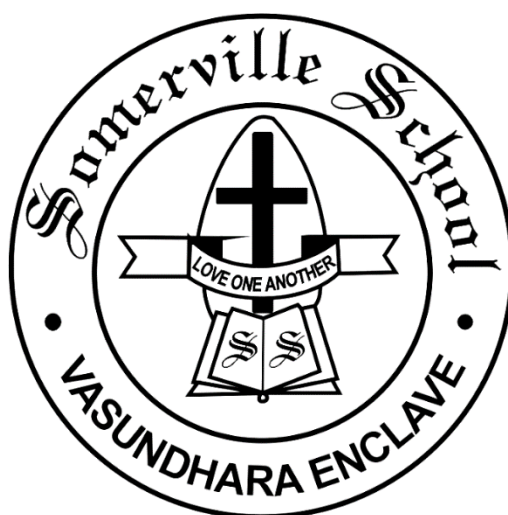


Somerville School

Vasundhara Enclave, Delhi – 110 096



Syllabus for Class XI 2024 – 2025

BOOK LIST – 2024 – 2025

SL. NO.	NAME	PUBLISHER	RATE
1	ENGLISH CORE (301)	N.C.E.R.T.	UP
	1. HORNBILL – TEXTBOOK IN ENGLISH FOR CLASS- XI (CORE COURSE)		
	2. SNAPSHOTS – SUPPLEMENTARY READER IN ENGLISH FOR CLASS -XI (CORE COURSE)	N.C.E.R.T.	UP
2	MATHEMATICS (041)	N.C.E.R.T.	UP
	1. MATHEMATICS - TEXTBOOK FOR CLASS-XI		
	2. MATHEMATICS – EXEMPLAR PROBLEMS (CLASS XI)		UP
3	APP. MATH (241) –APPL. MATHS-CLASS XI BY M.L. AGGARWAL & NEERAJ RAJ JAIN	AVICHAL PUBLISHING COMPANY	UP
4	PHYSICS (042)		
	1. PHYSICS – PART I - TEXTBOOK FOR CLASS - XI	N.C.E.R.T.	UP
	2. PHYSICS – PART II- TEXTBOOK FOR CLASS - XI	N.C.E.R.T.	UP
	3. COMPREHENSIVE LABORATORY MANUAL IN PHYSICS – XI	LAXMI PUBLICATIONS	UP
5	CHEMISTRY (043)		
	1. CHEMISTRY PART – I TEXTBOOK FOR CLASS XI	N.C.E.R.T.	UP
	2. CHEMISTRY PART – II TEXTBOOK FOR CLASS XI	N.C.E.R.T.	UP
	3. COMPREHENSIVE LABORATORY MANUAL IN CHEMISTRY – XI	LAXMI PUBLICATIONS	UP
6	BIOLOGY (044)		
	1. BIOLOGY – TEXTBOOK FOR CLASS XI	N.C.E.R.T.	UP
	2. COMPREHENSIVE LABORATORY MANUAL IN BIOLOGY- XI	LAXMI PUBLICATIONS (P) LTD	UP
7	COMPUTER SCIENCE (083)		
	COMPUTER SCIENCE WITH PYTHON –XI BY PREETI ARORA	SULTAN CHAND	UP
8	BUSINESS STUDIES (054)		
	BUSINESS STUDIES FOR CLASS- XI	N.C.E.R.T.	UP
9	ACCOUNTANCY (055)		
	DOUBLE ENTRY BOOK KEEPING - XI BY T. S. GREWAL	SULTAN CHAND	UP
10	ECONOMICS (030)		
	1. STATISTICS FOR ECONOMICS BY N.M. SHAH	ARYA PUBLICATIONS	UP
	2. MICRO ECONOMICS BY B. L GUPTA	ARYA PUBLICATIONS	UP
11	HISTORY (027)		
	THEMES IN WORLD HISTORY -TEXTBOOK IN HISTORY FOR CLASS XI	N.C.E.R.T.	UP
12	POLITICAL SCIENCE (028)		
	1. POLITICAL THEORY – TEXTBOOK FOR CLASS XI	N.C.E.R.T.	UP
	2. INDIAN CONSTITUTION AT WORK-TEXTBOOK IN POLITICAL SCIENCE FOR CLASS XI	N.C.E.R.T.	UP
13	PSYCHOLOGY (037)		
	PSYCHOLOGY – TEXTBOOK FOR CLASS XI	N.C.E.R.T.	UP
14	PHYSICAL EDUCATION (048)		
	HEALTH AND PHYSICAL EDUCATION TEXT BOOK OF PHYSICAL EDUCATION-XI BY DR. V. K. SHARMA	SARASWATI HOUSE (P) LTD.	UP
15	APPLIED ART (052)		
	HISTORY OF INDIAN ART – CLASS XI BY DEVENDER KUMARI	ONE SOURCE PUBLICATIONS	UP

