – इव, उच्चैः, एव, नूनम्, इतस्ततः, विना, सहसा, वृथा, शनैः, इति, मा, यत्, सम्प्रति, इदानीम्, अधुना, कदापि	सन्धिअभ्यासः अनुच्छेदलेखनस्पर्धा	नियमाधारितकार्य- पत्रकम् विषयाधारितलेखन- सङ्ग्रहः	सन्धिवृक्षस्य निर्माणम् चित्रधारित-लेखनम्
SEPT.	TERM - 1 / Half Yearly Examination			
OCT.	अष्टमः पाठः- तिरुक्कुरल्- सुक्ति- सौरभम्	सुक्तिपाठः वाचनं	सूक्तिसङ्ग्रहपुरि- कानिर्माणम्	सूक्तिपट्टनिर्माणम्

D.A.V. PUBLIC SCHOOLS, ZONE - I
Syllabus - Class X

MONTH	UNIT/TOPICS	ACTIVITIES (Chapterwise)	Hands-on Learning /Map Work/Project works (Chapterwise)	Art integrated Learning (Chapterwise)
	नवमः पाठः – सुस्वागतम् भो। अरुणाचलेऽस्मिन्	राज्यपरिचयप्रस्तुतिः	अरुणाचलप्रदेश– विषयपरियोजना	अरुणाचल– प्रदेशस्य संस्कृतिचित्रणम्
	समासः—अव्ययीभाव (अनु, उप, सह, निर, प्रति, यथा), द्वन्द्वः समास, संवादपूर्तिः/कथापूर्तिः अव्ययः—यावत्, बहिः, च, अपि, पुरा, अत्र-तत्र, यथा-तथा, कदा, अद्य, श्वः, परश्वः, ह्यः, परह्यः, किमर्थम्, कुत्र, यदि- तर्हि, तु, अथ, तावत्, अतः	समासपहेलिका	समासकार्यपत्रकम्	समासचित्रसारणी
NOV.	दशमः पाठः— कालोऽहम् (केवलम् आंतरिकमूल्याङ्कनाय)	समयप्रबन्धनचर्चा	दैनिककार्ययोजना– निर्माणम्	कालचक्रनिर्माणम्
	एकादशः पाठः—किं किम् उपादेयम् (केवलम् आंतरिकमूल्या- ङ्कनाय) सैम्पल पेपर अभ्यास व पाठ पुनरावृत्ति व अभ्यास सम्पूर्ण व्याकरण पुनरावृत्ति व अभ्यास पाठाधारित- कथा पूर्ति, चित्र वर्णनम्	मूल्यशिक्षा चर्चा	सद्गुणसङ्ग्रहः	जीवन-मूल्य चित्रनिर्माणम्
	PT:- 3 Chapter / Topics अष्टमः पाठः, नवमः पाठः, अव्ययः, समासः			
DEC.	PRE-BOARD-1 (14TH DEC. - 24TH DEC. 2026)			
JAN	PRE-BOARD-2 (11TH JAN. - 22ND JAN. 2027)			
FEB.	ANNUAL EXAMINATION			

Mathematics

Month	UNIT/TOPICS	Activities	Hands-on Learning/Project Works	Art integrated Learning
April	REAL NUMBERS 1. Fundamental Theorem of Arithmetic - statements after reviewing work done earlier and after illustrating and motivating through examples. 2. Proofs of irrationality of $\sqrt{2}, \sqrt{3}, \sqrt{5}$	Activity 1: Find HCF using prime factorization tree method	Verify Euclid's Division Algorithm using different pairs of numbers. Prepare a chart showing HCF and LCM of given numbers and verify the relation $\text{HCF} \times \text{LCM} = \text{Product of Numbers}$.	Show graphically the Irrationality of numbers like $\sqrt{2}, \sqrt{3}, \sqrt{5}, 3+2\sqrt{5}$ etc. using coloured sheet.
	POLYNOMIALS 1. Zeros of a polynomial 2. Relationship between zeros and coefficients of quadratic polynomials.	Activity 2: To draw graph of a quadratic polynomial and observe: (i) the shape of the curve, when the coefficient of x^2 is positive. (ii) the shape of the curve, when the coefficient of x^2 is negative. (iii) its number of zeroes.	Find zeros of various polynomials graphically using graph paper. Prepare a project showing the relationship between zeros and coefficients of quadratic polynomials.	Design artistic graphs of polynomials on graph paper using colors to highlight curves and intersections. Create wall art showing different types of polynomial graphs.
May - June	PAIR OF LINEAR EQUATIONS IN TWO VARIABLES 1. Pair of linear equations in two variables and graphical method of their solution, consistency/inconsistency. 2. Algebraic conditions for number of solutions. 3. Solution of a pair of linear equations in two variables algebraically - by substitution, by elimination. Simple situational problems.		Model real-life situations (shopping, age problems, ticket prices) and solve them graphically. Prepare a graph-based project using Cartesian plane.	Create a Madhubani painting incorporating intersecting lines to represent solutions of equations graphically.

