

# Somerville School

Vasundhara Enclave, Delhi – 110 096



## Syllabus for Class XI

### 2017 – 2018

## BOOK LIST 2017-2018

S. No.	Name	Publisher	Rate	Book Binding
1	<b>English Core (301)</b> 1. Hornbill – Textbook in English for Class XI (Core Course) 2. Snapshots – Supplementary Reader in English for Class XI (Core Course) 3. The Canterville Ghost by Oscar Wilde (Unabridged 1906 edition)	N.C.E.R.T. N.C.E.R.T. V-Connect Education	50.00 35.00 105.00	12.00 12.00
2	<b>Mathematics</b> Mathematics - Textbook for Class XI	N.C.E.R.T.	180.00	12.00
3	<b>Physics</b> 1. Physics – Part I - Textbook for Class - XI 2. Physics – Part II- Textbook for Class - XI 3. Comprehensive Practical Physics – XI	N.C.E.R.T. N.C.E.R.T. Laxmi Publications (P) Ltd	Under Print 260.00	
4	<b>Chemistry</b> 1. A Textbook of Chemistry for Class XI – Part I 2. A Textbook of Chemistry for Class XI – Part II 3. Comprehensive Practical Chemistry –XI	N.C.E.R.T. N.C.E.R.T. Laxmi Publications (P) Ltd	155.00 105.00 190.00	12.00 12.00
5	<b>Biology</b> 1. Biology – A Textbook For Class XI 2. Comprehensive Laboratory Manual in Biology - XI	N.C.E.R.T. Laxmi Publications (P) Ltd	Under Print 235.00	
6	<b>Computer Science</b> Computer Science with C++ -XI by Sumita Arora	Dhanpat Rai & Co.	375.00	
7	<b>Business Studies</b> Business Studies for XI	N.C.E.R.T.	115.00	12.00
8	<b>Accountancy</b> Double Entry Book Keeping - XI by T. S. Grewal	Sultan Chand	Under Print	
9	<b>Economics</b> 1. Statistics for Economics by N.M. Shah 2. Indian Economic Development by Dr. Deepashree	Arya Publications Saraswati Publications	Under Print	
10	<b>History</b> Themes in World History -Textbook in History For Class XI	N.C.E.R.T.	160.00	12.00
11	<b>Political Science</b> 1. Political Theory – Class XI 2. Indian Constitution at work Class XI	N.C.E.R.T. N.C.E.R.T.	Under Print	
12	<b>Psychology</b> Psychology – Textbook for Class XI	N.C.E.R.T.	Under Print	
13	<b>Applied Art (052)</b> History of Indian Art – Class XI by Devender Kumari	One Source Publications	140.00	
14	<b>Physical Education</b> Textbook of Physical Education – XI	Saraswati House (P) Ltd.	Under Print	
			<b>TOTAL</b>	<b>2189.00</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 - 150 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) CARTRIDGE SHEETS (HALF IMPERIAL) POSTER COLOUR SET (CAMLIN)	1 PKT 1 PKT 1	100.00 100.00 170.00
7	<b>ASSIGNMENT (UT)</b>	FILE SHEETS	1 PKT	15.00
8	<b>LABELS (OPTIONAL)</b>			30
9	<b>COVERS FOR NOTEBOOKS (OPTIONAL)</b>			110
10	<b>CARRY BAG (2 NOS.) OPTIONAL</b>			16
<b>TOTAL</b>				<b>1051.00</b>