16	INFORMATION TECHNOLOGY (802)			
	BOOK 1			
	TITLE: EMPLOYABILITY SKILLS TEXTBOOK FOR CLASS XI		N.C.E.R.T.	UP
	BOOK 2			
	TITLE: IT TOOLS LEVEL III			UP

STATIONERY LIST–2024–2025

SL. NO.	ITEM	DESCRIPTION	TOTAL NO. REQUIRED	RATE/PIECE
1	NOTEBOOKS	100 PAGES SINGLE LINED NOTEBOOKS A-4 SIZE	2	50/-
2	NOTEBOOKS	200 PAGES SINGLE LINED NOTEBOOKS A-4 SIZE	3	90/-
3	PRACTICAL NOTEBOOK FOR PHYSICS	ITC CLASSMATE -150 PAGES	1	100/-
4	PRACTICAL NOTEBOOK FOR CHEMISTRY	ITC CLASSMATE -150 PAGES	1	100/-
5	BIOLOGY	FILE WITH INTERLEAVED SHEETS	1	70/-
6	PHY. EDUCATION	PRACTICAL FILE (SARASWATI)	1	UP
7	APPLIED ART	IVORY SHEETS (A-3 SIZE-25 SHEETS) CARTRIDGE SHEET (A-3 SIZE-25 SHEETS) POSTER COLOUR SET (CAMLIN)	1 PACKET 1 PACKET 1 PACKET	170/- 140/- 100/-
8	MATHS ACTIVITY FILE	FILE WITH INTERLEAVED SHEETS	1	70/-

SYLLABUS FOR THE YEAR 2024 - 2025

MONTH: APRIL

S.NO.	SUBJECTS	TOPIC/ CHAPTER
1.	ENGLISH	Course Book: 1.A Photograph (Poem) 2. The Portrait of a Lady Writing Skills: 1. Classified Advertisements (Property for Sale/To Let). Reading: Comprehension Grammar: 1. Verb Forms (Tenses)
2.	PURE MATHS	Chapter1:Sets Chapter 2: Relations &Functions
3.	APPLIED MATHS	UNIT-1: Numbers, Quantification and Numerical Applications
4.	CHEMISTRY	Unit1:Some Basic Concepts of Chemistry Unit 2: Structure of Atom
5.	PHYSICS	Unit1:Physical World and Measurement Unit2: Kinematics
6.	BIOLOGY	Chapter 14: Breathing and Exchange of Gases Chapter 15: Body Fluids and Circulation
7.	HISTORY	Section A: Early Societies Theme 1: Writing and City Life
8.	ECONOMICS	StatisticsUnit1: Introduction (Chapter1&2) Micro Economics: Unit 1: Introduction.
9.	POLITICAL SCIENCE	Chapter 1: Constitution - Why and How? (B1) Chapter 2: Rights in the Indian Constitution (B1) Chapter 3: Elections and Representation (B1)
10.	ACCOUNTANCY	Chapter1: Introduction to Accounting Chapter 2: Basic Accounting Terms Chapter 3: Theory Base of Accounting
11.	BUSINESS STUDIES	Chapter-1 Nature and Purpose of Business Chapter 2: Forms of Business Organisation (including Formation of a Company)
12.	PSYCHOLOGY	Chapter 1: What is Psychology?
13.	PHYSICAL EDUCATION	Unit 1: Changing trends and career in Physical Education Practical File: Describe changing trends in sports & games in terms of changing playing surface, Wearable gear, Equipment, Technological advancement
14.	COMPUTER SCIENCE	Chapter 1 -Computer System Organization Chapter 2- Data Representation and Boolean Logic
15.	APPLIED ART	L-1: Object study Basic (Practical) L-2: Introduction to pre historic art in Indian (Theory)
16.	INFORMATION TECHNOLOGY	EMPLOYABILITY SKILLS Unit 4: Entrepreneurial Skills- III SUBJECTSPECIFICKILLS Unit -4: RDBMS