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Month	UNIT/TOPICS	Activities	Hands-on Learning/Project Works	Art integrated Learning
	ARITHMETIC PROGRESSIONS 1. Motivation for studying Arithmetic Progression 2. Derivation of the n th term and sum of the first n terms of AP and their application in solving daily life problems.	Activity 3: To establish a formula for the sum of first n terms of an arithmetic progression.	Collect data such as daily temperatures, monthly savings, or attendance records and identify AP patterns. Calculate n th term and sum of terms.	Design border patterns (like saree or wall borders) showing increasing/decreasing patterns representing AP.
June	PT :- 1 CHAPTER / TOPICS :- Real Numbers and Polynomials			
JULY	Coordinate Geometry Concepts of coordinate geometry. Distance formula. Section formula (internal division).	Activity 4 : To verify section formula by graphical method.	Locate important landmarks of your city/village on a coordinate grid and calculate distances between them using distance formula	Coordinate design using tribal art
	TRIANGLES Definitions, examples, counter examples of similar triangles. 1. (Prove) If a line is drawn parallel to one side of a triangle to intersect the other two sides in distinct points, the other two sides are divided in the same ratio. 2. State (without proof) If a line divides two sides of a triangle in the same ratio, the line is parallel to the third side. 3. State (without proof) If in two triangles, the corresponding angles are equal, their corresponding sides are proportional and the triangles are similar. 4. State (without proof) If the corresponding sides of two triangles are proportional, their corresponding angles are equal and the two triangles are similar.	Activity 5: To verify Basic Proportionality Theorem (Thales Theorem). Activity 6: To establish criteria for similarity of two triangles.	Verify similarity criteria (AAA, SAS, SSS) using cut-outs and measurements. Construct similar triangles with different scale factors.	Create geometric art using triangle tessellations inspired by tribal or folk art. Show similarity and congruence through designs.

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Month	UNIT/TOPICS	Activities	Hands-on Learning/Project Works	Art integrated Learning
	5.State (without proof) If one angle of a triangle is equal to one angle of another triangle and the sides including these angles are proportional, the two triangles are similar.			
July	PT :- 2 CHAPTER / TOPICS :- PAIR OF LINEAR EQUATIONS IN TWO VARIABLES ARITHMETIC PROGRESSION			
AUGUST	INTRODUCTION TO TRIGONOMETRY 1. Trigonometric ratios of an acute angle of a right- angled triangle. Proof of their existence (well defined) 2. Motivate the ratios which ever are defined at 0° and 90° . Values of the trigonometric ratios of 30° , 45° and 60° . Relationships between the ratios. TRIGONOMETRIC IDENTITIES 1. Proof and applications of the identity $\sin^2 A + \cos^2 A = 1$. Only simple identities to be given.		Prepare a clinometer and measure the height of a tree, building, or flagpole using trigonometric ratios.	Create a model showing angles of elevation using craft materials and decorate it artistically. Represent trigonometric ratios using creative diagrams.
	AREAS RELATED TO CIRCLES 1. Area of sectors and segments of a circle. 2. Problems based on areas and perimeter/circumference of the above said plane figures. (In calculating area of segment of a circle, problems should be restricted to central angle of 60° , 90° and 120° only		Design a park, garden, or playground layout involving circles and sectors. Calculate the area and cost estimation.	Visualises and evaluates areas of sector and segment of a circle using coloured paper.

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Month	UNIT/TOPICS	Activities	Hands-on Learning/Project Works	Art integrated Learning
	STATISTICS Mean, median and mode of grouped data (bimodal situation to be avoided).		Conduct a survey on students' favourite subjects, sports, or screen time. Represent data using histograms, frequency polygons, and ogives.	Statistical representation through creative charts.
Sept.	TERM - 1 / HALF YEARLY EXAMINATION			
OCTOBER	QUADRATIC EQUATIONS 1. Standard form of a quadratic equation $ax^2 + bx + c = 0$, ($a \neq 0$). 2. Solutions of quadratic equations (only real roots) by factorization, and by using quadratic formula. Relationship between discriminant and nature of roots. 3. Situational problems based on quadratic equations related to day-to-day activities to be incorporated		Construct and solve quadratic equations arising from real-life situations. Verify roots graphically and algebraically.	Draw parabola shapes and decorate them using traditional art styles like Warli or Mandala art to show different cases (opening up/down).
	HEIGHTS AND DISTANCES: Angle of elevation, Angle of Depression. 1. Simple problems on heights and distances. Problems should not involve more than two right triangles. Angles of elevation / depression should be only 30° , 45° , and 60°	Activity 7 : To find the height of a building using a clinometer.	Survey school surroundings and estimate heights and distance of objects using angle measurements and trigonometric concepts.	Find heights and distance in real life word problems using trigonometric ratios.
	CIRCLES Tangent to a circle at point of contact. 1. (Prove the tangent at any point of a circle is perpendicular to the radius through the point of contact) 2. (Prove The lengths of tangents drawn from an external point to a circle are equal.	Activity 8 : To verify that the lengths of tangents to a circle from an external point are equal	Verify the theorem "The tangent at any point of a circle is perpendicular to the radius through the point of contact" using paper folding and drawing instruments.	Create mandala art using concentric circles, chords, and tangents. Highlight geometric properties through design

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Month	UNIT/TOPICS	Activities	Hands-on Learning/Project Works	Art integrated Learning
NOVEMBER	SURFACE AREAS AND VOLUMES 1. Surface areas and volumes of combinations of any two of the following: cubes, cuboids, spheres, hemispheres and right circular cylinders/cones.		Create 3D models (cone, cylinder, sphere, frustum) using cardboard and calculate their surface areas and volumes	Evaluates the surface areas and volumes of combinations of solids by visualisation
	PROBABILITY 1. Classical definition of probability. Simple problems on finding the probability of an event.	Activity 9 : To determine experimental probability by throwing a die and comparing with theoretical probability	Perform coin toss and dice experiments Compare theoretical and experimental probabilities using collected data. Art-Integrated Mathematics Projects	Design board games (like Ludo or spinner games) and decorate them creatively while explaining probability concept.
	PT :- 3 Chapter / Topics : CIRCLES & SURFACE AREAS AND VOLUMES			
DEC.	PRE-BOARD-1 (14th DEC. - 24th DEC. 2026)			
JAN	PRE-BOARD-2 (11th JAN. - 22nd JAN. 2027)			
FEB	ANNUAL EXAMINATION			

SCIENCE (PHYSICS)

