

# Somerville School

Vasundhara Enclave, Delhi – 110 096



## Syllabus for Class XII

2017 – 2018

## BOOK LIST

S.No.	Name	Publisher	Rate	Book Binding
1.	<b>English Core (301)</b>			
	1. Flamingo – Textbook in English for Class XII (Core Course)	N.C.E.R.T.	45.00	12
	2. Vistas – Supplementary Reader in English for Class XII (Core Course)	N.C.E.R.T.	40.00	12
	3. The Invisible Man By H G Wells (Unabridged)	V-Connect Education	230.00	
2.	<b>Mathematics</b>			
	1. Mathematics - Textbook for Class XII – Part-I	N.C.E.R.T.	115.00	12
	2. Mathematics - Textbook for Class XII – Part-II	N.C.E.R.T.	130.00	12
3.	<b>Physics</b>			
	1. Physics – Part I - Textbook for Class –XII	N.C.E.R.T.	165.00	12
	2. Physics – Part II - Textbook for Class –XII	N.C.E.R.T.	140.00	12
	3. Comprehensive Practical Physics – XII	Laxmi Publications (P) Ltd	240.00	
4.	<b>Chemistry</b>			
	1. A Textbook of Chemistry for Class XII – Part I	N.C.E.R.T.	165.00	12
	2. A Textbook of Chemistry for Class XII – Part II	N.C.E.R.T.	115.00	12
	3. Comprehensive Practical Chemistry –XII	Laxmi Publications (P) Ltd.	240.00	
5.	<b>Biology</b>			
	1. Biology – A Textbook For Class XII	N.C.E.R.T.	Under Print	
	2. Comprehensive Laboratory Manual in Biology XII	Laxmi Publications Pvt Ltd.	185.00	
6.	<b>Computer Science</b>			
	Computer Science with C++ - XII by Sumita Arora	Dhanpat Rai & Co.	475.00	
7.	<b>Business Studies</b>			
	1. Business Studies for XII – Part I	N.C.E.R.T	95.00	12
	2. Business Studies for XII – Part II	N.C.E.R.T	75.00	12
8.	<b>Accountancy</b>			
	1. Double Entry Book Keeping - XII by T. S. Grewal	Sultan Chand	345.00	
	2. Analysis of Financial Statements – XII by T.S.Grewal	Sultan Chand	385.00	

9.	<b>Economics</b> 1. Introductory Microeconomics 2. Introductory Macroeconomics	Goyal Brothers Prakashan  Goyal Brothers Prakashan	(Combined Books)  450.00	
10.	<b>History</b> 1. Themes of Indian History – Part I 2. Themes of Indian History - Part II 3. Themes in Indian History – Part III	N.C.E.R.T. N.C.E.R.T. N.C.E.R.T.	Under Print 95.00 115.00	12 12
11.	<b>Political Science</b> 1. Politics in India Since Independence 2. Contemporary World Politics	N.C.E.R.T. N.C.E.R.T.	Under Print Under Print	
12.	<b>Psychology</b> Psychology – Textbook for Class XII	N.C.E.R.T.	125.00	12
13.	<b>Applied Art (052)</b> History of Indian Art – Class XII by Devender Kumari	One Source Publications	180.00	
14.	<b>Physical Education</b> Textbook of Physical Education – XII	Saraswati House (P) Ltd.	225.00	
			<b>Total</b>	<b>4541</b>

**STATIONERY LIST - 2017 - 2018**

<b>SL. No.</b>	<b>SUBJECT</b>	<b>ITEM</b>	<b>REQUIRED NO.</b>	<b>RATE</b>
1	<b>NOTE BOOKS</b>	100 PAGES SINGLE LINED (A-4 SIZE)	10	300.00
2	<b>PRACTICAL NOTE BOOK FOR PHYSICS</b>	ITC'S CLASSMATE - 184 PAGES	1	75.00
3	<b>PRACTICAL NOTE BOOK FOR CHEMISTRY</b>	ITC'S CLASSMATE - 150 PAGES	1	75.00
4	<b>BIOLOGY</b>	FILE WITH INTERLEAVED SHEETS	1	60.00
5	<b>PHY. EDUCATION</b>	PRACTICAL FILE (SARASWATI)	1	Under Print
6	<b>APPLIED ART</b>	IVORY SHEETS (A-3 SIZE-25 SHEETS)	1 PKT	100.00
		CARTRIDGE SHEETS (A-3 SIZE-25 SHEETS)	1 PKT	100.00
		POSTER COLOUR SET (CAMLIN)	1 PKT	170.00
7	<b>CARRY BAG (2 NOS. OPTIONAL)</b>			16.00
<b>GRAND TOTAL</b>				<b>896.00</b>

