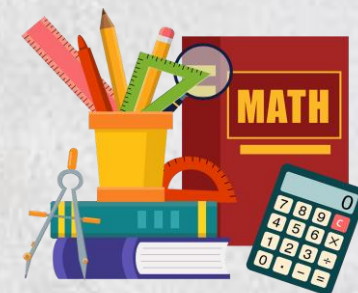




ST. PATRICK'S

Sr. Sec. School, Jaunpur

*Academic
Year
2025-26*

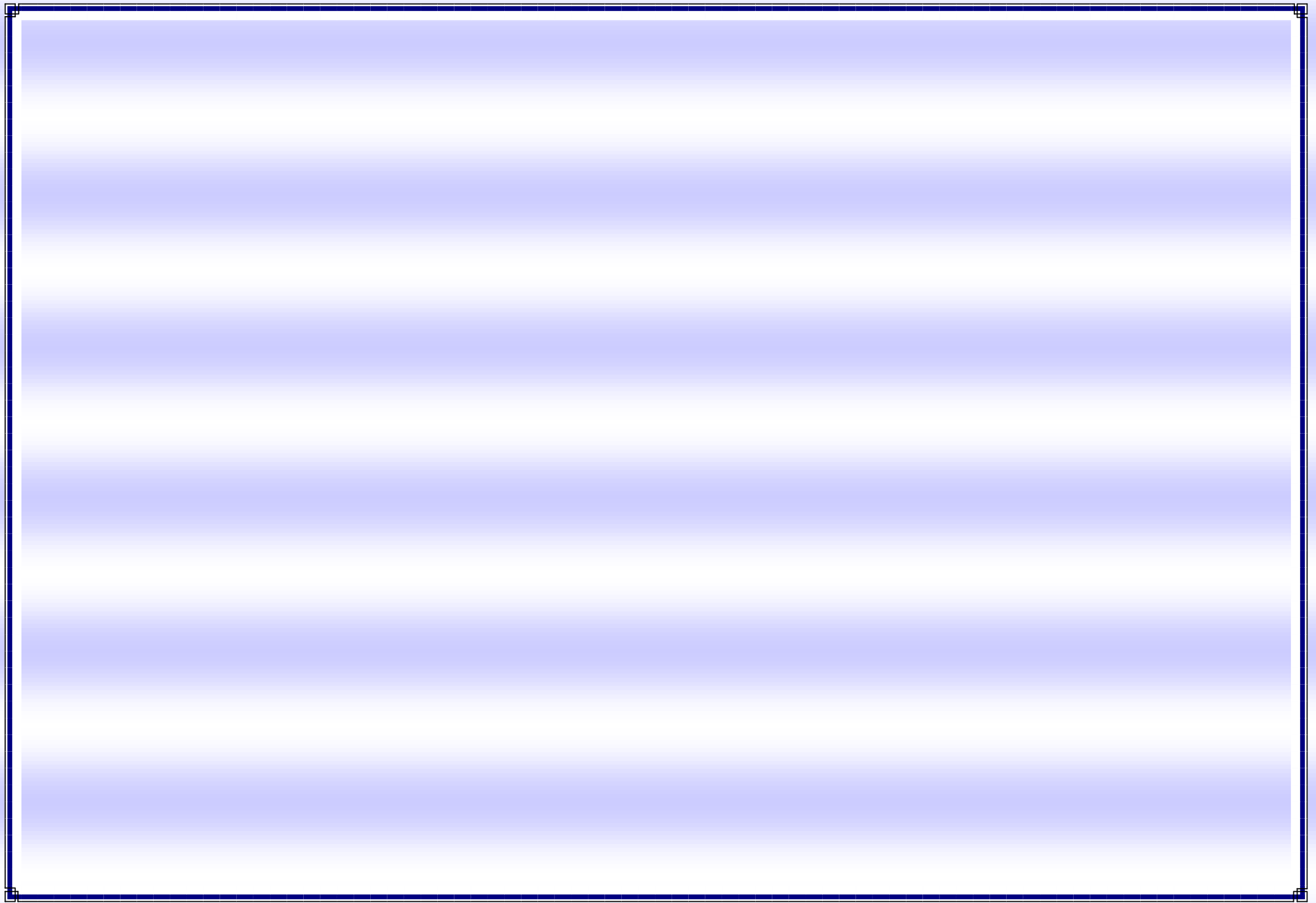


Yearly Syllabus

CLASS - IX

English Language & Literature (184)

