

Recognised Senior Secondary School, Affiliated to CBSE Vikas Puri, New Delhi

ANNUAL SYLLABUS

Session: 2025-26

CLASS XII

SUBJECT: ENGLISH

MONTH	FLAMINGO (LITERATURE READER)	VISTAS (SUPPLEMEN TARY READER)	WRITING SKILLS
MARCH/APRIL MAY	CH 1 The Last LessonPOEM 1 MyMother at Sixty- SixCH 2- Lost SpringCH 3- Deep WaterCH 4 The RattrapPOEM 3 -Keeping Optict	CH 1 The Third Level CH 2 The Tiger King CH 4 The Enemy CH 6 On the Face of It	Notice Writing Letter to the Editor
них	PERIODIC TEST – I	CH 8 Memories of	
	CH 6 Poets and Pancakes <u>POEM 4</u> A Thing of Beauty	Childhood The Cutting of My Long Hair We Too are Human Beings	Formal Invitations and Replies

AUGUST	CH 7 The Interview	Informal Invitations and Replies
	POEM 5 A Roadside Stand	Job Application
	CH 8 Going Places	Article Writing
	POEM 6 Aunt Jennifer's Tigers	
SEPTEMBER	MID TERM EXAMINATION	Report Writing – Magazine and Newspaper Report
OCTOBER	CH 3 Journey to the End of the Earth	
NOVEMBER- DECEMBER	REVISION	
	PREBOARD EXAMINATION I	ENTIRE SYLLABUS
JANUARY	PREBOARD EXAMINATION II CBSE PRACTICALS	ENTIRE SYLLABUS
FEBRUARY	REVISION	

Brain	International	Scho	ol
	Recognised Senior Secondary School	, Affiliated to	CBSE

SUBJECT: PHYSICS

Vikas Puri, New Delhi

Month	Book –NCERT	EXPERIMENTS/ACTIVITIES
March/April	Ch:1 Electric Charges and Field Ch:2 Electric Potential and Capacitance	 To determine resistivity of two / three wires by plotting a graph for potential difference versus current. To find resistance of a given wire / standard resistor using metre bridge.
May	Ch:3 Current Electricity Ch:4 Moving Charges and magnetism	 To verify the laws of combination (series) of resistances using a metre bridge.
	PERIODIC TEST-I	SYLLABUS: Ch: 1,2,3

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July	Ch:5 Magnetism and Matter Ch:6 Electromagnetic Induction Ch: 7 Alternating Current Ch: 8 Electromagnetic Waves	 To determine resistance of a galvanometer by half-deflection method and to find its figure of merit. ACTIVITIES: To assemble a household circuit comprising three bulbs, three (on/off) switches a fuse and a power source. To assemble the components of a given electrical circuit. 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
August	Ch: 9 Ray Optics and Optical Instruments	1. To find the feed length of a convex long by plotting graphs
August	Ch:10 Wave Optics	between u and v or between 1/u and 1/v.
		2. To find the focal length of a convex mirror, using a convex lens.
September	MID TERM EXAMINATION	SYLLABUS Ch: 1,2,3,4,5,6,7,8 and 9
October	Ch. 11Dual Nature of Radiation and	3. To determine angle of minimum deviation for a given prism by
	Matter	plotting a graph between angle of incidence and angle of deviation.
	Ch: 12 Atom	4. To draw the I-V characteristic curve for a p-n junction diode in
	Ch: 13 Nuclei	forward bias and reverse bias.
	Ch: 14 Semiconductors	

November/ December	REVISION	 ACTIVITIES: 1. To identify a diode, a Led, a resistor and a resistor and a capacitor from a mixed collection of such items. 2. To observe refraction and lateral deviation of a beam of light incident obliquely on a glass slab. 3. To obtain a lens combination with the specified focal length by using two lenses from the given set of lenses.
	PRE-BOARD EXAMINATION –I	ENTIRE SYLLABUS
January	PRE-BOARD EXAMINATION –II CBSE PRACTICALS	ENTIRE SYLLABUS
February	REVISION	

Investigatory Projects

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 a 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.