Month	UNIT/TOPICS	Activities (Chapterwise)	Hands-on Learning/Project Works (Chapter wise)	Art integrated Learning (Chapterwise)
April	CH-9. Light- Reflection and Refraction Reflection of light by curved surfaces; Images formed by spherical mirrors, centre of curvature, principal axis, principal focus, focal length, mirror formula (Derivation not required), magnification.	Determination of the focal length of concave mirror by obtaining the image of distant object	Image formation by a Spoon (Convex & Concave Surfaces)	Ray diagrams formation by Spherical mirrors
May - June	CH-9. Light- Reflection and Refraction Refraction : Laws of refraction, refractive index. Refraction of light by spherical lens; Image formed by spherical lenses, Lens formula (Derivation not required); Magnification. Power of a lens.	Determination of the focal length of convex lens by obtaining the image of distant object	Coin in a vessel: Show apparent depth caused by refraction.	Ray diagram formation by Lenses
JUNE	PT :- 1 Chapter / Topics : Light - Reflection and Refraction			
JULY	CH-10 The Human Eye and the Colourful World Functioning of a lens in human eye, defects of vision and their corrections, applications of spherical mirrors and lenses.	Tracing the path of a ray passing through a rectangular glass slab for different angle of incident. Measure the angle of incidence, angle of refraction, angle of emergence and interpret the result.	Create a simple eye model where convex lens act as the eye lens and the screen act the retina.	Construct optical models or diagrams of concave and convex lenses correct myopia and hypermetropia
	PT :- 2 Chapter / Topics : Human Eye and its Defects			
AUGUST	CH-10 The Human Eye and the Colourful World Refraction of light through a prism, dispersion of light, scattering of light, applications in daily life (excluding colour of the	Tracing the path of the rays of light through a glass prism.	The Blind Spot Test, Rainbow formation, Scattering of light	Colour blindness awareness models.

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Month	UNIT/TOPICS	Activities (Chapterwise)	Hands-on Learning/Project Works (Chapter wise)	Art integrated Learning (Chapterwise)
	sun at sunrise and sunset).			
SEPT,	TERM - 1 / HALF YEARLY EXAMINATION			
OCT.	CH-11 Electricity Electric current, potential difference and electric current. Ohm's law; Resistance, Resistivity, Factors on which the resistance of a conductor depends. Series combination of resistors, parallel combination of resistors and its applications in daily life. Heating effect of electric current and its applications in daily life. Electric power, Interrelation between P, V, I and R.	1) To study the dependence of potential difference (V) across a resistor on the current (I) passing through it and determine its resistance. Also plot graph between V and I. 2) Determination of the equivalent resistance of two resistors when connected in series.	Making of simple electric circuit, differentiating between conductors and insulators, calculation of electricity consumption at home.	Creating a bar graph or chart (visual art) to compare electricity usage poster on energy conservation.
NOV.	CH-12 Magnetic Effect of Current Magnetic field, field lines, field due to a current carrying conductor, field due to current carrying coil or solenoid; Force on current carrying conductor, Fleming's Left Hand Rule, Direct current. Alternating current: frequency of AC. Advantage of AC over DC. Domestic electric circuits.		Mapping magnetic field lines, making of compass using needle, Oersted's Experiment.	Design an infographic illustrating the force on a current carrying conductor in a magnetic field.
	PT :- 3 Chapter / Topics : Electricity			
DEC.	PRE-BOARD-1			
JAN	PRE-BOARD-2			
FEB	ANNUAL EXAMINATION			

SCIENCE (BIOLOGY)

Month	UNIT/TOPICS	Activities (Chapterwise)	Hands-on Learning/Project Works (Chapter wise)	Art integrated Learning (Chapterwise)
April	Chapter- 5 Life Processes • Life Processes • Basic concepts of nutrition, autotrophic and heterotrophic nutrition • Respiration in plants and animals	Experiment: Prepare a temporary mount of leaf peel to show stomata Activity: To show action of saliva on starch Experiment: Experimentally show carbon dioxide is given out during respiration	3D Model: Create a 3D/working model of the human lungs. Mind-Map Murals: Create a large-scale flow chart that physically links all life processes (digestion, respiration, transport, and excretion) to show how they work together as a unified system.	Creative Model: Create a labelled 3D model of the human alimentary canal using recycled materials. Map the path of food and identify where specific enzymes act. RBC's Life Story: Design a flowchart-based storyboard or a "Journey of a Red Blood Cell" comic strip illustrating oxygen exchange in the lungs and circulation through the heart.
May - June	Chapter- 5 Life Processes • Transport in plants and animals • Excretion in human beings and plants	Activity: Conduct a "Pulse Analysis" by measuring heart rates both at rest and after intense exercise to observe and compare gas exchange. Activity: A comparative experiment measuring water loss in plants under sunlight vs. shade to quantify plant excretion rates.	Mind Maps: Create a flowchart of double circulation in humans, use arrows to indicate the flow of blood and color it. Nephron Filtration Model: Using a funnel and filter paper to simulate how kidneys filter "dirty blood" (colored water with particles) into "clean filtrate." Split-Diorama: A 3D model with the Human Excretory System on one side and a Plant showing transpiration/ shedding on the other.	Model Building 3D Models: Construct physical representations of complex structures like the nephron or the heart using recycled materials to show how they function. Botanical Collage: A display using actual fallen leaves, bark, and resins, labeled with the specific waste product each part was designed to eliminate. Comparison Poster: A structured visual analysis comparing the types of waste (gases, liquids, solids) and the mechanisms of removal in plants (stomata, leaves) vs. animals (kidneys, lungs).
June	PT :- 1 Chapter / Topics : Life Processes- Autotrophic and heterotrophic nutrition			