Month	Chapters	Activity/Project
April	Prose The Last Lesson Lost Spring The Third Level Poetry My Mother at Sixty-Six Writing Letter to Editor	
May	Prose The Tiger King Deep Water Poetry Keeping Quiet Writing Notice Formal/Informal Invitation & Replies	<u>ART INTEGRATED ACTIVITY</u> Courage and optimism are attributes that can make the impossible possible.' Make a comparative study about 'Deep Water' and 'We're Not Afraid to Die...', which you have studied in class XI. Make a project file with instances from the two lessons to justify the above statement. (Word Limit: 800-1000 words)
July	Prose Journey to the End of The Earth The Rattrap On the Face of It Poetry A Thing of Beauty Writing Job Application	Project Prepare an E-magazine comprising all the special events of our school.
August	Prose Indigo The Enemy Poets and Pancakes Poetry A Roadside stand Writing Article Writing	
September	Half-Yearly Examination	
October	Prose Memories of Childhood Going Places The Interview Poetry Aunt Jennifer's Tigers Writing Report Writing	
November	Pre-Board Examination- I	
December	Pre-Board Examination- II	
January	Revision	
February	Board Examination Begins	



Hindi Course- A (002)

Physics (042)

Month	Chapters	Activity/Project/Art Integrated Project
April	CHAPTER 1 ELECTRIC CHARGES & FIELDS CHAPTER 2 ELECTROSTATIC POTENTIAL & CAPACITANCE	EXPERIMENTS SECTION A 1. To determine resistivity of two / three wires by plotting a graph for potential difference versus current. 2. To find resistance of a given wire / standard resistor using metre bridge. 3. To verify the laws of combination (series) of resistances using a metre bridge. OR To verify the laws of combination (parallel) of resistances using a metre bridge.
May	CHAPTER 3 CURRENT ELECTRICITY CHAPTER 4 MOVING CHARGES & MAGNETISM	4. To determine resistance of a galvanometer by half deflection method and to find its figure of merit. 5. To convert the given galvanometer (of known resistance and figure of merit) into a voltmeter of desired range and to verify the same. OR To convert the given galvanometer (of known resistance and figure of merit) into an ammeter of desired range and to verify the same. Suggested Investigatory Projects for Project File (Any One) 1. To study various factors on which the internal resistance/EMF of a cell depends. 2. To study the variations in current flowing in a circuit containing an LDR because of a variation in (a) the power of the incandescent lamp, used to 'illuminate' the LDR (keeping all the lamps at a fixed distance). (b) the distance of an incandescent lamp (of fixed power) used to 'illuminate' the LDR. 3. To find the refractive indices of (a) water (b) oil (transparent) using a plane mirror, an equiconvex lens (made from a glass of known refractive index) and an adjustable object needle. 4. To investigate the relation between the ratio of (i) output and input voltage and (ii) number of turns in the secondary coil and primary coil of a self-designed transformer. 5. To investigate the dependence of the angle of deviation on the angle of incidence using a hollow prism filled one by one, with different transparent fluids. 6. To estimate the charge induced on each one of the two identical Styrofoam (or pith) balls suspended in a vertical plane by making use of Coulomb's law. 7. To study the factor on which the self-inductance of a coil depends by observing the effect of this coil, when put in series with a resistor/(bulb) in a circuit fed up by an A.C. source of adjustable frequency. 8. To study the earth's magnetic field using a compass needle-bar magnet by plotting magnetic field lines and tangent galvanometer.
July	CHAPTER 5 MAGNETISM & MATTER CHAPTER 6 ELECTROMAGNETIC INDUCTION CHAPTER 7 ALTERNATING CURRENT	ACTIVITIES SECTION-A 1. To measure the resistance and impedance of an inductor with or without iron core. 2. To measure resistance, voltage (AC/DC), current (AC) and check continuity of a given circuit using multimeter. 3. To assemble a household circuit comprising three bulbs, three (on/off) switches, a fuse and a power source. 4. To assemble the components of a given electrical circuit. 5. To study the variation in potential drop with length of a wire for a steady current. 6. To draw the diagram of a given 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. SECTION-B 1. To identify a diode, an LED, a resistor and a capacitor from a mixed collection of such items. 2. Use of multimeter to see the unidirectional flow of current in case of a diode and an LED and check whether a given electronic component (e.g., diode) is in working order.

