

# Somerville School

Vasundhara Enclave, Delhi – 110 096



## Syllabus for Class X 2018 – 2019

**STATIONERY LIST (2018 - 2019)**

<b>SL. NO.</b>	<b>SUBJECT</b>	<b>ITEM</b>	<b>REQUIRED NO.</b>	<b>RATE</b>
1	ENGLISH	100 PAGES SINGLE LINED NOTEBOOKS A-4 SIZE	2	35.00
2	HINDI	100 PAGES SINGLE LINED NOTEBOOKS A-4 SIZE	2	35.00
3	SANSKRIT	100 PAGES SINGLE LINED NOTEBOOKS A-4 SIZE	1	35.00
4	MATHEMATICS	100 PAGES SINGLE LINED NOTEBOOKS A-4 SIZE	3	35.00
		NOTEBOOKS INTERLEAVED WITH SPIRAL BINDING & GRAPH (10 SHEETS) AT THE END	1	80.00
5	SCIENCE	BIOLOGY - 100 PAGES INTER LEAVED NOTEBOOKS A-4 SIZE	1	35.00
		PHYSICS - 100 PAGES SINGLE LINED NOTEBOOKS A-4 SIZE	1	35.00
		CHEMISTRY- 100 PAGES SINGLE LINED NOTEBOOKS A-4 SIZE	1	35.00
6	SOCIAL SCIENCE	100 PAGES SINGLE LINED NOTEBOOKS A-4 SIZE	3	35.00
7	FOUNDATION INFORMATION TECHNOLOGY	100 PAGES SINGLE LINED NOTEBOOKS A-4 SIZE	1	35.00
	INFORMATION TECHNOLOGY (SP. STUDENTS)	100 PAGES SINGLE LINED NOTEBOOKS A-4 SIZE	1	35.00
8	PRACTICAL NOTE BOOK FOR SCIENCE	PHYSICS, CHEMISTRY & BIOLOGY ITC'S CLASSMATE - 270 PAGES + 3 INDEX PAGES	1 BOOK ONLY	90.00
9	UNIT TEST FILE SHEETS	RULED SHEETS (A 4)	1 PKT	20.00
10	LABELS (OPTIONAL)			30.00
11	COVERS FOR NOTEBOOKS (OPTIONAL)			110.00
12	CARRY BAGS (2 NOS.) OPTIONAL		2	8.00

**SYLLABUS FOR THE YEAR 2018 - 2019**

**MONTH : MARCH**

S.NO.	SUBJECTS	TOPIC / CHAPTER
1.	ENGLISH	<b>LITERATURE:</b> 1. Two Gentlemen of Verona (Prose) 2. The Frog and the Nightingale (Poem) <b>MCB:</b> Health and Medicine <b>GRAMMAR:</b> 1. Determiners 2. Tenses <b>WRITING SKILLS:</b> 1. Informal Letter 2. E-mail writing <b>RAPID READER :</b> Chapter 1&2
2.	MATHS	<b>Chapter 3 :</b> Pair of Linear Equation in Two Variables <b>Chapter 2 :</b> Polynomial
3.	PHYSICS	<b>Chapter 12 :</b> Electricity <b>Practical :</b> To study the dependence of potential difference (V) across a resistor on the current (I) passing through it and determine its resistance. Also plot a graph between V & I. To determine the equivalent resistance of two resistors when connected in series.
4.	CHEMISTRY	<b>Chapter 1 :</b> Chemical Reactions and Equations <b>Practical :</b> Types of Chemical Reactions
5.	BIOLOGY	<b>Chapter 6 :</b> Life Processes (Nutrition, Respiration, Transportation) <b>Practical :</b> Preparation of temporary mount of a leaf peel.
6.	HISTORY	<b>Chapter 6 :</b> Work, Life and Leisure
7.	POLITICAL SCIENCE	<b>Chapter 1:</b> Power Sharing
8.	GEOGRAPHY	<b>Chapter 1 :</b> Resources and Development <b>Chapter 3 :</b> Water Resources
9.	ECONOMICS	<b>Chapter 1:</b> Development
10.	FIT	<b>Chapter 6 :</b> HTML Basics <b>Chapter 7 :</b> HTML Text
11.	IT	<b>Unit1 :</b> Functional English (Intermediate) <b>Unit 3 :</b> Word Processing (Intermediate)
12.	HINDI	स्पर्श - पाठ - डायरी का एक पन्ना, कविता - पद - मीरा व्याकरण - शब्द, पद उदाहरण सहित परिभाषा व अंतर, संवाद लेखन
13.	SANSKRIT	<b>पाठ १</b> वाङ्मयं तपः <b>पाठ २</b> आज्ञा गुरुणां हि अविचारणीया अपठित अनुच्छेद , पत्रलेखनं सन्धि - स्वर (दीर्घ, गुण, वृद्धि), व्यञ्जन (परसवर्ण, छत्व, तुकागम, मोऽनुस्वारः) विसर्ग (उत्वं, रत्वं)