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Month	UNIT/TOPICS	Activities (Chapterwise)	Hands-on Learning/Project Works (Chapter wise)	Art integrated Learning (Chapterwise)
JULY	Chapter -6 Control and coordination - Nervous system and reflex action - Human brain - Coordination in plants. - Hormones in animals	Studying : Binary fission in amoeba, Budding in yeast and hydra with the help of prepared slides	Activity: Use a simple ruler-drop test. Have students measure how quickly their partners can catch a falling ruler. Reflex Arc Charting: Create a flow-chart model of various human reflex actions (e.g., sneezing, blinking, withdrawing hand from heat) identifying the stimulus, receptor, sensory neuron, CNS, motor neuron, and effector.	Reflex Arc Poster: Create a thematic poster or a large-scale diagram mapping a "Reflex Arc" using color-coded yarn to represent sensory neurons, interneurons, and motor neurons. Brain Anatomy Clay Model: Sculpt a 3D clay model of the human brain with color-coded sections representing different functional area. The "Negative Feedback" Simulation: Create a flowchart to explain how the body regulates blood sugar (Insulin/ Glucagon).
	PT :- 2 Chapter / Topics : Life Processes- (Respiration, Transportation & Excretion)			
AUGUST	Chapter -7 How do organisms reproduce - Importance of variation. - Mode of reproduction by singles organisms - Sexual reproduction - Reproductive health	Dissection: Study the parts of a flower (stamen/ carpel) through dissection	Bisexual Flower Poster: Create a poster comparing the parts of a bisexual flower. Use pressed flower petals or colored paper cutouts to label the Stamen (Male) and Carpel (Female). Comparison Table: Create a classification project comparing Sexual vs. Asexual reproduction.	Life Cycle Scroll Art: On a long strip of paper, draw a continuous story of an organism's life cycle (e.g., Asexual like Hydra budding or Sexual like a Flowering plant). "Health Awareness" Infographic: Design a poster or digital infographic illustrating the importance of reproductive health, focusing on the prevention of STIs (Sexually Transmitted Infections) and the importance of hygiene.
SEPT.	TERM - 1 / HALF YEARLY EXAMINATION			

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Month	UNIT/TOPICS	Activities (Chapterwise)	Hands-on Learning/Project Works (Chapter wise)	Art integrated Learning (Chapterwise)
OCT.	Chapter - 8 Heredity • Heredity • Mendel's contribution • Laws of inheritance of traits • Sex determination	Experiment: Identification of different parts of an embryo of dicot seed	Mendelian Simulation: Use colored beads or coins to simulate the F ₁ and F ₂ generations of a monohybrid cross. Present the phenotypic and genotypic ratios obtained.	Digital Pedigree Portraits: Create a digital collage using photographs of family members to track a specific physical trait over three generations. Interactive Variation Mural: Use stickers on a wall-sized chart to map the distribution of various traits (e.g., earlobe type vs. tongue rolling) across the entire class population.
NOV.	Chapter - 13 Our environment • Ecosystem • Food chains and webs • Biodegradable and non- biodegradable substance • 3Rs • Garbage management	Activity: Visit a local park to document food chain and human impact on the local ecosystem	Local Ecosystem Food Web: Identify a small local area (school garden or park). List the organisms present and construct a detailed food web diagram showing energy flow. Waste Audit: Conduct a one-week waste audit at home. Categorize waste into biodegradable and non-biodegradable and propose a plan for composting the biodegradable portion.	Food Chains/Webs: Design an ecosystem diorama (using a shoebox) that demonstrates a complex food web and illustrates the "10% Law" of energy transfer using different levels of building blocks. Ozone "Shield" Graphic: Create a poster illustrating the ozone layer as a "protective umbrella." Use charcoal or blue-tinted art to contrast the "healthy" atmosphere vs. the "hole" created by CFCs.
PT :- 3 Chapter / Topics : Heredity, Our Environment				
DEC.	PRE-BOARD-1			
JAN	PRE-BOARD-2			
FEB	ANNUAL EXAMINATION			

SCIENCE (CHEMISTRY)

Month	UNIT/TOPICS	Activities (Chapterwise)	Hands-on Learning/ Project Works (Chapter wise)	Art integrated Learning (Chapterwise)
April	CH-1: Chemical Reactions and Equations - Chemical equations & balancing - Types of chemical reactions - Effects of oxidation (Corrosion & Rancidity) CH-2: Acids, Bases and Salts (Part 1) - Indicators (Natural/ Synthetic) - Chemical properties of acids and bases	- Activity 1.1 Burning of a magnesium ribbon - Activity 1.2: Reaction of Lead Nitrate and Potassium Iodide, - Activity 1.3: Reaction of Zinc with dilute acid - Activity 1.4: Reaction of Quick Lime with water.	- Perform and observe combination, decomposition, displacement, and double displacement reactions. - Action of water on quicklime. - Testing pH of various everyday samples (lemon juice, soda, water) using pH paper/universal indicator.	- Concept Mapping: Create a visual, color-coded flowchart mapping types of reactions with real-world examples. - Comic Strip: Draw a short comic strip illustrating the neutralization reaction between an "Acid character" and a "Base character".
May – June	CH-2: Acids, Bases and Salts (Part 2) - Concept of pH scale - Importance of pH in everyday life - Preparation and uses of Sodium Hydroxide, Bleaching Powder, Baking Soda, Washing Soda, and Plaster of Paris	Activity 2.1 & 2.2 : Testing samples with indicators. Activity 2.3 & 2.4 : Reaction of acids and bases with metals. Activity 2.5: Acid base neutralisation.	- Investigate the electrical conductivity of acid and base solutions. - Preparation of a natural indicator using red cabbage or turmeric.	Salt Crystal Art: Create a decorative poster showcasing the industrial manufacturing and crystals of the 5 major salts.
June	PT :- 1 Chapter / Topics : Ch-1 Chemical Reactions and Equations			
JULY	CH-3: Metals and Non-Metals (Part 1) - Physical and chemical properties of metals and non-metals - Reactivity series	- Activity 3.1 to 3.7: Exploring Physical and chemical properties of metals & non-metals. - Activity 3.8: Burning metals in air.	Observe the action of Zn, Fe, Cu, and Al metals on their salt solutions to arrange them in the reactivity series.	Reactivity Drama/ Roleplay: Write a short script or create a digital graphic where metals compete for a partner based on their reactivity status.
	PT :- 2 Chapter / Topics : Ch-2 Acids, Bases and Salts			