		3. To study effect of intensity of light (by varying distance of the source) on an LDR. 4. To observe refraction and lateral deviation of a beam of light incident obliquely on a glass slab. 5. To observe diffraction of light due to a thin slit. 6. To study the nature and size of the image formed by a (i) convex lens, or (ii) concave mirror, on a screen by using a candle and a screen (for different distances of the candle from the lens/mirror). 7. To obtain a lens combination with the specified focal length by using two lenses from the given set of lenses.
August	CHAPTER 8 E.M. WAVES CHAPTER 9 RAY OPTICS CHAPTER 10 WAVE OPTICS	EXPERIMENTS SECTION B 6. To find the focal length of a convex lens by plotting graphs between u and v or between $1/u$ and $1/v$. 7. To determine angle of minimum deviation for a given prism by plotting a graph between angle of incidence and angle of deviation.
September	CHAPTER 11 DUAL NATURE	Half Yearly Examination Begins
October	CHAPTER 12 ATOMS CHAPTER 13 NUCLEI CHAPTER 14 SEMICONDUCTOR ELECTRONICS: MATERIALS, DEVICES AND SIMPLE CIRCUITS	8. To find the value of v for different values of u in the case of a concave mirror and to find the focal length. 9. To find the refractive index of a liquid using a convex lens and plane mirror. 10. To draw the I-V characteristic curve for a p-n junction diode in forward and reverse bias.
November	Pre-Board I Begins	
December	Pre-Board II Begins	
January	Revision for Theory and Practical Exams for Cbse Board Examinations	
February	Board Examination Begins	

Chemistry (043)

Month	Chapters	Activity/Project/Art Integrated Project
April	Chapter 1 Solutions Chapter 2 Electrochemistry	<u>ART INTEGRATED ACTIVITY</u> To set up a simple voltaic cell and measure its emf.
May	Chapter 2 Electrochemistry (Conti..) Chapter 10 Biomolecules	Activity-I: To finalise the blueprint of investigatory project and completed as a holiday homework.
July	Chapter 3 Chemical kinetics Chapter 5 Coordination compounds	<u>ART INTEGRATED ACTIVITY</u> Diagrams and Flow Charts: They could create detailed diagrams or flowcharts to visualize processes like reaction mechanisms. Worksheet on coordination compound.
August	Chapter 6 Haloalkanes and haloarenes Chapter 7 Alcohol, Phenol and Ethers	Activity-II: Identification of Alcoholic and Phenolic group.
September	Revision & Term-I Examination Begins	
October	Chapter 4 d and f-block elements Chapter 8 Aldehydes, Ketones and carboxylic acids Chapter 9 Amines	Activity-III: DNP test to be shown in the lab. Activity-IV: Distinction between aldehyde and ketones.
November	Pre-Board- 1 Begins	
December	Pre-Board- 2 Begins	
January	Revision	
February	Board Examination Begins	

Biology (044)