MONTH: MAY

S.NO.	SUBJECTS	TOPIC/ CHAPTER
1.	ENGLISH	Course Book: 3. The Laburnum Top (Poem) Supplementary Reader: 1. The Summer of the Beautiful White Horse Writing Skills: 1. Writing Skills: Classified Advertisements (Household Goods/ Vehicles for Sale). 2. Poster Making – Events Grammar: 1. Verb Forms (Contd.)
2.	PURE MATHS	Chapter 3: Trigonometric Functions
3.	APPLIED MATHS	UNIT-2: Algebra UNIT-3: Mathematical Reasoning
4.	CHEMISTRY	Unit 2: Structure of Atom Unit 3: Classification of Elements and Periodic Properties
5.	PHYSICS	Unit2: Kinematics (Continued) Unit 3: Laws of motion.
6.	BIOLOGY	Chapter 16: Excretory Products and their Elimination Chapter 17: Locomotion and Movement
7.	HISTORY	Section B: Empires Theme 2: An Empire across Three Continents
8.	ECONOMICS	Statistics Unit 2: Collection and Organisation of data-(Chapter- 3 & 4) Draft for Economics Project as per CBSE guidelines.
9.	POLITICAL SCIENCE	Chapter 1: Political Theory (B2) Chapter2: Freedom(B2) Chapter 3: Equality(B2)
10.	ACCOUNTANCY	Chapter 4: Bases of Accounting Chapter 5: Accounting Equation Chapter6: Accounting Procedures-Rules of Debit and Credit Chapter 7: Origin of transactions- Source Documents and Preparations of Vouchers (Project) Chapter 8: Journal
11.	BUSINESS STUDIES	Chapter 3: Private, Public and Global Enterprises. Chapter 4: Business Services. Chapter-5: Emerging Modes of Business.
12.	PSYCHOLOGY	Practical: Project on Methods of Enquiry in Psychology Chapter 2: Methods of Enquiry in Psychology

13.	PHYSICAL EDUCATION	Unit 2: Olympism Unit 3: Yoga Practical file: Labeled diagram of 400M Track & Field with computations.
14.	COMPUTER SCIENCE	Chapter3-Computational Thinking and Getting Started with Python
15.	APPLIED ART	L-3: Still life study L-4: Art of Indus valley L-6: Rock Paintings in India
16.	INFORMATION TECHNOLOGY	SUBJECT SPECIFIC SKILLS Unit -4: RDBMS (Continued)