**MONTH : APRIL**

S.NO.	SUBJECTS	TOPIC/ CHAPTER
1.	ENGLISH	<p><b>LITERATURE:</b>            1.Mrs. Packeltide’s Tiger (Prose)            2.Nor Marble, Nor the Gilded Monuments(Poem)  <b>MCB:</b> Health and Medicine(contd.)  <b>WRITING SKILLS:</b>            1. Message Writing            2. Notice writing  <b>GRAMMAR:</b>            1. Subject- Verb Agreement            2. Non- finites  <b>RAPID READER :</b> Chapter 3</p>
2.	MATHS	<p><b>Chapter 01 :</b> Real Numbers  <b>Chapter 10 :</b> Circles  <b>Chapter 15 :</b> Probability</p>
3.	PHYSICS	<p><b>Chapter 12 :</b> Electricity (Contd.)  <b>Chapter 13 :</b> Magnetic Effect of Current  <b>Practical:</b> To determine the equivalent resistance of two resistors when connected in series.            To determine the equivalent resistance of two resistors when connected in parallel.</p>
4.	CHEMISTRY	<p><b>Chapter 1 :</b> Chemical Reactions and Equations (Contd.)  <b>Chapter 2 :</b> Acids, Bases and Salts.  <b>Practical:</b> Types of Chemical Reactions</p>
5.	BIOLOGY	<p><b>Chapter 6 :</b> Life Processes- continued- (-Excretion )  <b>Chapter 7 :</b> Control and Co- ordination.  <b>Practical:</b> Preparation of temporary mount of a leaf peel.</p>
6.	HISTORY	<b>Chapter 3 :</b> Nationalism in India
7.	POLITICAL SCIENCE	<b>Chapter 2 :</b> Federalism
8.	GEOGRAPHY	<p><b>Chapter 3 :</b> Water Resources  <b>Chapter 4 :</b> Agriculture</p>
9.	ECONOMICS	<b>Chapter 2 :</b> Sectors of Indian Economy
10	FIT	<p><b>Chapter 7 :</b> HTML Text (contd.)  <b>Chapter 3 :</b> Introduction to Databases</p>
11.	IT	<b>Unit 3 :</b> Word Processing (Intermediate) contd.
12.	HINDI	<p>स्पर्श - पाठ - बड़े भाई साहब, कविता - साखी (कबीरदास)            संचयन - पाठ - हरिहर काका            व्याकरण - समास, रचना व अर्थ के आधार पर वाक्य भेद व रूपांतरण</p>
13.	SANSKRIT	<p><b>पाठ ३</b> किं किम् उपादेयम्            अव्ययपदानि – अपि, इव, उच्चैः, एव, नूनम्, अत्र - तत्र, इदानीम्, यथा तथा,            विना, सहसा, अधुना, वृथा, शनै, इति, कदा, कुतः, मा, यत्, यत्र - तत्र, कुत्र,            सम्प्रति, यदा - कदा, यावत्, श्वः, ह्यः, बहिः, कदापि, किमर्थम्              समास- तत्पुरुष (विभक्ति, नञ, उपपद),कर्मधारय, द्विगु</p>