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SUBJECT: CHEMISTRY

Month	Book –NCERT	EXPERIMENTS
March/April	Ch:6 Haloalkanes and haloarenes Ch: 7 Alcohols	1.Titration finding molarity of KMnO ₄ with M/20 Mohr's salt sol.
May	Ch:7 Alcohols, phenol and ether Ch.8 Aldehyde, Ketones and Carboxylic acids	 2. Titration finding molarity of KMnO₄ with M/40Mohr's salt sol. 3. Titration with M/40 oxalic acid to find molarity and strength of KMnO₄ 4. Detect functional group (alcohol, Phenol, aldehyde, carboxylic)
	PERIODIC TEST-1	Syllabus Ch.6.haloalkanes and haloarenes Ch.7 Alcohol, phenol and ether
July	Ch:9 Amines Ch: 10 Biomolecules	5.Crystal formation of Mohr's salt / Alum
August	Ch:1Solutions Ch: 2 Electrochemistry	6.Chromatography (To separate constituents present in the inorganic mixture containing two cations only –Pb & Cd)
September	MID TERM EXAMINATION	Syllabus Chapter 1,2,3,6,7,8,9 and 10

October	Ch: 3 Chemical Kinetics	7. To study the effect of concentration on rate of reaction between sodium thiosulphate solution and hydrochloric acid solution.
	Ch: 4 d&f block elements	
	Ch.5 Coordinate Compounds	8. To study effect of change in temperature on the rate of reaction between sodium thiosulphate solution and hydrochloric acid solution.
November/ December	REVISION	9. Salt analysis, finding of cations and anions.
	PRE-BOARD EXAMINATION I	ENTIRE SYLLABUS
JANUARY	PRE-BOARD EXAMINATION II CBSE PRACTICALS	ENTIRE SYLLABUS
FEBRUARY	REVISION	



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CLASS XII

SUBJECT: MATHEMATICS

Month	Books	Activities
	NCERT- Part 1 & Part 2	
Mar/April	NCERT PART 1	
1	Chapter 1 Relations	
	Chapter 2 Inverse Trigonometric functions	
	Chapter 2 Matrices	
	Chapter 4 Determinants	
	Chapter 4 Determinants	
M		
May	NCERT PART I	Activity 1: To verify that the relation R in the set L
	Chapter 5 Continuity & Differentiations	of all lines in a plane, defined by
	Chapter 6 Application of Derivatives	$R = \{(l,m):l \text{ perpendicular.m}\}$ is symmetric but
		neither reflexive nor transitive
		Activity 2 : To demonstrate a function which is
		one-one but not onto
	PERIODIC TEST – I	Syllabus:
		NCERT PART 1
		Ch 1.Ch 2.Ch 3. Ch 4
		- , - , - , -
July	NCERT PART 2	Activity 3: To draw the graph of $sin^{-1}x$, using the graph
•	Chapter 7 Integration	of sinx and demonstrate the concept of mirror reflection
		(about the line $y=x$)
		Activity 4: 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
		A-c and also to check the containdity of the function at that point

Aug	NCERT PART 2 Chapter 8 Application Of Integration Chapter 9 Differential Equations Chapter 10 Vectors Algebra	Activity 5 To understand the concepts of local maxima, local minima and point of inflexion Activity 6 To construct an open box of maximum volume from a given rectangular sheet by cutting equal squares from each
		Corner
September	MID TERM EXAMINATION	Syllabus: NCERT PART 1 Chapter 1, 2, 3, 4, 5, 6 NCERT PART 2 Chapter 7, 8, 9
October	NCERT PART 2 Chapter 11 Three Dimensional geometry Chapter 12 Linear Programming problem Chapter 13 Probability	Activity 7: To verify that amongst all the rectangles of the same perimeter, the square has the maximum area.
November- December	REVISION	Activity 8:To verify geometrically that $\vec{c} \times (\vec{a} + \vec{b}) = \vec{c} \times \vec{a} + \vec{c} \times \vec{b}$ Activity 9 : To measure the shortest distance between Two skew lines and verify it analytically Activity 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
	PREBOARD EXAMINATION I	ENTIRE SYLLABUS
January	PREBOARD EXAMINATION II CBSE PRACTICALS	ENTIRE SYLLABUS
February	REVISION	

CBSE PROJECT WORK



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CLASS XII

SUBJECT: ACCOUNTANCY

Month	Books -Accountancy (NCERT) -Accounting for Partnership Firms Vol. I (T.S Grewal) -Accounting for Companies Vol. II (T.S Grewal) -Analysis of Partnership Firms Vol. III (T.S Grewal)	Activities
March/April	Accounting for Partnership Firms Ch.1: Fundamentals of Partnership Ch.2: Goodwill: Nature and Valuation	 Prepare a Partnership Deed Compare the change in the valued goodwill of a Partnership firm over a period of 5 years.
May	Ch.3: Change in Profit -Sharing Ratio Among the Existing Partners	 Mind Map on Journal Entries for the treatment of IFR and WCR.
	PERIODIC TEST – I	Syllabus: Ch. 1,2 (Part A)
July	Ch.4: Admission of a Partner Ch.5: Retirement of a Partner Ch.6: Death of a Partner	 Collect the financials of any one company for the year ending on March 2025.
August	Analysis of Partnership Firms Ch.1: Financial Statements of a Company Ch.2: Financial Statements Analysis Ch.3: Comparative and Common Size Statements Ch.4: Accounting Ratios	CBSE Accountancy Project Work