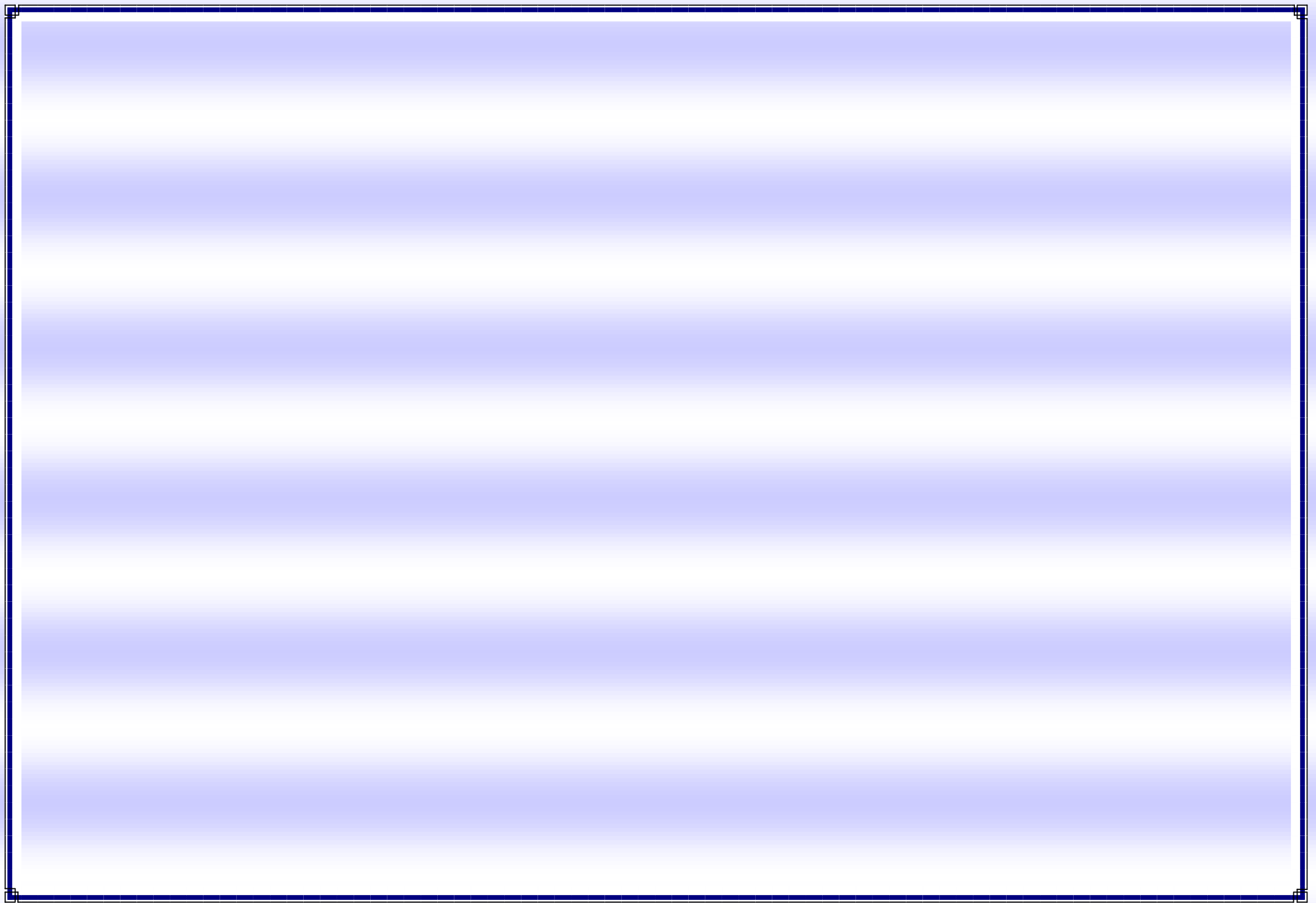
Month	Chapters	Activity/Project/Art Integrated Project
April	Lesson 1: Sexual Reproduction in Flowering plants Lesson 2: Human Reproduction Lesson 3: Reproductive Health	1. Flowers adapted to pollination by different agencies (wind, insects, birds). 2. Prepare a temporary mounted slide of pollen germination (Practical period) and study pollen germination through permanent slide 3. Controlled pollination - emasculation, tagging and bagging. ACTIVITY 1. Identification of stages of gamete development, i.e. T.S. of testis and T.S. of ovary through permanent slides (from grasshopper/mice). (to be done in the practical periods) 2. T.S. of blastula through permanent slides (Mammalian).
May	Lesson 3: Reproductive Health...Continue Lesson 4: Principle of inheritance and Variation	PROJECT 1. Presentation on any new discovery in the field of Biology (Internal Assessment) 2. Make a small investigatory project on STDs ACTIVITY 1. Mendelian inheritance using seeds of different colour/sizes of any plant. (to be done in the practical periods). 2. Prepare a temporary mount of onion root tip to study mitosis.
July	Lesson 5: Molecular basis of inheritance Lesson 6: Evolution Lesson 7: Human health and Diseases	PROJECT * Prepared pedigree charts of any one of the genetic traits such as rolling of tongue, blood groups, ear lobes, widow's peak and color blindness ART (Art Integrated Activity) Mode: Oral Presentation Topic: Concept of Evolution of Universe & Life with step wise formation of living organism (Simple to Complex) Props: Models, Chart ACTIVITY Flash card model showing example of Homologous and Analogous organs
August	Lesson 8: Microbes in Human welfare Lesson 9: Biotechnology: Principle and Processes Lesson 10: Biotechnology and its application	ACTIVITY * Common disease-causing organisms like Ascaris, Entamoeba, Plasmodium, any fungus causing ringworm through permanent slides, models or virtual images or specimens. Comment on symptoms of diseases that they cause. * Isolate DNA from available plant material such as spinach, green pea seeds, papaya, banana etc.
September	Half Yearly Examination Begins	
October	Lesson 11: Organisms and Population Lesson 12: Ecosystem Lesson 13: Biodiversity and its conservation	ACTIVITY * Population Density and frequency of a given population, Adaptation * Models specimens showing symbiotic association in lichens, root nodules of leguminous plants, and parasitic mode of nutrition shown by Cuscuta on host.
November	Pre-Board-1 Begins	
December	Pre-Board-2 Begins	
January	Revision	
February	Board Examination Begins	