**SYLLABUS FOR THE YEAR 2017-2018**

**MONTH : MARCH**

S.NO.	SUBJECTS	TOPIC/ CHAPTER
1.	ENGLISH	<b>Course Book:</b> 1. My Mother at Sixty-Six - Kamala Das ( <i>Poem</i> ) 2. Keeping Quiet - Pablo Neruda ( <i>Poem</i> ) 3. Aunt Jennifer's Tigers - Adrienne Rich ( <i>Poem</i> ) <b>Supplementary Reader:</b> 1. Should Wizard Hit Mommy – John Updike (Short Story) <b>Writing Skills:</b> 1. Classified Advertisement
2.	MATHS	Ch – 3: Matrices Ch – 4: Determinants
3.	CHEMISTRY	Unit 10 Haloalkanes and Haloarenes Unit 11 Alcohols, Phenols and Ethers
4.	PHYSICS	Unit 1: Electrostatics
5.	BIOLOGY	Principles Of Inheritance and Variation
6.	HISTORY	<b>Theme 1</b> :Bricks,Beads and Bonethe HarappanCivilisation <b>Theme 2</b> : Kings, Farmers and TownsEarly States and Economies
7.	ECONOMICS	Unit -1 Introduction Unit -2 Consumer's Equilibrium and Demand, Indifference curve analysis
8.	POLITICAL SCIENCE	Ch 1.Challenges of Nation Building (B1) Ch 2.Era of One Party Dominance (B1)
9.	ACCOUNTANCY	Unit 1- Accounting for partnership firm (Fundamentals). Unit 2- Reconstitution of Partnership (Change in profit sharing ratio and valuation of goodwill)
10.	BUSINESS STUDIES	Ch 2 Accounting for Partnership (Basic Concepts)
11.	PSYCHOLOGY	1. Intelligence and Aptitude 2. Self and Personality
12.	PHYSICAL EDUCATION	<b>Part-1 Unit 1-</b> Planning in Sports <b>Unit -2-</b> Adventure sports and leadership Training <b>Part 2-</b> Practical and Rules and Regulation Football and Basket ball.
13.	COMPUTER SCIENCE	L-11 Database Concepts
14.	APPLIED ART	L-1 Introduction to miniature paintings, Rajasthani and Pahari schools of art(theory) L-2 Study of basic concept of illustration

**MONTH : APRIL**

S.NO.	SUBJECTS	TOPIC/ CHAPTER
1.	ENGLISH	<b>Course Book: 4.</b> An Elementary School Classroom in a Slum - Stephen Spender( <i>Poem</i> ) <b>5.</b> A Thing of Beauty - John Keats ( <i>Poem</i> ) <b>Supplementary Reader: 2.</b> Memories of Childhood- Zitkala- Sa, Bama <b>WritingSkill: 1.</b> Classified Advertisement(contd) <b>Long Reading Text :</b> The Invisible Man
2.	MATHS	Ch – 1: Relations and Functions Ch – 2 Inverse Trigonometric Functions
3.	CHEMISTRY	Unit 11Alcohols, Phenols and Ethers (Contd) Unit 12Aldehydes, Ketones and Carboxylic Acids
4.	PHYSICS	Unit 2: Current electricity Unit 6: Optics (Ray optics)
5.	BIOLOGY	Molecular Basis of Inheritance
6.	HISTORY	<b>Theme 3 :</b> Kinship, Caste and Class Early Societies
7.	ECONOMICS	Unit -2 Consumer's Equilibrium and Demand, Indifference curve analysis.(Contd) Unit-6 National income and Related Aggregates
8.	POLITICAL SCIENCE	Ch 3. Politics of Planned Development(B1) Ch.4.India's External Relations (B1) Ch.5.Challenges to Restoration of the Congress System(B1)
9.	ACCOUNTANCY	Unit 3- Reconstitution of Partnership- Admission of partner
10.	BUSINESS STUDIES	Ch 3 Reconstitution of a Partnership Firm- Admission of a Partner
11.	PSYCHOLOGY	Ch 3. Human Strengths and Meeting Life Challenges Practical : Introduction to Psychological Testing and Two Psychological Tests
12.	PHYSICAL EDUCATION	Part-1- Unit 3- Sports and Nutrition Unit 4-Postures Part-2- Practical and Rules and Regulation Volley ball and Hand Ball.
13.	COMPUTER SCIENCE	L-12 Structured Query Language
14	APPLIED ART	L-3 Mughal and Deccan school of miniature painting L-4 Book Illustrations