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Month	UNIT/TOPICS	Activities (Chapterwise)	Hands-on Learning/ Project Works (Chapter wise)	Art integrated Learning (Chapterwise)
Aug.	CH-3: Metals and Non-Metals (Part 2) • Formation and properties of ionic compounds • Basic metallurgical processes • Corrosion and its prevention	• Activity 3.9 & 3.10: Reaction of metals with water and dilute acids. Activity 3.11 : Reactivity changing via metal salt solutions. Activity 3.12: Investigate the conditions necessary for rusting of iron.	• Investigate the conditions necessary for the rusting of iron using three different test tubes.	• Story boarding: Create a visual timeline showing the journey of an iron ore from extraction to its final rust-protected product.
Sept.	Term - 1 / Half Yearly Examination			
Oct.	CH-4: Carbon and its Compounds (Part 1) • Covalent bonding in carbon compounds • Versatile nature of carbon • Homologous series	• Activity 4.1: Testing things from daily life for presence of carbon • Activity 4.2: Formulating and observing patterns in a homologous series.	• Constructing 3D molecular models of simple carbon compounds (Methane, Ethane, Ethene, Ethyne) using clay/beads and toothpicks.	• Carbon Origami / 3D Modeling: Build geometric paper models demonstrating the tetrahedral structure of Carbon and its allotropes (Diamond, Graphite).
Nov.	CH-4: Carbon and its Compounds (Part 2) • Nomenclature of functional groups • Chemical properties (Combustion, Oxidation, Addition, Substitution) • Ethanol and Ethanoic acid (Properties & uses) • Soaps and detergents	• Activity 4.3 & 4.4 : Combustion and oxidation of carbon compounds. • Activity 4.5 & 4.6 : Testing the foaming/ cleaning capacity of soap in soft and hard water.	• Study the comparative cleaning capacity of a sample of soap in soft and hard water. • Observe the esterification reaction between ethanol and ethanoic acid.	• Infographic Poster: Design a creative advertisement/poster explaining how soap micelles work to remove grease.
	PT-3 CHAPTER/ TOPICS: CH-4: Carbon and its Compounds (Up to Homologous series)			
DEC.	PRE-BOARD-1			
JAN	PRE-BOARD-2			
FEB	ANNUAL EXAMINATION			

HISTORY AND POLITICAL SCIENCE

Month	UNIT/TOPICS	Activities (Chapterwise)	Hands-on Learning/Project Works (Chapter wise)	Art integrated Learning (Chapterwise)
April	CH-1. POWER SHARING	Present the tree in class and explain how power sharing strengthens democracy.	Assign each student a role (Principal, Teacher, Student Representative, Parent, etc.). Give the group a situation, for example: Planning the Annual Day Deciding school rules Organizing a sports event	Decorate the tree with drawings of people from different communities holding hands around it.
	CH-1. THE RISE OF NATIONALISM IN EUROPE	Choose one European nation and Present your flag and explain how nationalism helped unite the country.	prepare a timeline on chart paper. Mark important events, such as: 1789 - French Revolution 1815 - Congress of Vienna 1830 - July Revolution 1848 - Revolutions in Europe 1861 - Unification of Italy 1871 - Unification of Germany	Choose any one European nation (Germany, Italy, France, or Greece). Design a flag that represents the country's national identity.
May–June	CH- 2. FEDERALISM	Present your chart and explain how all three levels work together to govern the country.	Draw a three-level pyramid or tree diagram. Label the three levels: Union Government State Government Local Government (Panchayat/Municipality)	Design a colourful poster with the theme "Many States, One Nation." Include symbols of different states and a slogan highlighting federalism.
	CH- 1. THE RISE OF NATIONALISM IN EUROPE			
June	PT :- 1 Chapter / Topics : Ch-2 Federalism, Ch-2, Nationalism in India			
July	CH- 3. GENDER RELIGION AND CASTE	Create a mural showing people of different genders, religions, and castes standing together. Add the slogan "Unity in Diversity, Equality for All"	In groups, prepare a short role-play showing a situation where people from different backgrounds work together to solve a community problem.	To appreciate India's social and cultural diversity Create a collage showing people from different genders, religions, and communities.

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Month	UNIT/TOPICS	Activities (Chapterwise)	Hands-on Learning/Project Works (Chapter wise)	Art integrated Learning (Chapterwise)
	CH-1. NATIONALISM IN INDIA			
PT :- 2 Chapter / Topics : Ch-2 Federalism, Ch-2, Nationalism in India				
August	CH-2. NATIONALISM IN INDIA	Draw a colourful timeline of major events in the Indian National Movement, such as the Non- Cooperation Movement, Civil Disobedience Movement, Dandi March, and Quit India Movement. Add small illustrations for each event.	I. Congress sessions: 1920 Calcutta 1920 Nagpur 1927 Madras session II. 3 Satyagraha movements: Kheda Champaran Ahmedabad mill workers III. Jallianwala Bagh IV. Dandi March	Draw or paint portraits of prominent freedom fighters Write 3-4 lines about each person's contribution to the national movement.
SEPT.	Term - 1 / Half Yearly Examination			
OCT.	CH- 3. MAKING OF A GLOBAL WORLD (SUB TOPICS 1 TO 13 PRE MODERN WORLD TO CONQUEST, DISEASE AND TRADE	Create a collage using pictures or drawings of products, technology, food, clothing, and transport from different countries. Add captions explaining how globalization connects people.	Draw a world map and mark important historical trade routes such as the Silk Route and major sea routes. Use different colours and symbols to show the movement of goods, people, and ideas.	Design a miniature passport. Each page should represent a different country with its flag, a famous product, and one way it is connected to global trade.
	CH- 4. POLITICAL PARTIES	Election Campaign Role Play	Conduct a secret ballot election using paper slips and a ballot box.	Design a Party Election Poster. Students create a colourful election poster showing : Party name and symbol Slogan Key Promises Creative artwork promoting democratic