September	MID TERM EXAMINATION	Syllabus: Ch. 1,2,3,4,5,6 (Part A) Ch. 1,2,3,4 (Part B)
October	 Ch.5: Cash Flow Statement Accounting for Partnership Firms Ch.7: Dissolution of a Partnership Firm Accounting for Companies Ch.8: Accounting for Share Capital Ch.9: Accounting for Issue of Debentures 	 CBSE Accountancy Project Work
November- December	REVISION	
	PREBOARD EXAMINATION I	ENTIRE SYLLABUS
January	PREBOARD EXAMINATION II CBSE PRACTICALS	ENTIRE SYLLABUS
February	REVISION	

Project Work

One specific project based on financial statement analysis of a company covering any two aspects from the following:

- 1. Comparative and common size financial statements

- Accounting Ratios
 Segment Reports
 Cash Flow Statements

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CLASS XII

SUBJECT: BUSINESS STUDIES

Month	Books - Business Studies (Part A & B) (NCERT) -Business Studies- G.S Alag	Activities
March/April	Ch.1: Nature and Significance of Management Ch.2: Principles of Management	 Select an organisation and test the application of Principles of management.
May	Ch.3: Business Environment Ch.11: Marketing Management	 Prepare a case study of an organisation depicting the interrelation of various dimensions of business environment.
	PERIODIC TEST – I	Syllabus: Ch. 1,2
July	Ch.4: Planning Ch.5: Organising Ch.6: Staffing	 Prepare PPT on process of Planning, Organising and Staffing
August	Ch.7: Directing Ch.8: Controlling	CBSE Project Work

September	MID TERM EXAMINATION	Syllabus: Ch. 1,2,3,4,5,6,7,8,11
October	Ch.9: Financial Management Ch.10: Financial Markets Ch.12: Consumer Protection	 CBSE Project Work
November- December	REVISION	
	PREBOARD EXAMINATION I	ENTIRE SYLLABUS
January	PREBOARD EXAMINATION II CBSE PRACTICALS	ENTIRE SYLLABUS
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CBSE PROJECT WORK:

One project out of the following topics: 1. Elements of Business Environment

- Principles of Management
 Stock Exchange
 Marketing



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CLASS XII

SUBJECT: ECONOMICS

Month	Books	Activities
WIOIIUI	Judian Economia Development, Sandaan Cana	
	Indian Economic Development- Sandeep Garg-	
	Macro Economics – Sandeep Garg	
March/April	Macroeconomics	
	Ch 1 Circular Flow of Income	
	Ch 2 Basic concepts of macroeconomics	
	Ch 3 National Income and Related aggregates	
	Ch 4 Measurement of National Income	
	Indian Economic Development	
	Ch 1 Indian Economy on the eve of independence	
May	Indian Economic Development	Activity: Collect information on all five-Year plans
	Ch 2 Indian Economy (1950-1990)	implemented in India including their aim, target and
	Ch 3 Economic Reforms: Liberalization.	success.
	Privatization and Globalization	Activity: Analyze the impact of Economic reforms on
		Indian Economic Development.
	PERIODIC TEST – I	Syllabus:
		Macroeconomics: Ch 1.2, 3, 4
		IED: Ch 1
Julv	Indian Economic Development	Activity: GD on the topic – Informalization of
J	Ch 4 Human Capital Formation	workforce
	Ch 5 Rural Development	
	Ch 6 Employment: Growth Informalization and other Issues	
	Macro Feonomics	
	Macro Economics	

	Ch 5 Money	
August	Macroeconomics	Activity: Visit to any Bank and collect theinformation
	Ch 6 Banking	regarding its functioning.
	Ch / Aggregate Demand and Related concepts	
	Ch 8 Income Determination and Multiplier	
	Ch 9 Excess Demand and Deficient Demand	
	MID TERM EXAMINATION	Syllabus:
September		Macroeconomics:1,2,3,4,5,6,7,8,9
		IED : 1,2,3,4,5,6
October		Activity: Give a brief overview of relationship
	Indian Economic Development	between change in India's international trade policy and
	Ch / Environment and Sustainable development	its impact on the value of rupee in foreign market.
	Ch 8 Comparative Development Experience of India and its Neighbors	
	Ch 10 Cost Budget and the Economy	
	Ch 11 Foreign Exchange Pate	
	Ch 12 Balance of Payments	
November-	BEVISION	
December		
December	DDEROADD EXAMINATION I	ENTIDE SVI I ARUS
	I REDOARD EAAMINATION I	ENTIRE STELADUS
January	PREBOARD EXAMINATION II	ENTIRE SYLLABUS
	CBSE PRACTICALS	
February	REVISION	