MONTH : JULY

S.NO.	SUBJECTS	TOPIC/ CHAPTER
1.	ENGLISH	Course Book: 5. Discovering Tut: The Saga Continues Supplementary Reader: 2. The Address Reading: 1. Note Making and Summarising Writing Skills: 1. Classified Advertisements (Contd.) 2. Letter to the Editor
2.	PURE MATHS	Chapter4: Complex Numbers and Quadratic Equations, Chapter 5: Linear Inequalities Chapter 6: Permutations and Combinations
3.	APPLIED MATHS	UNIT-4: Calculus
4.	CHEMISTRY	Unit 4: Chemical Bonding and Molecular Structure Unit 5: Thermodynamics
5.	PHYSICS	Unit 4: Work, power and energy Unit 5: Motion of system of particles and rigid body
6.	BIOLOGY	Chapter 18: Neural Control and Coordination Chapter 19: Chemical Control and Integration Chapter 1: The Living World
7.	HISTORY	Theme 3: Nomadic Empires
8.	ECONOMICS	Micro Economics: Unit 2: Consumer's Equilibrium and Demand Statistics- Presentation of Data (Chapter-5,6 & 7)
9.	POLITICAL SCIENCE	Chapter 4: Social Justice(B2) Chapter 5: Rights (B2) Chapter 6: Citizenship (B2)
10.	ACCOUNTANCY	Chapter 9: Ledger Chapter 10: Special Purpose Books I- Cash Book Chapter 11: Special Purpose Books II- Other Books Chapter 12: Accounting of Goods and Services Tax (GST)

11.	BUSINESS STUDIES	Chapter-6: Social Responsibility of Business and Business Ethics
12.	PSYCHOLOGY	Practical-One Psychology Experiment Chapter 4: Human Development
13.	PHYSICAL EDUCATION	Unit 4: Physical Education and Sports for CWSN Unit 5: Physical Fitness, Health and Wellness
14.	COMPUTER SCIENCE	Chapter 4-Python Programming Fundamentals Chapter5-Conditional and Looping Constructs
15.	APPLIED ART	L-5: Nature study L-8: Buddhist and Jain Art
16.	INFORMATION TECHNOLOGY	EMPLOYABILITY SKILLS Unit 5: Green Skills- III SUBJECT SPECIFIC SKILLS Unit-1: Computer Organization

MONTH: AUGUST

S.NO.	SUBJECTS	TOPIC/ CHAPTER
1.	ENGLISH	CourseBook: 6. We are not afraid to die.....7.TheVoice of the Rain (Poem) Reading: 1. Note Making and Summarising (Contd.) Writing Skills: 1. Notice Writing 2. Revision Grammar: Revision ALS: Assessment of Listening and Speaking Skills
2.	PURE MATHS	Chapter 7: Binomial Theorem Chapter 8: Sequences and series
3.	APPLIED MATHS	UNIT-5: Probability
4.	CHEMISTRY	Unit 5: Thermodynamics Unit 6: Equilibrium (Chemical)
5.	PHYSICS	Unit5: Motion of system of particles and rigid body (cont) Unit 6: Gravitation Unit 7: Properties of Bulk Matter (Solids)
6.	BIOLOGY	Chapter 2: Biological Classification Chapter 3: Plant Kingdom Chapter 4: Animal Kingdom
7.	HISTORY	Section C: Changing Traditions Theme 4: The Three Orders Theme 5: Changing Cultural Traditions
8.	ECONOMICS	Micro Economics: Unit 3: Producer's Behaviour and Supply- Production Function Statistics: Unit 3: Statistical tools and interpretation Measures of Central Tendency Chapter 8: Arithmetic Mean

9.	POLITICAL SCIENCE	Chapter 4: Executive (B1) Chapter 5: Legislature (B1) Chapter 6: Judiciary (B1)
10.	ACCOUNTANCY	Chapter13: Bank Reconciliation Statement Chapter 14: Trial Balance
11.	BUSINESS STUDIES	Chapter 7: Sources of Business Finance Chapter8: Small Business
12.	PSYCHOLOGY	Chapter 5: Sensory and Perceptual Processes
13.	PHYSICAL EDUCATION	Unit 6: Test, Measurement and Evaluation Practical: Labeled diagram of Field & Equipment of anyone IOA recognised Game / Sports of choice.
14.	COMPUTER SCIENCE	Chapter 6- Strings in Python Chapter7-Lists in Python (Introduction) submission of practical file.
15.	APPLIED ART	L-7: Composition work L-10: Hindu art and sculpture
16.	INFORMATION TECHNOLOGY	SUBJECT SPECIFIC SKILLS Unit -2: Networking And Internet