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Month	UNIT/TOPICS	Activities (Chapterwise)	Hands-on Learning/Project Works (Chapter wise)	Art integrated Learning (Chapterwise)
NOV.	CH-4. PRINT CULTURE AND THE MODERN WORLD	On a chart paper, prepare a timeline showing important milestones in print culture, from early printing methods to the digital age, with pictures and short descriptions.	Discussion: How is block printing similar to the early printing press? Why was printing important for spreading knowledge and ideas?	design a cover page for a famous book or create an original book cover with a title, author's name, and illustration. They present why readers would want to read it.
	CH- 5. OUTCOMES OF DEMOCRACY	write examples of how democracy contributes to each area on sticky notes and paste them under the correct heading.	Draw a large balance scale on chart paper. Label one side "Positive Outcomes" and the other "Challenges".	Display the artwork in the classroom and explain how each "leaf" strengthens democracy.
	PT :- 3 Chapter / Topics : Ch-3 & 4 Gender Religion and Caste, Political Parties, Ch-4 Print Culture and the Modern World			
DEC.	PRE-BOARD-1 (14th DEC. - 24th DEC. 2026)			
JAN	PRE-BOARD-2 (11th JAN. - 22nd JAN. 2027)			
FEB	ANNUAL EXAMINATION			

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GEOGRAPHY

Month	UNIT/TOPICS	Activities (Chapterwise)	Hands-on Learning/Project Works (Chapter wise)	Art integrated Learning (Chapterwise)
April	Ch-1. Resources and development	Collect newspaper or magazine articles related to : Water conservation Land degradation Renewable energy Sustainable development	Identify Major Soil Types	Best Out of Waste Objective: Promote the concept of Reduce, Reuse and Recycle.
May–June	Ch-2. Forest and Wildlife resources	Draw a food chain and food web showing the role of plants, herbivores, carnivores, and decomposers in a forest ecosystem.		Collect pictures of 10 endangered animals and plants found in India.
June	PT :- 1 Chapter / Topics : Ch-1. Resources and Development			
July	Ch-3. Water Resources	Poster making Topic: "Save Water, Save Life"	Locating and Labelling: Salal Sardar Sarovar Bhakra Nangal Hirakund Tehri Nagarjun Sagar Rana Pratap Sagar Tungabhadra	Prepare a simple model of a rainwater harvesting system using cardboard, paper, or recycled materials.
	PT :- 2 Chapter / Topics : Ch-2 Forest and wildlife resources			
July	Ch-4. Agriculture	Identify the major agriculture crops and the regions where they are grown.	Identify: Major areas of Rice and Wheat Largest/Major producer states of Sugarcane, Tea, Coffee, Rubber, Cotton and Jute	Decorate each region using the actual grain, seeds, or coloured paper representing the crop.
Sept.	Term - 1 / Half Yearly Examination			
Oct.	Ch-5. Mineral and energy resources	Decorate the map and write 4-5 lines on the importance of conserving minerals and energy resources	Identify: Iron Ore Mines Mayurbhanj Durg Bailadila Bellary	Small pictures or symbols of coal, iron ore, petroleum natural gas, solar panels, windmills, and hydropower

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Month	UNIT/TOPICS	Activities (Chapterwise)	Hands-on Learning/Project Works (Chapter wise)	Art integrated Learning (Chapterwise)
			Kudremukh Coal Mines Raniganj Bokaro Talcher Neyveli Oil Fields Digboi Naharkatia Mumbai High Bassien Kalol Ankaleshwar Thermal Nuclear Namrup Singrauli Ramagundam Narora Kakrapara Tarapur Kalpakkam	
Nov.	Ch-6. Manufacturing Industries	Draw a flow chart showing the journey raw material → processing → manufacturing → finished → product → market.	Manufacturing Industries (Locating and labeling only) Cotton textile Industries: a. Mumbai, b. Indore, c. Surat, d. Kanpur, e. Coimbatore Iron and Steel Plants: a. Durgapur, b. Bokaro, c. Jamshedpur, d. Bhilai, e. Vijayanagar, f. Salem Software technology Parks: a. Noida, b. Gandhi- Nagar, c. Mumbai, d. Pune, e. Hyderabad, f. Bengaluru, g. Chennai h. Thiruvananthapuram	Design a colourful poster on "Role of Manufacturing industries in India's Development." Add a slogan such as "Strong Industries, Strong Nation."
	Ch-7. Lifelines of National Economy (Only map pointing to be evaluated in	Create symbol for each mode of transport and prepare a legend (key).	Locating and Labeling a. Major Sea Ports • Kandla • Tuticorin • Mumbai • Chennai	Decorate the chart with borders and a slogan such as "Connecting People, Driving Progress"