Project :

Class XII □ Micro and Small Scale Industries □ Food Supply Channel in India □ Disinvestment policy of the government □ Contemporary Employment situation in India □ Goods and Services Tax Act and its Impact on GDP □ Health Expenditure (of any state) □ Human Development Index \Box Inclusive Growth Strategy □ Trends in Credit availability in India \Box Self-help group □ Monetary Policy Committee and its functions □ Role of RBI in Control of Credit □ Government Budget & its Components □ Trends in budgetary condition of India □ Exchange Rate determination – Methods and Techniques □ Currency War – reasons and repercussions □ Livestock – Backbone of Rural India \Box Alternate fuel – types and importance □ Sarva Shiksha Abhiyan – Cost Ratio Benefits □ Golden Ouadrilateral- Cost ratio benefit □ Relation between Stock Price Index and □ Minimum Support Prices Economic Health of a Nation □ Waste Management in India – Need of the hour □ Minimum Wage Rate – Approach and Application \Box Digital India- Step towards the future \Box Rain Water Harvesting – A solution to water \Box Vertical Farming – An alternate way. crisis \Box Make in India – The way ahead □ Bumper Production- Boon or Bane for the farmer □ Rise of Concrete Jungle- Trend Analysis □ Organic Farming – Back to the Nature □ Aatmanirbhar Bharat □ e-Rupee (e- ₹) □ Sri Lanka's Economic Crisis □ Sustainable Development Goals (SDG's) □ Environmental Crisis □ Comparative Study of Economies □ New Education Policy (NEP) 2020: A (Maximum three economies) Promise for a New Education System □ G-20: Inclusive and Action Oriented □ Amrit Kaal: Empowered and Inclusive Economy \Box Cashless Economy \Box Any other newspaper article and its \Box Any other topic evaluation on basis of economic principles



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CLASS XII

SUBJECT: POLITICAL SCIENCE

Month	Textbook –NCERT Part A: Contemporary World PoliticsPart B: Politics in India Since Independence	Activities
March/April	Part A Contemporary World Politics Chapter 1: The End of Bipolarity. Chapter 2: Contemporary Centres of Power Part B: Politics in India Since Independence Chapter 1: Challenges of Nation-Building Chapter 2: Era of One-Party Dominance	Activity: Make a Poster on 'Partition & its consequences' Activity: Map work of India after independence. Activity: Debate on: 'Was the collapse of the USSR Inevitable?' Activity: Create posters showing the influence of China, Russia, EU, etc
May	Part B: Politics in India Since Independence Chapter 3: Politics of Planned Development Part A Contemporary World Politics Chapter 3: Contemporary South Asia PERIODIC TEST – I	Activity: Budget Simulation – Five-Year Plan Activity: Debate on – 'Will SAARC ever be as strong as EU? Syllabus: Part A- Ch-1, 2
		Part B- Ch 1,2,3

July	Part A Contemporary World Politics Chapter 4: International Organizations Chapter 5: Security in the Contemporary World <u>Part B: Politics in India Since Independence</u> Chapter 4: India's External Relations	Activity: Debate on making India a permanent UNSC member. Activity: Documentary Review – Cyber security & Terrorism Activity: Diplomatic Dialogue – India's Foreign Policy
August	Part A Contemporary World PoliticsChapter 6: Environment and Natural ResourcesPart B: Politics in India Since IndependenceChapter 5: Challenges to and Restoration of the Congress SystemChapter 6: The Crisis of Democratic OrderChapter 7: Regional Aspirations	Activity: A debate/trial on whether the emergency was justified. Activity: Climate Change Mock UN Conference Activity: Discussion on various Naxalite movements
September	MID TERM EXAMINATION	Syllabus: Part A- Ch-1, 2,3,4,5,6 Part B- Ch 1,2,3,4,5,6
October	Part A Contemporary World Politics Chapter 7: Globalisation Part B: Politics in India Since Independence Chapter 8: Recent Developments in Indian Politics	Activity: Create a presentation on electoral trends from 1952 to 2025. Activity: Globalization Debate – "Boon or Bane?"
November December	REVISION PREBOARD EXAMINATION I	ENTIRE SYLLABUS
January	PREBOARD EXAMINATION II CBSE PRACTICALS	ENTIRE SYLLABUS
February	REVISION	

Project :

Class XII

- 1) China- The emerging power
- 2) India The emerging power
- 3) One party dominance
- 4) Changing role of the UN
- 5) TERRORISM a new security threat
- 6) Role of regional organisations European Union
- 7) Role of regional organisations ASEAN
- 8) Role of regional organisations BRICS
- 9) The International Organisation- The UN
- 10) Challanges of nation building- India after partition
- 11) Globalisation
- 12) NAM- 1961 to present times.
- 13) Division of Germany with special focus on the construction and dismantling of the Berlin Wall.
- 14) CIS-Central Asian Republics
- 15) Disintegration of USSR with special focus on Gorbachev
- 16) ANY OTHER TOPIC RELATED TO SYLLABUS