**SYLLABUS FOR THE YEAR 2017 - 2018**

**MONTH : APRIL**

S. NO.	SUBJECTS	TOPIC/ CHAPTER
1.	<b>ENGLISH</b>	<b>Course Book:</b> 1. A Photograph - Shirley Toulson (Poem), 2. The Portrait of a Lady - Khushwant Singh <b>Writing Skills:</b> 1. Notice (Event, Information) <b>Grammar:</b> 1. Determiners <b>Long Reading Text:</b> The Canterville Ghost (Chapters 1 to 4 taken up from April to August)
2.	<b>MATHS</b>	Ch 3 – Trigonometric Functions
3.	<b>CHEMISTRY</b>	Chapter-1 Some basic Concepts of Chemistry Chapter-2 Structure of Atom
4.	<b>PHYSICS</b>	Unit 1: Physical World and measurement
5.	<b>BIOLOGY</b>	Digestion and absorption; Breathing and exchange of gases
6.	<b>HISTORY</b>	Theme 1- From the beginning of Time Theme 2- Writing and city life
7.	<b>ECONOMICS</b>	Development policies and experience 1947-1990 Ch-1 Indian Economy on the eve of independence Ch-2 Indian Economy 1950-1990 Statistics Unit-1 Introduction
8.	<b>POLITICAL SCIENCE</b>	1. Constitution - Why and How?(B1) 2. Rights in the Indian Constitution (B1) 3. Elections and Representation (B1).
9.	<b>ACCOUNTANCY</b>	Unit 1- Introduction of accounting Process and terms, and terms, Vouchers and accounting equations. Unit 2- Theory base accounting, Accounting Principles and standards
10.	<b>BUSINESS STUDIES</b>	Unit-1 Nature and Purpose of Business
11.	<b>PSYCHOLOGY</b>	1. Introduction to Psychology 2. Methods of Psychology
12.	<b>PHYSICAL EDUCATION</b>	Part 1-Theory Unit-2: Physical, Fitness, wellness, And lifestyle Unit 1: Changing trends and career in Physical Education. Part-2: Practical: Activity for medicine ball and skipping rope
13.	<b>COMPUTER SCIENCE</b>	L-1 Computer Overview L-2 Working with OS
14.	<b>APPLIED ART</b>	L-1 Object study basic (Practical) L-2 Introduction to pre historic art in Indian (Theory)

**MONTH : MAY**

S. NO.	SUBJECTS	TOPIC/ CHAPTER
1.	<b>ENGLISH</b>	Course Book: 2.The Portrait of a Lady - Khushwant Singh (Contd.) Writing Skills: 2.Factual Description: (i) People, (ii) Places,(iii) Processes3.Official Letter on school issues Comprehension: 1. Note making Grammar: 2. Verb Forms Long Reading Text: The Canterville Ghost (Chapters 1 to 4 taken up from April to August) Holiday Homework: Read a novel: Presentation on the author and novel, 2. Film review
2.	<b>MATHS</b>	Ch - 1: Sets Ch 2: Relations and Functions
3.	<b>CHEMISTRY</b>	Chapter-3 Classification of Elements and Periodicity in properties Chapter-14 Environmental Chemistry.
4.	<b>PHYSICS</b>	Unit 2: Kinematics Unit 3: Law of motion.
5.	<b>BIOLOGY</b>	Body fluids and circulation; Excretory products and their elimination
6.	<b>HISTORY</b>	Theme 3- An Empire across three Continents
7.	<b>ECONOMICS</b>	Economic Reforms since 1991 Ch-3 Liberalisation, Privatisation and Globalisation-An Appraisal Statistics Unit-2 Collection and Organisation of data ch-3 &4
8.	<b>POLITICAL SCIENCE</b>	4. Executive (B1) 5. Legislature (B1) 6. Judiciary(B1)
9.	<b>ACCOUNTANCY</b>	Unit-3: Recording of business transactions.
10.	<b>BUSINESS STUDIES</b>	UNIT-2 Forms of Business Organisation
11.	<b>PSYCHOLOGY</b>	Practical - Introduction to Experimental Psychology 3. The Bases of Human Behaviour
12.	<b>PHYSICAL EDUCATION</b>	Part 1-Theory Unit-3: Olympic Movement. Part-2: Practical: Latest record Indian , World and Olympic level
13.	<b>COMPUTER SCIENCE</b>	L-3 Data representation L-4 Input, output and memory devices.
14.	<b>APPLIED ART</b>	L-3 Still life study L-4 Art of Indus valley