**MONTH : MAY**

S.NO.	SUBJECTS	TOPIC/ CHAPTER
1.	<b>ENGLISH</b>	<p><b>Course Book:</b>Deep Water - William Douglas  <b>Supplementary Reader: 3.</b> The Tiger King- Kalki (Short Story)  <b>Long Reading Text :</b> The Invisible Man</p> <p><b>Writing Skills: 1.</b> Classified Advertisement(contd.)  <b>2.</b> Invitation (Formal/ Informal/ Replies)  <b>HOLIDAY HOMEWORK:</b>  Collect and paste the following:  1. Display Advertisements for 2 products and 2 services.  2. Two posters on any issue or event.  3. Read the novel, 'The Invisible Man'.</p>
2.	<b>MATHS</b>	Ch – 5: Continuity and Differentiability
3.	<b>CHEMISTRY</b>	Unit 13 Organic Compounds Containing Nitrogen Unit 14 Biomolecules
4.	<b>PHYSICS</b>	Unit 6 : Optics (Wave optics) Unit 3: Magnetic effects of current and magnetism
5.	<b>BIOLOGY</b>	Evolution Reproduction in Organisms
6.	<b>HISTORY</b>	<b>Theme 4:</b> Thinkers ,Beliefs and Buildings Cultural Developments
7.	<b>ECONOMICS</b>	Unit-6 National income and Related Aggregates (Contd)
8.	<b>POLITICAL SCIENCE</b>	Ch.6.The Crisis of Democratic Order(B1) Ch.7.Rise of Popular Movements(B1)
9.	<b>ACCOUNTANCY</b>	Unit 3- Reconstitution of Partnership - Retirement of partner ,Death of a partner.
10.	<b>BUSINESS STUDIES</b>	UNIT 5- Organising UNIT 6- Staffing
11.	<b>PSYCHOLOGY</b>	Ch.4. Psychological Disorders Ch.5. Therapeutic Approaches and Counselling
12.	<b>PHYSICAL EDUCATION</b>	Part-1 Unit 5- Children and Sports Part-2 Practical and Rules and Regulation Hockey and kho- kho
13.	<b>COMPUTER SCIENCE</b>	L-14 Communication And Network Concepts
14	<b>APPLIED ART</b>	L-5 Bengal school of Indian Art L-6 Study of human figure

**MONTH : JULY**

S.NO.	SUBJECTS	TOPIC/ CHAPTER
1.	<b>ENGLISH</b>	<b>Course Book: 7.</b> The Last Lesson - Alphonse Daudet (Short Story) <b>8.</b> The Rat Trap - Selma Lagerlof (Short Story) <b>9.</b> Going Places - A.R. Barton (Short Story) <b>Writing Skills: 2.</b> Invitation (Formal/ Informal/ Replies)
2.	<b>MATHS</b>	Ch – 6 Application of Derivatives Ch – 7: Integrals
3.	<b>CHEMISTRY</b>	Unit 1 The Solid State Unit 2 Solutions
4.	<b>PHYSICS</b>	Unit 4: Electromagnetic induction and AC circuits Unit 5: Electromagnetic waves
5.	<b>BIOLOGY</b>	Sexual Reproduction in Flowering Plants Human Reproduction
6.	<b>HISTORY</b>	<b>Theme 5</b> :Through the Eyes of Travellers Perceptions of Society <b>Theme 6</b> : Bhakti-Sufi Traditions Changes in religious Beliefs and Devotional Texts
7.	<b>ECONOMICS</b>	Unit-3 Producer Behaviour and Supply
8.	<b>POLITICAL SCIENCE</b>	Ch.1. Cold War Era in World Politics(B2) Ch.2. End of Bipolarity(B2) Ch.3. US Hegemony in World Politics (B2)
9.	<b>ACCOUNTANCY</b>	Unit 3- Dissolution of partnership firm. Unit 4- Accounting for share capital.
10.	<b>BUSINESS STUDIES</b>	UNIT 7- Directing. UNIT 8 -Controlling
11.	<b>PSYCHOLOGY</b>	Ch.6. Attitude and Social Cognition Ch.7. Social Influence and Group Processes
12.	<b>PHYSICAL EDUCATION</b>	Part-1 Unit -6- Women and Sports Unit -7- Test and Measurement in sports. Part-2 Practical sports terminologies and important tournament.
13.	<b>COMPUTER SCIENCE</b>	L-1 C++Revision Tour L-13 Boolean Algebra L-2 Object Oriented Programming L-3 Function Overloading
14	<b>APPLIED ART</b>	L-7 Influence of wash color technique in India L-8 Poster Making