Accountancy (055)

Month	Chapters	Activity/Project
April	Part A: Accounting for Partnership Firms 1. Fundamentals of Partnership Firms	CBSE Prescribed Project Work for Practical Evaluation by External Examiner (As per CBSE guidelines, 20 marks are allotted for project work, to be evaluated by the external examiner at the end of the academic session.) Project Work One specific project based on financial statement analysis of a company covering any two aspects from the following: <ol style="list-style-type: none"> 1. Comparative and common size financial statements 2. Accounting Ratios 3. Segment Reports 4. Cash Flow Statements
May	2. Goodwill 3. Change in the Profit-Sharing Ratio 4. Admission of a partner	
July	5. Retirement of a partner 6. Death of a partner 7. Dissolution of a partnership firm	
August	Accounting for Companies 1. Accounting for Share Capital 2. Accounting for Debentures	
September	HALF-YEARLY EXAMINATIONS	Art Integrated Activity TERM-1 Chapter: Company Accounts – Issue of Shares Mock Share Certificate Design: Design a creative share certificate for a company using artistic elements (embossed style, watermark symbols, logos). Art Integrated Activity TERM-2 Chapter: Cash Flow Statement Infographic Timeline: Create an illustrated timeline showing inflows and outflows with icons, colors, and hand-drawn flow arrows (could be made like a scroll).
October	Part B: Financial Statement Analysis 1. Financial statements of a Company 2. Financial Statement Analysis 3. Comparative statements, common size statements 4. Accounting Ratios 5. Cash Flow Statement	
November	PRE-BOARD EXAMINATIONS I	Sample Papers/Board Practicals Board Examination Begins
December	PRE-BOARD EXAMINATIONS II	
January		
February		

Economics (030)