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Month	UNIT/TOPICS	Activities (Chapterwise)	Hands-on Learning/Project Works (Chapter wise)	Art integrated Learning (Chapterwise)
	the board examination)		• Marmagao • Visakhapatnam • New Mangalore • Paradip • Kochi • Haldia b. International Airports - Amritsar (Raja Sansi-Sri - Guru Ram Das ji) - Delhi (Indira Gandhi) - Mumbai (Chhatrapati - Shivaji) - Chennai (Meenambakkam) - Kolkata (Netaji Subhash - Chandra Bose) - Hyderabad (Rajiv Gandhi)	
	PT :- 3 Chapter / Topics : Ch-5 Mineral and energy resources			
DEC.	PRE-BOARD-1 (14th DEC. - 24th DEC. 2026)			
JAN	PRE-BOARD-2 (11th JAN. - 22nd JAN. 2027)			
FEB	ANNUAL EXAMINATION			

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ECONOMICS

Month	UNIT/TOPICS	Activities (Chapterwise)	Hands-on Learning/Project Works (Chapter wise)	Art integrated Learning (Chapterwise)
April	Development	Group Discussion on "What does development mean to different people?"	Prepare a comparative chart of HDI indicators of India vs. another country	Poster-making: "My vision of development"
May–June	Development (continued)	Debate: "Economic growth vs. sustainable development"	Collect data on literacy, health and income from local sources and present	Collage using newspaper cutting showing development issues
June	Periodic Test - 1 / Chapter / Topics			
July	Sectors of Indian Economy	Role Play: Primary, Secondary, and Tertiary sector workers	Survey in locality: Classify local occupations into sectors	Flowchart art: Draw the three sectors with examples
	Periodic Test - 2 / Chapter / Topics			
August	Sectors of Indian Economy (continued)	Quiz competition on the three sectors	Prepare a pie chart showing GDP contribution of each sector	Creative comic stripe showing workers shifting between sectors
Sept.	Term - 1 / Half Yearly Examination			
Oct.	Money and Credit	Mock activity: Students role-play as bankers and borrowers	Case study: Compare formal vs. informal sources of credit	Design currency notes carrying social messages.
Nov.	Globalization and the Indian Economy	Group presentation on MNCs operating in India	Collect product labels of multinational brands and trace their country of origin	Poster campaign: "Pros & Cons of Globalization"
	Periodic Test - 3 / Chapter / Topics			
DEC.	PRE-BOARD-1 (14th DEC. - 24th DEC. 2026)			
JAN	PRE-BOARD-2 (11th JAN. - 22nd JAN. 2027)			
FEB	ANNUAL EXAMINATION			

INFORMATION TECHNOLOGY

Month	UNIT/ TOPICS	Activities (Chapterwise)	Hands-on Learning/Project Works (Chapter wise)	Art integrated Learning (Chapterwise)
April	Ch-1 : Communication Skills-II	• Demonstrate Knowledge of Various Methods of Communication • Provide Descriptive and specific Feedback • Apply Measures to Overcome Barriers in Communication • Demonstrate Basic Writing Skills	Project: Prepare a notice/ letter/email for real-life communication scenario..	Create a comic strip or poster illustrating effective communication
May	Ch-2 : Self- Management Skills-II	• Apply Stress Management Techniques. • Demonstrate the ability to work independently	Project : Personal SWOT analysis chart and time-table preparation.	Design a inspirational poster on self-management or positive thinking
June	Ch-3 : ICT Skills-II	• Distinguish between different Operating Systems • Apply basic skills for care and maintenance of computer	----	----
PT - 1 (Ch-1 & Ch-2)				
July	Ch-4 : Digital Documentation (Advanced) using LibreOffice Writer	• Apply Styles in a Document • Insert and Use Images in a Document • Create and Use Template • Creating Table of Contents	Practicals	Design a school magazine page layout with images and text formatting.
PT - 2 (Ch- 3 & Ch-4)				
August - Sept.	Ch-5: Electronic Spreadsheet (Advanced) using LibreOffice Calc	• Scenarios Analysis • Linking Spreadsheet Data • Share and Review a Spreadsheet • Macros in Spreadsheet	Practicals: Create a student result sheet with conditional formatting and charts	Visualise data creatively : Chart School event attendance or survey results.
September : Term - 1 / Half Yearly Examination				

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Month	UNIT/ TOPICS	Activities (Chapterwise)	Hands-on Learning/Project Works (Chapter wise)	Art integrated Learning (Chapterwise)
Oct.	CH-6: Database Management System (DBMS) -LibreOffice Base	Create tables, define relationships, write queries (SELECT, INSERT, UPDATE, DELETE), create forms & reports.	Practical: Design a school library database with book and member tables.	Draw an ER diagram for the library database using creative diagrammatic representation.
	CH-7: Maintain Healthy, Safe & Secure Working Environment	Discuss ergonomics, workplace safety, first aid basics, IT safety norms.	Project: Prepare a safety checklist for a computer lab.	Design safety signage / posters for the computer lab.
Nov.	Ch-8 : Entrepreneurial Skills-II	Case studies on successful entrepreneurs, brainstorming for startup ideas, business model canvas.	Project: Prepare a mini business plan for a school canteen or stationery shop	Design a brand logo and tagline for your imaginary startup.
	PT - 3 (Ch-5 & 6)			
PRE-BOARD - 1 (14th Dec. - 24th Dec. 2026)				
Dec.	Revision of all chapters covered in Term - I & II	Practice sample paper questions Revision of all topics	Practicals revision : Complete lab exercises from all chapters.	Create a visual summary/ mind map of the full syllabus.
PRE-BOARD - 2 (11th Jan. - 22nd Jan. 2027)				
Jan.	Final Revision of all chapters	Mock tests and sample paper practice.	Full Practical test simulation	Prepare a portfolio of all art-integrated activities done during the year.
FEBRUARY 2027 : Annual Examination				