**MONTH : AUGUST**

S.NO.	SUBJECTS	TOPIC/ CHAPTER
1.	<b>ENGLISH</b>	<b>Course Book: 10.</b> Lost Spring – Anees Jung <b>Supplementary Reader: 4.</b> On the Face of it- Susan Hill  <b>Writing Skills: 3.</b> Official Letters(School Matters) <b>Long Reading Text :</b> The Invisible Man
2.	<b>MATHS</b>	Ch – 8 : Application of Integrals Ch – 9 Differential Equations
3.	<b>CHEMISTRY</b>	Unit 3 Electrochemistry Unit 4. Chemical Kinetics Unit 5 .Surface Chemistry
4.	<b>PHYSICS</b>	Unit 7: Dual nature of matter and radiation
5.	<b>BIOLOGY</b>	Reproductive Health Strategies For Enhancement In Food Production Biotechnology: Principles’ And Precesses.
6.	<b>HISTORY</b>	<b>Theme 7:</b> An Imperial Capital: Vijayanagara Fourteenth to Sixteenth centuries <b>Theme 8:</b> Peasants, Zamindars and The State Agrarian Society and the Mughal Empire <b>Theme 9:</b> Kings and Chronicles The Mughal Courts
7.	<b>ECONOMICS</b>	Unit-4 Forms of Market and Price determination and Unit-7 Money and Banking
8.	<b>POLITICAL SCIENCE</b>	Ch.4. Alternative Centers of Power(B2) Ch.5. Contemporary South Asia (B2) Ch.6. International Organisations(B2)
9.	<b>ACCOUNTANCY</b>	Unit 5- Issue of debentures. Unit 6- Redemption of Debentures.
10.	<b>BUSINESS STUDIES</b>	UNIT 9- Financial management
11.	<b>PSYCHOLOGY</b>	Ch.8. Environmental and Social Concerns Practical - Two Psychological Test
12.	<b>PHYSICAL EDUCATION</b>	Part 1 Unit-8 Physiology and sports Unit-9 Sports Medicine Revision for half yearly exam.
13.	<b>COMPUTER SCIENCE</b>	L-4 Classes And Objects L-5 Constructors And Destructors L-6 Inheritance -Extending Classes
14	<b>APPLIED ART</b>	L -9 Contemporary art in India L-10 Poster making in color