Month	Chapters	Activity/Project/Art Integrated Project
April	Indian Economic Development 1. Indian Economy on the eve of Independence. 2. Indian Economy (1947 - 1990) Macro Economics 1. Introduction and basic concepts of Macroeconomics.- National Income and related Aggregates	➤ Assignment on Circular flow of Income in two sector economy.
May	Indian Economic Development 3. Economic Reforms since 1991 4. Human Capital Formation Macro Economics Methods of calculating National Income 2. Money & Banking	➤ Students will visit a bank to know functions of Commercial bank with credit creation process. ➤ Project on Evolution of Money from Barter system of Exchange till digitalization by pasting pictures of different Forms of Money..
July	Indian Economic Development 5. Rural Development Macro Economics 3. Aggregate demand & its components. 4. Short run equilibrium. 5. Problem of Excess and Deficit Demand.	➤ Exercise of Case Study Based Questions LA, SA, VSA
August	Indian Economic Development 6. Employment & Unemployment 7. Sustainable Development. Macro Economics 6. Government Budget	<u>ART INTEGRATED ACTIVITY</u> Projectsheets on current Global Issues Collage on different policies introduced for generating employment. Flowchart of chapter Government Budget
September	HALF YEARLY EXAMINATION	
October	Indian Economic Development 8. Development Experience of India, China and Pakistan. Macro Economics 7. Foreign Exchange Rate Balance of Payment.	Students will compare India, China and Pakistan with the help of bar diagram and pie diagram.
November	Pre-Board I Begins	
December	Pre-Board II Begins	
January	Revision	
February	Board Examination Begins	



Business Studies (054)

MONTH	CHAPTERS	ACTIVITY/PROJECT
April	1. Nature and Significance of Management	CBSE Prescribed Project Work for Practical Evaluation by External Examiner <i>(As per CBSE guidelines, 20 marks are allotted for project work, to be evaluated by the external examiner at the end of the academic session.)</i> Students are required to choose any one of the following projects: Project One: Elements of Business Environment- Study and analyze various forces of the business environment with real examples. Project Two: Principles of Management- Application of Fayol's or Taylor's principles through case study or real business examples. Project Three: Stock Exchange- Study the functioning of the stock market by tracking shares of a listed company. Project Four: Marketing- Create a marketing plan for a fictional product, including branding, pricing, promotion, and distribution. Art Integrated Activity TERM-1 Chapter: Planning Storyboard showing steps of planning process using Indian folk art for visual presentation. Art Integrated Activity TERM-2 Chapter: Financial Management Flipbook or decision-tree chart showing financing choices (Debt vs Equity) with creative decoration.
May	2. Principles of Management 3. Business Environment	
July	4. Planning 5. Organizing 6. Staffing	
August	7. Directing 8. Controlling	
September	Half-Yearly Examinations	
October	9. Financial Management 10. Financial Markets 11. Marketing Management 12. Consumer Protection	
November	Pre-Board Examinations I	
December	Pre-Board Examinations II	
January		Sample Papers/Board Practicals
February		Board Examination Begins

Computer Science (083)

Month	Chapters	Activity/Project/Art Integrated Project
April	UNIT I: COMPUTATIONAL THINKING AND PROGRAMMING – 2 Review of python Functions	<ul style="list-style-type: none"> ➤ Practical implementation lists, strings, tuple and of dictionary ➤ Practical implementation of functions (built- in & user defined)
May	Exception handling	<ul style="list-style-type: none"> ➤ Practical implementation of exception handling ➤ Practical implementation of text, binary, csv files
July	File handling (text, binary, csv files)	<u>ART INTEGRATED ACTIVITY</u> 1. To prepare / write function student_details(): on a binary file student dat, which accepts roll_no, number,name,percentage from the user. 2. To search the details of the student whose percentage is greater than 75%.
August	Data structure	➤ Practical implementation of stacks using list
September	Half-Yearly Examination	
October	UNIT II: COMPUTER NETWORKS UNIT III: DATABASE MANAGEMENT <ul style="list-style-type: none"> ➤ Database concepts ➤ Relational data model ➤ SQL Queries ➤ Interface of python with mysql database. 	<ul style="list-style-type: none"> ➤ Practical implementation of mysql queries. ➤ Practical implementation of python-mysql connectivity programs Project: Python-mysql connectivity (coding & documentation) <u>ART INTEGRATED ACTIVITY:</u> To prepare python- mysql connectivity menu-driven program using user-defined functions for performing following operations on the table Library. A) add_book(): B) Update_book(): C) Delete_book(): D) Display_book():
November	Pre-Board-1 Begins	
December	Pre-Board-2 Begins	
January	Revision	
February	Board Examination Begins	

Physical Education (048)