**MONTH : JULY**

S. NO.	SUBJECTS	TOPIC/ CHAPTER
1.	<b>ENGLISH</b>	<b>Course Book:3.</b> Discovering King Tut: The Saga Continues - A.R. Williams <b>Supplementary Reader: 1.</b> Albert Einstein at School- Patrick Pringle <b>Writing Skills: 2.</b> Factual Description: (iv) Newspaper Report, (v) Magazine Report (Events, Incidents)3.Letter Placing Order <b>Comprehension : 1.</b> Note- Making, <b>2.</b> Summary Writing <b>Oral Activity: 1.</b> Film Review <b>Long Reading Text:</b> The Canterville Ghost (Chapters 1 to 4 taken up from April to August
2.	<b>MATHS</b>	Ch - 4: Principle of Mathematical Induction Ch - 5: Complex Numbers and Quadratic Equations Ch - 6: Linear Inequalities
3.	<b>CHEMISTRY</b>	Chapter-4 Chemical bonding and molecular structure Chapter-5 States of matter
4.	<b>PHYSICS</b>	Unit 4: Work, power and energy Unit 6: Gravitation
5.	<b>BIOLOGY</b>	Locomotion and movement; Neural control and coordination
6.	<b>HISTORY</b>	Theme 4- Central Islamic lands Theme 5- Nomadic Empires
7.	<b>ECONOMICS</b>	Current Challenges facing Indian Economy- Ch-4 Problem of Poverty in India Ch-5 Human Capital formation; Statistics- Presentation of Data Ch-5,6 &7
8.	<b>POLITICAL SCIENCE</b>	1. Political Theory (B2) 2. Freedom (B2) 3. Equality (B2) 4.Social Justice(B2)
9.	<b>ACCOUNTANCY</b>	Unit 4- Preparation of ledgers, Trial balance, Bank reconciliation statement.
10.	<b>BUSINESS STUDIES</b>	Unit-3 Private, Public and Global Enterprises. Unit-4 Business Services
11.	<b>PSYCHOLOGY</b>	Practical- One Psychology Experiment 4. Human Development
12.	<b>PHYSICAL EDUCATION</b>	Part 1-Theory Unit-4: Yoga Unit 5:Doping Part-2: Practical: Activity for Basket ball and Judo (Records and dimensions skills and terms)
13.	<b>COMPUTER SCIENCE</b>	L-5 General Oop concepts. L-6 Getting Started with C++ L-7 Data Handling
14.	<b>APPLIED ART</b>	L-5 Nature study L-6 Rock Paintings in India

**MONTH : AUGUST**

<b>S. NO.</b>	<b>SUBJECTS</b>	<b>TOPIC/ CHAPTER</b>
1.	<b>ENGLISH</b>	Course Book:4. Browning Version - Terence Rattigan (Play), 5. The Voice of the Rain - Walt Whitman (Poem) Grammar:3. Modals Writing Skills:2. Factual Description (Contd.) Long Reading Text: The Canterville Ghost (Chapters 1 to 4 taken up from April to August) ASL in August/September
2.	<b>MATHS</b>	Ch - 7: Permutations and Combinations Ch - 8: Binomial Theorem Ch - 9: Sequences and Series
3.	<b>CHEMISTRY</b>	Chapter-6 Thermodynamics Chapter-7 Equilibrium(Chemical)
4.	<b>PHYSICS</b>	Unit 5 : Motion of system of particles and rigid body
5.	<b>BIOLOGY</b>	Chemical control and integration; Mineral Nutrition; Transport in plants
6.	<b>HISTORY</b>	Theme – 6 : The Three Orders Theme 7- Changing Cultural Traditions
7.	<b>ECONOMICS</b>	Ch-6 Rural Development Ch-7 Employment
8.	<b>POLITICAL SCIENCE</b>	5. Rights (B2) 6. Citizenship (B2)
9.	<b>ACCOUNTANCY</b>	Unit 5- Financial statements of sole proprietorship (without adjustments)
10.	<b>BUSINESS STUDIES</b>	UNIT-5 Emerging Modes of Business UNIT-6 Social Responsibility of Business and Business Ethics
11.	<b>PSYCHOLOGY</b>	5. Sensory and Perceptual Processes
12.	<b>PHYSICAL EDUCATION</b>	Part 1-Theory Unit-6: Physical Activity Environment Part-2: Practical: Activities for Swimming and table tennis (Records and dimensions skills and terms) Revision for Half Yearly exams
13.	<b>COMPUTER SCIENCE</b>	L-9 C++ as per latest C++ 11 Standard L-10 Flow of control L-8 Operator & Expression in C++
14	<b>APPLIED ART</b>	L-7 Composition work L-8 Buddhist and Jain Art