MONTH: SEPTEMBER – REVISION & HALF YEARLY EXAMINATION

MONTH: OCTOBER

S.NO.	SUBJECTS	TOPIC/ CHAPTER
1.	ENGLISH	Course Book: 8. The Adventure (Project) 9. Childhood (Poem) Supplementary Reader: 3. Mother's Day (Play) WritingSkills: 1. Classified Advertisements (Job Vacancies/Matrimonials/Missing) 2. Debate
2.	PURE MATHS	Chapter 9: Straight Lines Chapter 10: Conic Sections
3.	APPLIED MATHS	UNIT-6: Descriptive Statistics
4.	CHEMISTRY	Unit6: Equilibrium (Ionic) Unit 7: Redox Reactions
5.	PHYSICS	Unit7: Properties of Bulk Matter (cont) Unit 8: Thermodynamics
6.	BIOLOGY	Chapter 5: Morphology of Flowering Plants Chapter 6: Anatomy of Flowering Plants Chapter 7: Structural Organization in Animals
7.	HISTORY	Theme 6 : Displacing Indigenous People
8.	ECONOMICS	Statistics: Unit3: Statistical tools and interpretations (Chapter- 9) Median & Mode

9.	POLITICAL SCIENCE	Chapter 7: Federalism (B1) Chapter 8: Local Government (B1) Chapter 9: Constitution as a Living Document (B1)
10.	ACCOUNTANCY	Chapter 15: Depreciation Chapter 16: Provisions and Reserves Chapter 17: Rectification of Errors
11.	BUSINESS STUDIES	Chapter 9: Internal Trade
12.	PSYCHOLOGY	Chapter 6: Learning Chapter 7: Human Memory
13.	PHYSICAL EDUCATION	Unit 7: Fundamentals of Anatomy, Physiology in sports Unit 8: Fundamentals of Kinesiology and Biomechanics in sports
14.	COMPUTER SCIENCE	Chapter 7 - Lists in Python (continued) Chapter 8-Tuples and Dictionary
15.	APPLIED ART	L-9: Still life in colour, colour wheel L-12: Bronze Art
16.	INFORMATION TECHNOLOGY	EMPLOYABILITY SKILLS Unit 1: Communication Skills – III Unit 2: Self - Management Skills – III SUBJECT SPECIFIC SKILLS Unit-3: Office Automation Tools

MONTH: NOVEMBER

S. NO.	SUBJECTS	TOPIC/ CHAPTER
1.	ENGLISH	Course Book: 9. Silk Road Supplementary Reader: 4. Birth Writing Skills: 1. Invitations (Formal Letter & Card) 2. Poster Making (Issues/Awareness) Grammar: 5. Clauses (Noun & Adjective)
2.	PURE MATHS	Chapter 11: Introduction to 3-Dimensional Geometry Chapter 12: Limits and Derivative
3.	APPLIED MATHS	UNIT-7: Basics of Financial Mathematics
4.	CHEMISTRY	Unit 8: Organic Principles and some Basic Concepts in Chemistry Unit 9: Hydrocarbons
5.	PHYSICS	Unit 8: Thermo dynamics(cont) Unit 9: Behaviour of Perfect Gas & Kinetic Theory
6.	BIOLOGY	Chapter 8: Cell: The Unit of Life Chapter 9: Biomolecules Chapter 10: Cell Cycle and Cell Division

7.	HISTORY	Theme 7: Paths to Modernization
8.	ECONOMICS	Micro Economics: Unit3: Producer's Behaviour and Supply (Cost, Revenue, Producer's Equilibrium and Supply) Statistics: Correlation (Chapter 10)
9.	POLITICAL SCIENCE	Chapter10: Philosophy of the Constitution(B1) Chapter7. Nationalism (B2) Chapter 8. Secularism (B2).
10.	ACCOUNTANCY	Chapter18: Financial Statements of Sole Proprietorship Chapter 19: Adjustments in preparation of Financial Statements
11.	BUSINESS STUDIES	Chapter 10: International Business
12.	PSYCHOLOGY	Chapter8: Language and Thought
13.	PHYSICAL EDUCATION	Unit 9: Psychology and Sports Unit 10: Training and Doping in Sports
14.	COMPUTER SCIENCE	Chapter8-TuplesandDictionary (Continued) Chapter 9- Introduction to Python Modules
15.	APPLIED ART	L-11: Book cover with English Calligraphy L – 12: Bronze Art L 14: Art of Indo Islamic Culture
16.	INFORMATION TECHNOLOGY	EMPLOYABILITY SKILLS Unit 3: Information and Communication Technology Skills- III SUBJECT SPECIFIC SKILLS Unit 5: Fundamentals of Java