Month	Chapters	Activity/Project/Art Integrated Project
April	UNIT 1 Management of Sporting Events	1. Draw a free hand drawing of Corrective Measures for Postural Deformities. 2. Make a poster to prevent different diseases through different Yoga Asanas.
May	UNIT 2 Children and Women in Sports	3. Poster making on the benefits of Healthy Eating and nutrition in our life.
July	UNIT 3 Yoga as Preventive measure for Lifestyle Disease UNIT 4 Physical Education & Sports for (CWSN)	4. Write down the example of dislocation and fracture in the Various body parts and it's treatment.
August	UNIT 5 Sports & Nutrition UNIT 6 Test and Measurement in Sports UNIT 7 Physiology & Injuries in Sports	<u>ART INTEGRATED ACTIVITY</u> To compare the sports facilities of Uttar Pradesh with Arunachal Pradesh 5. Draw the pictures of five sports on chart paper where you find usage of friction most prominent.
September	Half Yearly Examination Begins	
October	UNIT 8 Biomechanics and Sports UNIT 9 Psychology and Sports UNIT 10 Training in Sports	7. Draw a free hand drawing of Isometric and Isotonic exercise (knee and Ankle)
November	Pre Board -I Begins	
December	Pre Board -II Begins	
January	Revision	
February	Board Examination Begins	

Mathematics (041)

Month	Chapters	Activity/Project/Art Integrated Project
APRIL	→Relations & Functions. →Inverse Trigonometric Functions. →Matrices.	1-To verify that relation is symmetric but neither reflexive nor transitive. 2-To verify that relation is an equivalence relation. 3-To demonstrate function which is not one-one but onto. 4-To demonstrate function which is one-one but not onto
May	→Determinants →Continuity and Differentiability	5.To verify that for a function f to be continuous at given point x_0 , $\Delta y = f(x_0 + \Delta x) - f(x_0) $ is arbitrary small provided that Δx is sufficient small <u>Art Integrated Activity</u> Make a project on Arunachal Pradesh. The project should contain the following Topics. 1.Acknowledgment 2.Objectives 3.Introduction 4 Climate of Arunachal Pradesh through 5.Literacy rate of Arunachal Pradesh 6.Land distribution of Arunachal Pradesh through
July	→Application of Derivatives. →Integration	6- Concept of Increasing and Decreasing function. 7-Concept of local maxima, local minima and point of inflection. 8- Rate of change of quantities
August	→Application of Integration. →Differential Equations →Vectors and Three-Dimensional	-9 To verify that angle in a semicircle is a right angle using vector method.
September		Term-I Examination Begins
October	→Linear Programming →Probability	ART INTEGRATED ACTIVITY Application of Integrals - 10 To explain the computation of conditional probability of a given event A, when event B has already occurred through an example of throwing a pair of Dice
November		Pre-Board I Begins
December		Pre-Board II Begins
January		Revision
February		Board Examination Begins

Yoga (841)

Month	Chapters	Activity/Project/Art Integrated Project
April	UNIT - 1 Introduction to Yoga and Yogic Practices - II	Repitition of Asana of class XI Practice of Tadasana Practice of ArdhaChakrasana Practice of Katichakrasana Practice of Dandasana
May	Unit 1: Communication Skills-IV	Practice of Bhadrasana Practice of Padamasana Practice of Vajrasana Practice of Utanmandukasana Practice of kakasana
July	Unit 2: Self-Management Skills-IV Unit 3: ICT Skills-IV	Practice of Parvatasana Practice of Makrasana Practice of Uttanpadasana Practice of Setubandhasana Practice of Vipritkarniasana
August	Unit 2 - Introduction to Yoga Texts - II Unit 4: Entrepreneurial Skills-IV	Practice of Saral matsyasana Practice of Shavasana Repitition of Pranayam of class XI
September	Half Yearly Examination Begins	
October	Unit 3 - Yoga for Health Promotion - II Unit 5: Green Skills-IV	Practice of Jalandhar and Uddayan Bandh Repitition of Mudras of class XI Practice of breath Meditation and OM Dhyan
November	Pre-Board 1 Examination Begins	
December	Pre-Board 2 Examination Begins	
January	Revision	
February	Board Examination Begins	