**MONTH: SEPTEMBER – REVISION & HALF YEARLY EXAMINATION****MONTH : OCTOBER**

<b>S. NO.</b>	<b>SUBJECTS</b>	<b>TOPIC/ CHAPTER</b>
1.	<b>ENGLISH</b>	<b>Course Book: 6..We Are Not Afraid To Die.....Gordon Cook &amp; Alan East. Supplementary Reader: 2.The Address - Marga Minco (Short Story)</b> <b>Writing Skills:4. Letter of Complaint/ Reply</b> <b>Long Reading Text: The Canterville Ghost (Chapters 5 to 7 taken up from October to January)</b>
2.	<b>MATHS</b>	Ch- 10: Straight Lines Ch - 11: Conic Section
3.	<b>CHEMISTRY</b>	Chapter-7 Equilibrium (Ionic) Chapter-12 Organic Chemistry- Some Basic Principles and Techniques
4.	<b>PHYSICS</b>	Unit 7: Properties of Bulk Matter
5.	<b>BIOLOGY</b>	Photosynthesis; Respiration Plant growth and development; Biomolecules
6.	<b>HISTORY</b>	Theme 8- Confrontation of Cultures and Theme 9- The Industrial Revolution
7.	<b>ECONOMICS</b>	Ch-9 Inflation ; Statistics Unit-3 Statistical tools and interpretations ch-8,9 and 10
8.	<b>POLITICAL SCIENCE</b>	7. Federalism (B1) 8. Local Government (B1) 9.Constitution as a Living Document (B1)
9.	<b>ACCOUNTANCY</b>	Unit 6- Financial Statements of sole proprietorship (with adjustments). Unit 7- Rectification of errors. Unit 8- Accounting for Bills of exchange.
10.	<b>BUSINESS STUDIES</b>	Unit-8 : Small Business
11.	<b>PSYCHOLOGY</b>	6. Learning 7. Human Memory
12.	<b>PHYSICAL EDUCATION</b>	Part 1-Theory Unit-7: Test and Measurement in sports. Part-2: Practical: Activity for taekwondo and tennis (Records and dimensions skills and terms)
13.	<b>COMPUTER SCIENCE</b>	L-11 Functions
14	<b>APPLIED ART</b>	L-9 Still life in colour, colour wheel L-10 Hindu art and sculpture



**MONTH : NOVEMBER**

<b>S. NO.</b>	<b>SUBJECTS</b>	<b>TOPIC/ CHAPTER</b>
1.	<b>ENGLISH</b>	Course Book: 6. We Are Not Afraid To Die... (Contd.)Gordon Cook & Alan East. 7. Childhood- Markus Natten (Poem) Supplementary Reader:3. Birth - A.J. Cronin (Short Story) Writing Skills:5. Letter of Enquiry/ Reply Grammar: 4. Clauses (Noun Clauses) Long Reading Text: The Canterville Ghost (Chapters 5 to 7 taken up from October to January)
2.	<b>MATHS</b>	Ch – 12: Introduction to Three – Dimensional Geometry Ch – 13: Limits and Derivatives Ch – 14: Mathematical Reasoning
3.	<b>CHEMISTRY</b>	Chapter-12 Organic chemistry some basic concepts Chapter-13 Hydrocarbons
4.	<b>PHYSICS</b>	Unit 8: Thermodynamics
5.	<b>BIOLOGY</b>	Cell: Unit of life; Cell cycle Animal Tissues
6.	<b>HISTORY</b>	Theme 10- Displacing Indigenous cultures
7.	<b>ECONOMICS</b>	Ch-9 Infrastructure statistics Ch-11 Correlation
8.	<b>POLITICAL SCIENCE</b>	10.Philosophy of the Constitution (B1) 7. Nationalism (B2) 8. Secularism (B2)
9.	<b>ACCOUNTANCY</b>	Unit 9- Financial Statements of not for profit organization. Unit 10- Depreciation, Provisions and Reserves.
10.	<b>BUSINESS STUDIES</b>	UNIT-7 : Sources of Business Finance UNIT-9 : Internal Trade
12.	<b>PHYSICAL EDUCATION</b>	Unit 8: Fundamentals of Anatomy and Physiology. Unit 9: Biomechanics and Sports
11.	<b>PSYCHOLOGY</b>	8. Language and Thought
13.	<b>COMPUTER SCIENCE</b>	L-13 Structures L-12 Array
14	<b>APPLIED ART</b>	L – 11 : Book cover with English Calligraphy L – 12 : Bronze Art