**MONTH : MAY**

S.NO.	SUBJECTS	TOPIC/ CHAPTER
1.	ENGLISH	<b>LITERATURE:</b> 1.Ozymandias (Poem) 2.Dear Departed (Drama) <b>MCB:</b> Education <b>GRAMMAR:</b> 2.Connectors 3 Conditionals <b>WRITING SKILLS:</b> 1.Formal letter 2.Diary Entry <b>RAPID READER :</b> Chapter 4
2.	MATHS	<b>Chapter 6 :</b> Triangles
3.	PHYSICS	<b>Chapter 13 :</b> Magnetic Effect of Current (Contd.) <b>Practical :</b> To determine the equivalent resistance of two resistors when connected in parallel
4.	CHEMISTRY	<b>Chapter 2 :</b> Acids, Bases and Salts(Contd.) <b>Practical :</b> Properties of acids and bases
5.	BIOLOGY	<b>Chapter 7 :</b> Control and co-ordination ( continued) <b>Chapter 15 :</b> Our Environment. <b>Practical :</b> Experiment to show that carbon dioxide is given out during respiration.
6.	HISTORY	<b>Chapter 2 :</b> Nationalist Movement in Indo-China
7.	POLITICAL SCIENCE	<b>Chapter 3 :</b> Democracy and Diversity
8.	GEOGRAPHY	<b>Chapter 4 :</b> Agriculture
9	ECONOMICS	<b>Chapter 2 :</b> Sectors of Indian Economy
10.	FIT	<b>Chapter 4 :</b> Tables in Design View
11.	IT	<b>Unit 2 :</b> Web Application (Basics)
12.	HINDI	स्पर्श - पाठ - ततौरा वामीरो कथा, कविता - पर्वत प्रदेश में पावस व्याकरण - विज्ञापन लेखन व निर्माण, सूचना लेखन
13.	SANSKRIT	पाठ ४ नास्ति त्यागसमं सुखम् प्रत्यय -तव्यत्,अनीयर् ,मतुप्,इनि ,ठक् चित्रवर्णन

**MONTH : JULY**

S.NO.	SUBJECTS	TOPIC/ CHAPTER
1.	ENGLISH	<b>LITERATURE:</b> <b>Chapter 1:</b> The Letter (Prose) <b>Chapter 2:</b> Rime of the Ancient Mariner (Poem) <b>MCB:</b> Science <b>GRAMMAR:</b> 1.Comparison 2. Nominalisation <b>WRITING SKILLS:</b> 1.Story Writing 2.Process description <b>RAPID READER : Chapter 5</b>
2.	MATHS	<b>Chapter 8 :</b> Introduction to Trigonometry <b>Chapter 9 :</b> Some application of Trigonometry
3.	PHYSICS	<b>Chapter 14 :</b> Sources of energy <b>Chapter 10 :</b> Light: reflection and refraction <b>Practical:</b> To determine the focal length of concave mirror and convex lens by obtaining the image of a distant object. To trace the path of a ray of light passing through a rectangular glass slab for different angles of incidence.
4.	CHEMISTRY	<b>Chapter 3 :</b> Metals and Nonmetals <b>Practical:</b> pH of Samples
5.	BIOLOGY	<b>Chapter 8 :</b> How do organisms reproduce? <b>Practical :</b> Binary fission and budding
6.	HISTORY	<b>Chapter 2 :</b> Nationalist Movement in Indo-China
7.	POLITICAL SCIENCE	<b>Chapter 4 :</b> Gender, Religion and Caste
8.	GEOGRAPHY	<b>Chapter 5 :</b> Minerals and Energy Resources
9.	ECONOMICS	<b>Chapter 3 :</b> Money and Credit
10.	FIT	<b>Chapter 1 :</b> Introduction to the Internet <b>Chapter 5 :</b> Queries, Forms and Reports
11.	IT	<b>Unit 4 :</b> Spreadsheet (Intermediate)
12.	HINDI	स्पर्श - पाठ - तीसरी कसम के शिल्पकार शैलेंद्र, कविता - तोप व्याकरण - समास, पत्र - लेखन - औपचारिक व अनौपचारिक, मुहावरे, अपठित काव्यांश
13.	SANSKRIT	<b>पाठ ५ अभ्यासवशगं मनः</b> वाच्यानुसारं परिवर्तनम् (लट् लकारे) समयलेखनम्, शब्दार्थ