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CLASS XII

SUBJECT: PSYCHOLOGY

Month	Books NCERT BOOK	Activities
	NCERT BOOK	
Mar/April	CH 1 VARIATIONS IN PSYCHOLOGICAL ATTRIBUES CH 2 SELF AND PERSONALITIES	PRACTIAL: SCQ MPI
May	CH 2 SELF AND PERSONALITIES	VISIT AN NGO INTERNSHIP IN FORTIS HOSPITAL
	PERIODIC TEST – I	Syllabus: Ch 1 Variations In Psychological Attribues Ch 2 Self And Personalities
July	CH 3 MEETING THE LIFE CHALLENGS CH 4 PSYCHOLOGICAL DISORDERS	PRACTICAL: SAS PROJECT: CASE STUDY

Aug	CH 4	PRACTICAL: AISS
_	PSYCHOLOGICAL DISORDERS (Contd.)	
	СН 5	
	THERAPUTIC APPROACHES	
		S-llaburg
Sontombor	WID TERM EXAMINATION	Ch 1
September		UII I Veriations In Dsychological Attribuos
		variations in Psychological Attribues
		Self And Personalities
		Meeting The Life Challengs
		Ch 4
		Psychological Disorders
		Ch 5
		Theraputic Approaches
October	СН 6	PRACTICAL: SCAT
	ATTITUDE AND SOCIAL COGNITION	
	CH 7	
	SOCIAL INFLUENCE AND GROUP PROCESSES	
November-	REVISION	
December		
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	reduard examination i	ENTIKE STELADUS
January	PREBOARD EXAMINATION II	ENTIRE SYLLABUS
	CBSE PRACTICALS	
February	REVISION	

Project:

- Class XII
- \Box Eating disorder
- \Box self concept
- □ Emotional stress
- \Box Peer pressure
- □ Phobias (Lizards, height, water, cockroach Darkness etc)
- □ Examination anxiety
- □ Stage fear
- \Box Separation anxiety
- \Box Low self esteem
- \square Panic attack
- \Box Gender discrimination
- \Box Addiction
- $\hfill\square$ Obsessive compulsive
- \Box Bodily kinesthetic



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CLASS XII

SUBJECT: BIOLOGY

Month	Books:	Activities
	NCERT	
	NCERT EXEMPLAR	
March/	Ch:1 Sexual reproduction In Flowering Plants	
April	Ch:2 Reproduction in Human Beings	1. To study pollen germination through permanent slide.
		2. To study adaptations in flowers for pollination by
		various agencies –Insects, water, wind.
		3. To study meiosis in onion bud cell or grass hopper
		testis through permanent slides.
		4. Exercise on controlled pollination- emasculation, bagging
		and tagging.
May	Ch:3 Reproductive Health	5. To prepare a temporary mount showing germination of
		pollen grains.
		6. To prepare temporary mount of onion root tip to study
		mitosis.
		7 To study Comptogenesis T. S. of Oyery
		7. To study Gametogenesis –1. S of Ovary, Testis (Mammal) through normanant slides
		Testis(Manimal) unough permanent shoes.
		a. To study stage Blastula (Amphibia)through permanent
	PERIODIC IEST - I	Synadus: Un 1,2
July		9. Study and observe Mendelian inheritance
	Ch:4 Principles of Inheritance and Variations cont.	using seeds of different colour/ size of any
		plant.

	Ch:5 Molecular Basis of Inheritance Ch: 6 Evolution	 10. To study prepared pedigree charts of genetic traits like rolling of tongue, blood groups, ear lobes, widow's peak and colour blindness. 11. Study and observe the flash cards models showing examples of homologous and analogous organs.
August	Ch: 7 Human Health and Diseases Ch: 8 Microbes in human welfare Ch: 9 Biotechnology Principles and Processes Ch: 10 Biotechnology and its Applications	 12. To identify the common disease causing organisms like Ascaris, Entamoeba, Plasmodium, any fungus causing ring worm through specimens or slides. Comment on symptoms of diseases that they cause. 13. Isolate DNA from available plant material such as Spinach, garden pea seed, papaya etc
September	MID TERM - EXAMINATION	Syllabus: Ch 1,2,3,4,5,6,7,8.
October	Ch: 11 Organisms and Population Ch: 12 Ecosystem Ch: 13 Bio-diversity and its Conservation	 14. Study and observe model specimen showing symbolic association in root modules of leguminous plants, cuscuta on host, lichens 15.Study population density by quadrat method. 16. Study population frequency by quadrat method.
November- December	REVISION	
	PREBOARD EXAMINATION I	ENTIRE SYLLABUS
January	PREBOARD EXAMINATION II CBSE PRACTICALS	ENTIRE SYLLABUS
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Project:

Class XII

Genetics and Evolution

1. Study of Mendelian Inheritance

- 2. DNA Fingerprinting
- 3. Genetic Variation and Mutation
- 4. Evolutionary Relationships

Human Physiology

- 1. Study of Human Digestive System
- 2. Blood Pressure and Hypertension
- 3. Human Immune System
- 4. Neurological Disorders

Ecology and Environment

- 1. Study of Ecosystem
- 2. Biodiversity and Conservation
- 3. Environmental Pollution
- 4. Wildlife Conservation

Biotechnology and Its Applications

- 1. Bioinformatics and Gene Sequencing
- 2. rDNA Technology
- 3. Biotechnology in Medicine
- 4. Environmental Biotechnology

Plant Physiology

- 1. Photosynthesis and Respiration
- 2. Plant Growth and Development
- 3. Plant Hormones and Their Functions
- 4. Plant Responses to Environmental Stimuli

Microbiology

- 1. Study of Microorganisms
- 2. Microbial Ecology
- 3. Microbial Biotechnology
- 4. Medical Microbiology



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CLASS XII

SUBJECT: COMPUTER SCIENCE

Month	Textbook – Computer Science With Python	Activities
	by Sumita Arora	
	Reference Book – NECRT	
Mar/April	Ch 1 : Python Revision Tour 1 Ch 2 : Python Revision Tour 2 Ch 3 : Working With Functions	 Practice all the basic concepts of python learnt in class XI Print 5 programs each of functions , after executing all programs in computer lab and make practical file.
May	Ch 5 : file handling	Execute 10 programs of file handling and add them to practical file
	PERIODIC TEST – I	Syllabus: Ch 1,2,3,5
July	Ch 6 : Exception Handling Ch 7 : Data Structures Ch 8 : Computer Networks – 1 Ch 9 : Computer Networks - 2	 Learn to differentiate types of networks , networking devices, wired and wireless medium of communication. Should be able to suggest the type of network, devises required, topology etc for a network to be set up under given circumstances
		 Practice menu driven programs stacks and add to practical file.

August	Ch 10 : Relationl Databases Ch 11 : Simple Queries in sql	
September	MID TERM EXAMINATION	Syllabus: Ch 1,2,,3,5,6,7,8,9,10,11
October	Ch 12 : Table creation and data manipulation (Continued) Ch 13 : Grouping Records, Joins in sql Ch 14 : Interface Python with sql	 Create student table with minimum 10 records and practice DDL, DML and DQL commands Practice Aggregate functions, math,string and data/time functions. Execute queries based on order by, group by clauses and equi joins Print 20 queries of sql with output and add them to practical file. Add 5 connectivity programs in file Completion of project as per CBSE guidelines.
November- December	REVISION	
	PREBOARD EXAMINATION I	ENTIRE SYLLABUS
January	PREBOARD EXAMINATION II	ENTIRE SYLLABUS
	CBSE PRACTICALS	
February	REVISION	

Project Topics (Python + MySQL Connectivity) For Class XII Computer Science (2025–26)

- 1. Library Management System
- 2. Student Information System
- 3. Hospital Management System
- 4. Restaurant Billing System
- 5. Railway Reservation System
- 6. School Admission System
- 7. Inventory Management System
- 8. Employee Record System
- 9. Online Bookstore Management
- 10.Gym Membership Management System
- 11.Hostel Management System
- 12.Banking System (Mini ATM Simulation)
- 13. Vehicle Service Booking System
- 14. College Event Registration System
- 15.Customer Feedback Management System
- 16.Hotel Room Booking System
- 17. Attendance Management System
- 18. Alumni Database System
- 19.Blood Donation Camp Management System
- 20. Courier Service Tracking System



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CLASS XII

SUBJECT: INFORMATICS PRACTICES

Month	Textbook – Informatics Practices by Sumita Arora Reference Book (NCERT)	Activities
Mar/April	Ch 1 : Python Pandas	 Practice all the programs of Series and Dataframes explained in class in computer lab Print 5 programs each of series and dataframes after executing all programs in computer lab and make practical file
May	Ch 3 : Plotting with pyplot	 Given school data, analyze the performance of students based on different parameters For the dataframes created above analyze and plot different charts with legend and title Print 2 programs each of line plot, bar plot and histogram after executing and add to practical file
	PERIODIC TEST – I	Syllabus: Ch 1,3
July	Ch 4 : Importing and Exporting data between csv files Ch 9 : Introduction to Computer Networks	 Learn to differentiate types of networks , networking devices, wired and wireless medium of communication.
		\clubsuit Should be able to suggest the type of network.