**MONTH : OCTOBER**

S.NO.	SUBJECTS	TOPIC/ CHAPTER
1.	<b>ENGLISH</b>	<b>Course Book: 11.</b> Indigo - Louis Fischer <b>Supplementary Reader: 5.</b> The Enemy-Pearl S. Buck <b>Long Reading Text :</b> The Invisible Man
2.	<b>MATHS</b>	Ch – 10: Vector Algebra Ch – 11: Three – Dimensional Geometry Ch – 12: Linear Programming
3.	<b>CHEMISTRY</b>	Unit 6 General Principles And Processes Of Isolation Of Elements Unit 7. p- Block Elements
4.	<b>PHYSICS</b>	Unit 9: Electronic devices
5.	<b>BIOLOGY</b>	Biotechnology and its Applications Human Health
6.	<b>HISTORY</b>	<b>Theme 10:</b> Colonialism and the Countryside Exploring Official Archives <b>Theme11:</b> REBELS AND THE RAJ 1857 revolt and its Representations <b>Theme 12:</b> COLONIAL CITIES Urbanisation, Planning and Architecture
7.	<b>ECONOMICS</b>	Unit-8 Determination of Income and Employment
8.	<b>POLITICAL SCIENCE</b>	Ch.7. Security in Contemporary World (B2) Ch.8. Environment and Natural Resources(B2) Ch.9. Globalisation(B2)
9.	<b>ACCOUNTANCY</b>	Unit 7- Financial Statements of company. Unit 8- Ratio Analysis
10.	<b>BUSINESS STUDIES</b>	UNIT 10 - Financial Markets UNIT 11- Marketing Management
11.	<b>PSYCHOLOGY</b>	Ch.9. Applied Psychology Practical - One Psychological Test and Case Study
12.	<b>PHYSICAL EDUCATION</b>	<b>Part-1</b> <b>Unit-10</b> Biomechanics and Sports <b>Part 2-</b> Physical fitness. AAHPAR test
13.	<b>COMPUTER SCIENCE</b>	L-7 Data File Handling L-8 Pointers
14	<b>APPLIED ART</b>	L-11 Introduction of Canvas painting in India L-12 Portrait study

**MONTH : NOVEMBER**

S.NO.	SUBJECTS	TOPIC/ CHAPTER
1.	ENGLISH	<b>Supplementary Reader: 6.</b> Evans Tries an O Level – Colin Dexter <b>Long Reading Text :</b> The Invisible Man <b>Revision:</b> Writing Skills: 1. Business Letters 2. Job Application 3. Report
2.	MATHS	Ch – 13: Probability Revision
3.	CHEMISTRY	Unit 8:The d and f -Block Elements Unit 9:Coordination Compounds Unit 15 Polymers
4.	PHYSICS	Unit 8: Atoms and Nuclei Unit 10: Communication System
5.	BIOLOGY	Organisms And Population Ecosystem Biodiversity And Its Conservation
6.	HISTORY	<b>Theme 13:</b> Mahatma Gandhi and the Nationalist Movement Civil Disobedience and Beyond <b>Theme 14:</b> Understanding Partition Politics, Memories, Experiences <b>Theme 15:</b> Framing the Constitution The Beginning of a New Era
7.	ECONOMICS	Unit-9 Government Budget and the Economy Unit-10 Balance of Payments
8.	POLITICAL SCIENCE	Ch.8.Regional Aspirations(B1) Ch.9. Recent Developments in Indian Politics (B1)
9.	ACCOUNTANCY	Unit 9- Comparative Statement Unit 10- Cash Flow Statement
10.	BUSINESS STUDIES	UNIT 12- Consumer Protection Act
11.	PSYCHOLOGY	Revision
12.	PHYSICAL EDUCATION	<b>Part-1</b> <b>Unit 11</b> Psychology and Sports <b>Part-2</b> Athletics Draw a neat diagram Athletic track and field.
13.	COMPUTER SCIENCE	L-9 Arrays L-10 Linked Lists ,Stacks and Queues Project in C++ to be started
14	APPLIED ART	L-13 Art of Amrita shergill, Raja Ravi Verma, The Tagores. L-14 Animal figure study

**MONTH : DECEMBER**

S.NO.	SUBJECTS	TOPIC/ CHAPTER
1.	<b>ENGLISH</b>	Revision
2.	<b>MATHS</b>	Revision
3.	<b>CHEMISTRY</b>	Unit 16 Chemistry In Everyday Life Project Submission Revision
4.	<b>PHYSICS</b>	Revision
5.	<b>BIOLOGY</b>	Environmental Issues / Revision
6.	<b>HISTORY</b>	Revision
7.	<b>ECONOMICS</b>	Revision
8.	<b>POLITICAL SCIENCE</b>	Revision
9.	<b>ACCOUNTANCY</b>	Project Work and Revision
10.	<b>BUSINESS STUDIES</b>	Revision
11.	<b>PSYCHOLOGY</b>	Revision
12.	<b>PHYSICAL EDUCATION</b>	Unit 12 Training in Sports Pre-board Revision and Practical. <b>Part-2</b> Record file The event being opted must be other than from those administrative under physical fitness test.
13.	<b>COMPUTER SCIENCE</b>	Submission of project in C++ with Project file. Revision For Pre-Board Exams.
14	<b>APPLIED ART</b>	Revision