**MONTH : DECEMBER**

<b>S. NO.</b>	<b>SUBJECTS</b>	<b>TOPIC/ CHAPTER</b>
1.	<b>ENGLISH</b>	Course Book: 8. Father To Son – Elizabeth Jennings (Poem) Writing Skills:6.Job Application Grammar: 4. Clauses : Adjective Clause Long Reading Text: The Canterville Ghost (Chapters 5 to 7 taken up from October to January) Holiday Homework: Read the book selected for the Reading Project. Prepare a film/PPT/Comic Strip etc. based on the book
2.	<b>MATHS</b>	Ch- 15: Statistics Ch - 16: Probability
3.	<b>CHEMISTRY</b>	Chapter-8 Redox Reactions Chapter-9 Hydrogen
4.	<b>PHYSICS</b>	Unit 9: Behaviour of perfect gas and kinetic theory of gases.
5.	<b>BIOLOGY</b>	Morphology of flowering plants; Anatomy of flowering plants
6.	<b>HISTORY</b>	Theme 11- Paths to Modernization
7.	<b>ECONOMICS</b>	Ch10: Environment and Sustainable Development STASTICS Ch12: Introduction to Index Numbers
8.	<b>POLITICAL SCIENCE</b>	9. Peace (B2) 10. Development(B2)
9.	<b>ACCOUNTANCY</b>	Unit 11- Account from incomplete records
10.	<b>BUSINESS STUDIES</b>	UNIT-10 International Business/Trade
11.	<b>PSYCHOLOGY</b>	Practical - One Psychology Experiment
12.	<b>PHYSICAL EDUCATION</b>	Part 1-Theory Unit-10: Psychology and sports Part-2: Practical: Mention CBSE Sports
13.	<b>COMPUTER SCIENCE</b>	L-14 Programming Methodology L-13 Structures Contd. Project guidelines to be discussed
14	<b>APPLIED ART</b>	L-13 Hindi Devnagari Calligraphy L-14 Art of Indo Islamic Culture

**MONTH : JANUARY**

<b>S. NO.</b>	<b>SUBJECTS</b>	<b>TOPIC/ CHAPTER</b>
1.	<b>ENGLISH</b>	Grammar: 4. Clauses: Adverbial Clauses Writing Skill:7.Display Advertisement 8.Poster Long Reading Text: The Canterville Ghost (Chapters 5 to 7 taken up from October to January)  ASL
2.	<b>MATHS</b>	REVISION
3.	<b>CHEMISTRY</b>	Chapter-10 s- Block Elements Chapter-11 p-Block Elements Final Assessment/Summative Assessment II
4.	<b>PHYSICS</b>	Unit 10: Oscillations and waves Revision
5.	<b>BIOLOGY</b>	Plant Classification; Animal Classification; Biological Classification
6.	<b>HISTORY</b>	Revision for the final exams
7.	<b>ECONOMICS</b>	Ch 11:Comparative development Experience of India with its Neighbors.
8.	<b>POLITICAL SCIENCE</b>	Revision for Final Term Examination Final Assessment/Summative Assessment II
9.	<b>ACCOUNTANCY</b>	Computer accounting, Tally. Final Assessment/Summative Assessment II
10.	<b>BUSINESS STUDIES</b>	Final Assessment/Summative Assessment II
11.	<b>PSYCHOLOGY</b>	9. Motivation and Emotion Revision for Final Assessment
12.	<b>PHYSICAL EDUCATION</b>	Part 1-Theory Unit-11: Training in sports. Part-2: Practical: Activity for all above games(Records and dimensions skills and terms) Revision for Annual exams
13.	<b>COMPUTER SCIENCE</b>	Project in C++ with project file Revision for final exams
14	<b>APPLIED ART</b>	Practical mock test Revision for theory

**MONTH: FEBRUARY – REVISION & FINAL EXAMINATION**