ARTIFICIAL INTELLIGENCE

Month	UNIT/ TOPICS	Activities (Chapterwise)	Hands-on Learning/Project Works (Chapter wise)	Art integrated Learning (Chapterwise)
April	Part A : Communication Skills-II	Practice formal and informal communication, reading comprehension, debate and group discussion activities	Project : Draft a formal letter, email, and report on a real-life scenario	Create a comic strip/poster illustrating effective workplace communication
	Part A : Self - Management Skills-II	Goal-setting exercises, time-management worksheets, stress-management, discussions	Prepare a personal SWOT analysis chart and a weekly time-table.	Design an inspirational poster on self-management/ positive thinking.
	Part-A : ICT Skills-II	Identify advanced ICT tools, demonstrate safe internet usage and digital collaboration.	Practical: Use cloud tools (Google Docs/ Drive) for collaborative document creation.	Create an infographic on 'Digital India - ICT in Everyday Life'
May - June	Part-B Unit-1 : Revisiting AI Project Cycle	Revisit the 5-step AI project cycle (Scoping, Data Acquisition, Modeling, Evaluation, Deployment); identify steps in real-world AI projects.	Map work: Draw and label the AI project cycle, map a chosen real-life AI application to each step.	Create a visual flowchart/ illustrated poster of the AI project cycle.
	Unit-1 (Contd.): Three Domains of AI & Ethical Framework	Identify the three domains (Data, CV, NLP), discuss ethical frameworks, need for AI ethics, Bioethics, analyse a case study in bioethics.	Project : Prepare a case-study report on an ethical dilemma in AI (e.g. facial recognition bias)	Design an 'AI Ethics Wheel' infographic showing key ethical principles
	PT - 1 Chapter / Topics : Part-A (Communication, Self - Management, ICT Skills) + Unit - 1			
July	Unit-2: Advanced Concepts of Modelling in AI (AI vs ML vs DL) Types of AI Models)	Differentiate AI, ML and Deep Learning with examples; explain Rule-Based vs Learning Based approaches; identify type of AI models	Practical: Use an online no-code tool (e.g., Teachable Machine) to build a simple rule-based classifier.	Create a comparison chart/ illustrated mind map of AI -> ML -> DL hierarchy

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Month	UNIT/ TOPICS	Activities (Chapterwise)	Hands-on Learning/Project Works (Chapter wise)	Art integrated Learning (Chapterwise)
	Unit-2 (contd.) Categories of ML- Supervised Unsupervised, Reinforcement: ANn & CNN; How AI makes decisions	Explain Supervised, Unsupervised and reinforcement learning with real examples, introduce ANN and CNN concepts.	Hands on: Train a simple supervised model using a no-code ML platform: Internet results.	Illustrate how a Neural Network processes data using a labelled diagram/artwork
	PT - 2 Chapter / Topics : Unit - 1 + Unit - 2			
August	Unit-3 Evaluating Models (Trains- Test Split, Accuracy, error, Classification Matrices, Bias, Transparency)	Explain model evaluation need: demonstrate Train-Test split concept discuss Accuracy, Error, Bias and Transparency with examples	Practical: Use a no-code AI tool to evaluate a trained model, record accuracy and error metrices	Create a visual poster on 'Bias in AI' with real-world examples.
	Term-1 / Half Yearly Examination - Communication, Self management, ICT Skills) + Unit-1 + Unit-2 + Unit-3			
October	Unit-4: Statistical Data Concept (Key statistics concepts: Importance in AI)	Discuss mean, median, mode, variance, standard deviation, explain relevance to AI database	Hands-on Analyse a sample dataset (CSV) to calculate basic statistics using a spreadsheet	Design an infographic 'Statistics - The Backbone of AI'
	Part-A : Entrepreneurial Skills-II & Green Skills - II	Case studies on startups: discuss green computing and e-waste management	Project: Prepare a mini business plan for an AI- based product idea.	Design a brand logo & tagline for an eco-friendly AI startup
	Unit-5: Computer Vision (Introduction, Applications, Convolution, Operator, CNN)	Introduce Computer Vision: Explore real-life applications (self-driving cars, medical imaging); explain convolution and CNN architecture	Practical: Use a no-code CV tool (e.g., Teachable Machine - Image Project) to train an image classifier.	Create a labelled diagram of a CNN architecture explaining each layer artistically

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Month	UNIT/ TOPICS	Activities (Chapterwise)	Hands-on Learning/Project Works (Chapter wise)	Art integrated Learning (Chapterwise)
November	Unit-6: Natural Language Processing (NLP) (Features, Applications, Stages, Script Bot vs Smart Bot, Text Processing)	Introduce NLP, explore real-life applications (chatbots, transition, sentiment analysis); explain stages of NLP pipeline, compare Script Bot vs Smart Bot.	Project: Design a simple chatbot conversation flow using a no-code chatbot tool.	Create an illustrated NLP pipeline diagram from raw text to output
	Unit-7: Advanced Python (Practical) (Jupyter Notebook, Python Basics)	Introduction to Jupyter Notebook environment: Python basics-variables, data types, loops, conditionals, functions.	Practical: Write Python programs in Jupyter Notebook - data input/output, loops, and a simple AI-related task (e.g. word counter)	Decorate a Python Basics Cheat Sheet' poster using colour-coded syntax highlighting
	PT-3 Chapters/Topics : Unit-4 + Unit-5			
PRE-BOARD - 1 (14th Dec. - 24th Dec. 2026) Revision of all Units				
Dec.	Revision: Unit-I Unit-7 + Part A	Practice sample papers, topic-wise revision sessions	Full practical revision : AI, tools, Python, CV & NLP practicals.	Compile a portfolio of all art-integrated activities of the year.
PRE-BOARD - 2 (11th Jan. - 22nd Jan. 2027) - Final revision				
Jan.	Final Revision of complete syllabus	Mock tests and previous year question paper practice.	Simulated practical examination	Peer-review: evaluated and give feedback on classmates' AI projects.
FEBRUARY 2027 : Annual Examination				