	Ch 10 : Introduction to internet and web	devises required, topology etc for a network to be set up under given circumstances
August	Ch 11 : Societal Impacts	 Learn thoroughly the topics such as IRP, plagiarism, cyber crime, cyber law ,e-waste management and safegaurd your sensitive data.
September	MID TERM EXAMINATION	Syllabus: Ch 1,3,4,9,10,11
October	Ch 5 : Mysql Revision tour Ch 6 : Mysql Functions Ch 7 : Querying using sql, Order By, Group By Ch 8 : Joins and set operations	 Create student table with minimum 10 records and practice DDL, DML and DQL commands Practice Aggregate functions, math, string and data/time functions. Execute queries based on order by, group by clauses and equi joins Print 20 queries of sql with output and add them to practical file. Completion of project as per CBSE guidelines.
November- December	REVISION	
	PREBOARD EXAMINATION I	ENTIRE SYLLABUS
January	PREBOARD EXAMINATION II	ENTIRE SYLLABUS
February	KEVISION	

Project Topics (Python + Pandas DataFrame)

For Class XII Informatics Practices (2025–26)

- 1. COVID-19 Data Analysis
- 2. Sales Data Analysis for a Retail Store
- 3. Student Performance Analysis (Marksheets)
- 4. IPL/T20 Cricket Statistics Analyzer
- 5. Movie Ratings and Box Office Collection Analysis
- 6. Weather Data Analysis (Temperature, Rainfall, etc.)
- 7. Survey Data Analysis (e.g., Social Media Usage or Diet Habits)
- 8. Online Shopping Behavior Analysis
- 9. Traffic Accident Data Analysis
- 10. Electricity Consumption and Billing Analysis
- 11.Employee Salary and Attendance Report Generator
- 12. Analysis of Olympic Medal Winners (Country-wise/Year-wise)
- 13. School Library Book Issue Data Analysis
- 14.College Course Enrollment and Dropout Rate Analysis
- 15. Mobile Phone Price vs Features Analysis
- 16. Analysis of Air Quality Index (AQI) Data
- 17.Budget vs Actual Expense Analyzer
- 18. Fitness and Health Tracker Analysis
- 19.Car Sales Data Analysis
- 20. Tourism and Travel Data Insights (Bookings, Ratings, Seasons)



Recognised Senior Secondary School, Affiliated to CBSE Vikas Puri, New Delhi

ANNUAL SYLLABUS Session: 2025-26

CLASS XII

SUBJECT: PHYSICAL EDUCATION

Month	Books Physical Education Text Book- SP PUBLICATION	Activities
March/April	UNIT-1 Management of Sporting Events UNIT-2 Children & Women in Sports	Sai Khelo India Test
May	UNIT-3 Yoga as Preventive measure for Lifestyle Disease	Sai Khelo India Test
	PERIODIC TEST – I	Syllabus: Unit I & II
July	UNIT-4 Physical Education and Sports for CWSN (Children withSpecial Needs - Divyang) UNIT-5 Sports & Nutrition	Yoga Lifestyle Asanas
August	UNIT-6 Test & Measurement in Sports UNIT-7 Physiology & Injuries in Sport UNIT-8 Biomechanics and Sports	Yoga Lifestyle Asanas

September	MID TERM EXAMINATION	Syllabus: Unit 1,2,3,4,5
October	UNIT-9 Psychology and Sports UNIT-10 Training in Sports	CBSE Practical Activities
November- December	REVISION	
	PREBOARD EXAMINATION I	ENTIRE SYLLABUS
January	PREBOARD EXAMINATION II CBSE PRACTICALS	ENTIRE SYLLABUS
February	REVISION	



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ANNUAL SYLLABUS Session: 2025-26

CLASS XII

SUBJECT: PAINTING

Month	Textbook – History of Indian Art (Full Marks)	Practical
March/April	The origin of Miniature painting Rajasthan school of miniature painting (Ch-1,2)	2 Sheets – Live Still Life (pencil shading)
Мау	Pahari school of miniature painting The Mughal school of miniature painting (Ch-3,4)	2 sheets – Nature Compositions (watercolours) 2 Sheets – Figurative Compositions (watercolours)
	PERIODIC TEST – I	Syllabus: Ch-1,2,3
July	The Deccan school of miniature painting Introduction to Bengal School of Painting (Ch-5,6)	2 Sheets – Artists-inspired Paintings 2 sheets – Human Anatomy (Figure study)