**MONTH : AUGUST**

S.NO.	SUBJECTS	TOPIC/ CHAPTER
1.	ENGLISH	<b>LITERATURE:</b> <b>Chapter 1:</b> Shady Plot (Prose) <b>Chapter 2:</b> Patol Babu (Prose) <b>MCB:</b> Environment <b>GRAMMAR:</b> 1. Modals 2. Active and Passive <b>WRITING SKILLS:</b> 1. Formal Report Writing 2. Speech Writing <b>RAPID READER : Chapter 6</b> ASL- Speaking & Listening
2.	MATHS	<b>Chapter 4 :</b> Quadratic Equations <b>Chapter 14 :</b> Statistics
3.	PHYSICS	<b>Chapter 10 :</b> Light- Reflection and Refraction <b>Experiments:</b> To trace the path of the rays of light through a glass prism.
4.	CHEMISTRY	<b>Chapter 3 :</b> Metals and Nonmetals <b>Practical: Reactivity of Metals</b>
5.	BIOLOGY	<b>Chapter 16 :</b> Management of Natural Resources. <b>Practical :</b> Binary fission and budding
6.	HISTORY	<b>Chapter 8 :</b> Novels, Society and History
7.	POLITICAL SCIENCE	<b>Chapter 6 :</b> Political Parties
8.	GEOGRAPHY	<b>Chapter 6 :</b> Manufacturing Industries
9.	ECONOMICS	<b>Chapter 3 :</b> Money and Credit.
10.	FIT	<b>Chapter 2 :</b> Internet Services <b>Chapter 9 :</b> Inserting Images and Creating Tables in HTML
11.	IT	<b>Unit 6:</b> E -Mail Messaging (Intermediate)
12.	HINDI	स्पर्श - पाठ - गिरगिट, अब कहीं दूसरों के दुख से दुखी होने वाले कविता - दोहे (बिहारी) संचयन - पाठ - सपनों के से दिन व्याकरण - अपठित गद्यांश, अनुच्छेद लेखन, अशुद्ध वाक्यों का शोधन
13.	SANSKRIT	<b>पाठ ६ साधुवृत्तिं समाचरेत्</b> <b>पाठ ७ - रमणीया हि सृष्टि एषा</b> अभ्यासकार्यम् - अन्वयपूर्ति, प्रश्ननिर्माण, अपठित अनुच्छेद, पत्रलेखन, चित्रवर्णन

**MONTH : SEPTEMBER - Revision & Mid Term Examination**

MONTH : OCTOBER

S.NO.	SUBJECTS	TOPIC/ CHAPTER
1.	ENGLISH	<b>LITERATURE:</b> 1. Julius Caesar (Drama) <b>MCB:</b> Travel & Tourism <b>GRAMMAR:</b> 1. Relatives 2. Preposition <b>WRITING SKILLS:</b> 1. Article Writing 2. Poster Writing <b>RAPID READER :</b> Chapter 7 &8
2.	MATHS	<b>Chapter 5 :</b> Arithmetic Progression <b>Chapter 7 :</b> Co-ordinate Geometry
3.	PHYSICS	<b>Chapter 11:</b> Human Eye and the Colourful World <b>Practical:</b> To trace the parts of light through a glass prism (contd.) Ray diagram for a convex lens for different position of object
4.	CHEMISTRY	<b>L 4 :</b> Carbon and its compounds <b>Practical:</b> Properties of acetic acid
5.	BIOLOGY	<b>Chapter 9 :</b> Heredity and Evolution. <b>Practical:</b> Study of Dicot Embryo
6.	HISTORY	<b>L 8 :</b> Novels, Society and History
7.	POLITICAL SCIENCE	<b>L 7 :</b> Outcomes of Democracy
8.	GEOGRAPHY	<b>Chapter 6 :</b> Manufacturing Industries. <b>Chapter 7 :</b> Lifelines of National Economy
9.	ECONOMICS	<b>Chapter 4 :</b> Globalisation
10.	FIT	<b>Chapter 10 :</b> Links and Frames in HTML <b>Chapter 11:</b> XML
11.	IT	<b>Unit 5 :</b> Digital Presentation (Intermediate)
12.	HINDI	स्पर्श - पाठ - पतझर में टूटी पत्तियों कविता - मनुष्यता, आत्मत्राण व्याकरण - शब्द, पद - उदाहरणसहित परिभाषा व अंतर रचना व अर्थ के आधार पर वाक्य भेद व रूपांतरण, संवाद लेखन, विज्ञापन लेखन व निर्माण, मुहावरे
13.	SANSKRIT	<b>पाठ ८ तिरुक्कुरल् सूक्ति सौरभम्</b> <b>पाठ ९ राष्ट्रं संरक्ष्यमेव हि</b> <b>सन्धि</b> - स्वर (यण, अयादि, पूर्वरूप) व्यञ्जन (प्रथमाक्षराणां तृतीयाक्षरे पञ्चमाक्षरे च परिवर्तनम् ) <b>विसर्ग</b> (विसर्गस्य लोप, स, श, ष अक्षरे च परिवर्तनम् ) <b>अशुद्धि संशोधनम्</b> - (लिङ्ग, पुरुष, लकार)