MONTH: DECEMBER

S.NO.	SUBJECTS	TOPIC/ CHAPTER
1.	ENGLISH	Course Book: 10. Father to Son Writing Skills: 1. Invitations (Informal letter) 2. Replies to Invitations 3. Job Application Grammar: 5. Clauses (Adverb)
2.	PURE MATHS	Chapter 13: Statistics Chapter 14: Probability
3.	APPLIED MATHS	UNIT-8: Coordinate Geometry
4.	CHEMISTRY	Unit 9: Hydrocarbons
5.	PHYSICS	Unit 10: Oscillations and waves
6.	BIOLOGY	Chapter 11: Photosynthesis in Higher Plants Chapter 12: Respiration in Plants Chapter 13: Plant Growth and Development
7.	HISTORY	Revision for Final Examination

8.	ECONOMICS	Unit 4: Forms of Markets and Price Determination under Perfect Competition with Simple Applications Statistics: Introduction to Index numbers.
9.	POLITICAL SCIENCE	Revision for Final Examination
10.	ACCOUNTANCY	Chapter 20: Accounts from Incomplete Records- Single Entry System Revision for Final Examination.
11.	BUSINESS STUDIES	Revision for Final Examination
12.	PSYCHOLOGY	Practical-One Psychology Experiment Chapter 9: Motivation and Emotion
13.	PHYSICAL EDUCATION	Revision: Unit 7 to 10 Practical: List of current National awardees (Dronacharya award, Arjun award and Rajiv Gandhi Khel Ratna award)
14.	COMPUTER SCIENCE	Chapter 9 – Introduction to Python Modules (Continued) Chapter 10 – Cyber Safety
15.	APPLIED ART	L 13: Hindi Devnagari Calligraphy L01: Manuscript painting and introduction to Miniature paintings
16.	INFORMATION TECHNOLOGY	SUBJECT SPECIFIC SKILLS Unit-5: FUNDAMENTALS OF JAVA

MONTH: JANUARY

S.NO.	SUBJECTS	TOPIC/ CHAPTER
1.	ENGLISH	Literature: 5. The Tale of Melon City (Poem), Revision Writing Skills: 1. Replies to Invitations 2. Revision ALS: PROJECT & VIVA
2.	PURE MATHS	Revision for Final Term Examination
3.	APPLIED MATHS	Revision/Numbers, Quantification and Numerical Applications
4.	CHEMISTRY	Revision for Final Term Examination
5.	PHYSICS	Unit10: Oscillations and waves(cont) Revision for Final Term Examination
6.	BIOLOGY	Revision for Final Term Examination
7.	HISTORY	Revision for Final Term Examination
8.	ECONOMICS	Indian Economic development India and its Neighbours Environment and sustainable development Rural development

9.	POLITICAL SCIENCE	Revision for Final Term Examination
10.	ACCOUNTANCY	Revision for Final Term Examination
11.	BUSINESS STUDIES	Revision for Final Term Examination
12.	PSYCHOLOGY	Revision for Final Assessment
13.	PHYSICAL EDUCATION	Yoga: Lifestyle related disease Revision for final exam
14.	COMPUTER SCIENCE	Chapter10-Society, Law and Ethics Submission of practical file and project with project file
15.	APPLIED ART	Practical mock test Revision for theory
16.	INFORMATION TECHNOLOGY	SUBJECT SPECIFIC SKILLS Unit-5: FUNDAMENTALS OF JAVA (CONT)