August	The Bengal School of Painting Contribution of Indian Artists Evolution of National Flag (Ch-7,8,9)	2 Sheets – Still Life watercolours
September	MIDTERM EXAMINATION	Syllabus: Ch-1,2,3,4,5
	The Modern Trends in Indian Art	
October	(Ch-10,11)	2 Sheets – 1-point & 2-point Perspective Study
	Revision	
November -		
December	REVISION	
	PREBOARD EXAMINATION I	ENTIRE SYLLABUS
	PREBOARD EXAMINATION II	ENTIRE SYLLABUS
January	CBSE PRACTICALS	
	PREBOARD EXAMINATION II	
February		
	CBSE PRACTICALS	



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Vikas Puri, New Delhi

वार्षिक पाठ्यक्रम			
	सत्र : 2025-26		
कक्षा - बारह		विषय – हिंदी	
मास	अंतरा (गदय भाग-2) अंतरा (पदय भाग-2)	अंतराल (भाग-2) अभिव्यक्ति और माध्यम	
मार्च व अप्रैल	पाठ – 1 प्रेमघन की छाया-स्मृति पाठ-1 देवसेना का गीत, कार्नेलिया का गीत	पाठ–1 सूरदास की झोंपड़ी अपठित गद्यांश अपठित काव्यांश रचनात्मक लेखन	
मई	पुनरावृत्ति पाठ-3 यह दीप अकेला, मैंने देखा एक बूँद	कार्यालयी लेखन और प्रक्रिया	
	आवर्ती परीक्षा 1	पाठ्यक्रम पाठ – 1 प्रेमघन की छाया-स्मृति पाठ – 1 देवसेना का गीत, कार्नेलिया का गीत पाठ–1 सूरदास की झोंपड़ी अपठित गदयांश, अपठित काव्यांश रचनात्मक लेखन	
जुलाई	पाठ – 2 सुमिरिनी के मनके पाठ – 4 संवदिया पाठ–2 गीत गाने दो मुझे, सरोज स्मृति	विभिन्न माध्यमों के लिए लेखन पत्रकारीय लेखन के विभिन्न रूप और लेखन प्रक्रिया	

	पाठ-4 बनारस, दिशा	
	पाठ-6 वसंत आया, तोड़ो	
अगस्त सितंबर	पाठ - 5 गांधी, नेहरू और यास्सेर अराफ़ात पाठ - 6 लघु कथाएँ (शेर, पहचान, चार हाथ, साझा) पाठ-7 भरत-राम का प्रेम, पद पाठ-8 बारहमासा अर्धवार्षिक परीक्षा	पाठ-3 बिस्कोहर की माटी विशेष लेखन-स्वरूप और प्रकार कैसे बनती है कविता नाटक लिखने का व्याकरण पाटक लिखने का व्याकरण पाठ - 1,2,4,5,6 पाठ - 1,2,3,4,6,7,8 पाठ - 1,3 अपठित गदयांश, अपठित काव्यांश , कार्यालयी लेखन और प्रक्रिया, विभिन्न माध्यमों के लिए लेखन, पत्रकारीय लेखन के विभिन्न रूप और ले खन प्रक्रिया,विशेष लेखन-स्वरूप और प्रकार, कैसे बनती है कविता, नाटक लिखने का व्याकरण, रचनात्मक लेखन
अक्तूबर	पाठ - 7 जहाँ कोई वापसी नहीं पाठ - 9 दूसरा देवदास पाठ - 10 कुटज पाठ-9 पद पाठ-11 कवित्त	पाठ–4 अपना मालवा: खाऊ–उजाडू सभ्यता में कैसे करें कहानी का नादय रूपांतरण कैसे बनता है रेडियो नाटक नए और अप्रत्याशित विषयों पर लेखन
नवंबर	पुनरावृत्ति	
D		
ादसंबर	प्री बोर्ड परीक्षा– 1	संपूर्ण पादयक्रम

जनवरी	प्री बोर्ड परीक्षा- 2	
	सी बी एस सी प्रैक्टिकल	संपूर्ण पाठ्यक्रम
फरवरी	पुनरावृत्ति	

परियोजना कार्य ः

अपनी हिंदी की पाठ्यपुस्तक से किसी भी साहित्यकार के जीवन व उनके द्वारा रचित किसी भी रचना पर आधारित एक परियोजना तैयार कीजिए | परियोजना इस ढंग से बनाई जाए -

(प्रथम पृष्ठ पर अपना नाम , स्कूल का नाम, कक्षा व अध्यापिका का नाम द्वितीय पृष्ठ पर अभिस्वीकृति , तृतीय पृष्ठ पर प्रमाण पत्र, तत्पश्चात् साहित्यकार का नाम , सूची , जीवन , रचनाएँ , पुरस्कार, रचना का सार, उस रचना का पसंदीदा पात्र, मृत्यु)