**MONTH : NOVEMBER**

S.NO.	SUBJECTS	TOPIC/ CHAPTER
1.	ENGLISH	<b>LITERATURE:</b> 1. Virtually True (Prose) 2. Snake (Poem) <b>MCB:</b> Travel & Tourism(contd.) <b>GRAMMAR:</b> 1. Reported Speech <b>WRITING SKILLS:</b> 1. Bio-Sketch 2. Brochure Designing <b>RAPID READER :</b> Chapter 9 <b>ASL –</b> Speaking and Listening
2.	MATHS	<b>Chapter 12 :</b> Area Related to Circles <b>Chapter 13 :</b> Surface Area and Volume
3.	PHYSICS	<b>Chapter 11:</b> Human Eye and the Colourful World(Contd.) Revision
4.	CHEMISTRY	<b>Chapter 5 :</b> Periodic Classification of Elements Practical: Foaming capacity of soap in hard and soft water
5.	BIOLOGY	<b>Chapter 9 :</b> Heredity and Evolution (continued). <b>Practical:</b> Study of Dicot Embryo
6.	HISTORY	Revision
7.	POLITICAL SCIENCE	<b>Chapter 8 :</b> Challenges to Democracy
8.	GEOGRAPHY	<b>Chapter 7 :</b> Lifelines of National Economy.
9.	ECONOMICS	<b>Chapter 5 :</b> Consumer Rights
10.	FIT	<b>Chapter 12 :</b> Societal Impact of Information Technology
11.	IT	<b>Unit 7 :</b> Data base development (Basics)
12.	HINDI	स्पर्श - पाठ - कारतूस कविता-मधुर मधुर मेरे दीपक जल, कर चले हम फिदा संचयन - पाठ - टोपी शुक्ला व्याकरण - पत्र - लेखन - औपचारिक व अनौपचारिक, सूचना लेखन, अपठित काव्यांश, अपठित गद्यांश, अनुच्छेद लेखन
13.	SANSKRIT	<b>पाठ १०</b> सुस्वागतं भो! अरुणाचलेऽस्मिन् <b>पाठ ११</b> कालोऽहम् <b>समास</b> – द्वन्द्व, बहुव्रीहि, अव्ययीभाव (अनु, उप, सह, निर, प्रति, यथा) <b>प्रत्यय</b> – शतृ, शानच्, त्व, तल्, टाप्, डीप्

**MONTH : DECEMBER**

S.NO.	SUBJECTS	TOPIC/ CHAPTER
1.	ENGLISH	Revision
2.	MATHS	<b>Chapter 11:</b> Constructions
3.	PHYSICS	Revision
4.	CHEMISTRY	Revision
5.	BIOLOGY	Revision
6.	HISTORY	Revision
7.	POLITICAL SCIENCE	Revision
8.	GEOGRAPHY	Revision
9.	ECONOMICS	Revision
10.	FIT	Revision
11.	IT	Revision
12.	HINDI	पुनरावृत्ति
13.	SANSKRIT	अभ्यासकार्यम् - अन्वयपूर्ति, प्रश्ननिर्माण, अपठित अनुच्छेद, पत्रलेखनं, चित्रवर्णन, सम्पूर्ण पाठ्यक्रम की लिखित एवं मौखिक पुनरावृत्ति

**MONTH : JANUARY**

<b>S.NO.</b>	<b>SUBJECTS</b>	<b>TOPIC/ CHAPTER</b>
1.	ENGLISH	Revision / Pre-Board Examination
2.	MATHS	Revision / Pre-Board Examination
3.	PHYSICS	Revision / Pre-Board Examination
4.	CHEMISTRY	Revision / Pre-Board Examination
5.	BIOLOGY	Revision / Pre-Board Examination
6.	HISTORY	Revision / Pre-Board Examination
7.	POLITICAL SCIENCE	Revision / Pre-Board Examination
8.	GEOGRAPHY	Revision / Pre-Board Examination
9.	ECONOMICS	Revision / Pre-Board Examination
10.	FIT	Revision / Pre-Board Examination
11.	IT	Revision / Pre-Board Examination
12.	HINDI	पुनरावृत्ति
13.	SANSKRIT	Revision / Pre-Board Examination

**MONTH : FEBRUARY**

<b>S.NO.</b>	<b>SUBJECTS</b>	<b>TOPIC/ CHAPTER</b>
1.	ENGLISH	Revision / Preparatory Leaves
2.	MATHS	Revision / Preparatory Leaves
3.	PHYSICS	Revision / Preparatory Leaves
4.	CHEMISTRY	Revision / Preparatory Leaves
5.	BIOLOGY	Revision / Preparatory Leaves
6.	HISTORY	Revision / Preparatory Leaves
7.	POLITICAL SCIENCE	Revision / Preparatory Leaves
8.	GEOGRAPHY	Revision / Preparatory Leaves
9.	ECONOMICS	Revision / Preparatory Leaves
10.	FIT / IT	Revision / Preparatory Leaves
11.	HINDI	पुनरावृत्ति
12.	SANSKRIT	पुनरावृत्ति