

# Somerville School

Vasundhara Enclave, Delhi – 110 096



## Syllabus for Class IX

**2023 – 2024**

**SOMERVILLE SCHOOL, VASUNDHARA ENCLAVE, DELHI – 110096**

**CLASS – IX**

**BOOK LIST : 2023-2024**

SL. NO.	NAME	PUBLISHER	RATE
<b>1</b>	<b>ENGLISH COMMUNICATIVE (101) INTERACT IN ENGLISH SERIES (REVISED EDITION)</b>		
	1. INTERACT IN ENGLISH-MAIN COURSE BOOK (REVISED EDITION)	NCERT	180/-
	2. INTERACT IN ENGLISH LITERATURE READER (REVISED EDITION)	NCERT	150/-
	3. INTERACT IN ENGLISH WORKBOOK (REVISED EDITION)	NCERT	150/-
<b>2</b>	<b>HINDI COURSE B (085)</b>		
	1. SPARSH – PART I – TEXTBOOK FOR CLASS IX (HINDI B)	NCERT	50/-
	2. SANCHAYAN – PART I – POORAK PATHYA PUSTAK (HINDI B)	NCERT	30/-
	3.VYAKARAN DARSHIKA	NEW SARASWATI HOUSE	550/-
<b>3</b>	<b>SANSKRIT COMMUNICATIVE (119) REVISED TEXTBOOKS</b>		
	1. MANIKA – PART1	NCERT	UP
	2. MANIKA-ABHYASPUSTAKAM – PART 1	NCERT	UP
<b>4</b>	<b>MATHEMATICS (041)</b>		
	1. MATHEMATICS – TEXTBOOK FOR CLASS IX	NCERT	155/-
<b>5</b>	<b>SCIENCE (086)</b>		
	1. TEXTBOOK OF SCIENCE FOR CLASS IX	NCERT	150/-
	2. SCIENCE LAB MANUAL IX	NCERT	160/-
<b>6</b>	<b>SOCIAL SCIENCE (087)</b>		
	1. INDIA AND THE CONTEMPORARY WORLD – I FOR CLASS IX	NCERT	115/-
	2. CONTEMPORARY INDIA I TEXTBOOK IN GEOGRAPHY FOR CLASS IX	NCERT	65/-
	3. DEMOCRATIC POLITICS – I TEXTBOOK IN POLITICAL SCIENCE FOR CLASS IX	NCERT	80/-
	4. ECONOMICS TEXTBOOK FOR CLASS IX	NCERT	60/-
<b>7</b>	<b>COMPUTER SCIENCE (ONE OF 2 OPTIONS)</b>		
	1. ARTIFICIAL INTELLIGENCE (417) A TEXTBOOK OF ARTIFICIAL INTELLIGENCE FOR CLASS IX	GOYAL BROS. PRAKASHAN	415/-
	2. INFORMATION TECHNOLOGY (402)	NCERT	UP

**STATIONERY LIST : 2023 – 2024**

SL. NO.	ITEM	REQ. NO.	RATE
1	100 PAGES SINGLE LINED NOTEBOOK A-4 SIZE	09	50/-
2	INTERLEAVED LAB ACTIVITY FILE WITH 10 GRAPH SHEETS	01	70/-
3	PRACTICAL NOTEBOOK FOR SCIENCE	01	100/-
4	TEST NOTEBOOKs	09	23/-

**SYLLABUS FOR THE YEAR 2023 – 2024**

**MONTH : APRIL**

S. NO.	SUBJECTS	TOPIC / CHAPTER
1	ENGLISH	<b>LITERATURE READER</b> F1. How I Taught My Grandmother to Read P1. The Brook <b>GRAMMAR</b> Tenses Subject – verb concord <b>WRITING SKILLS</b> Informal Letter <b>MAIN COURSE BOOK</b> Unit 1 : People A. An Exemplary Leader <b>WORKBOOK</b> Unit 1 : Verb Forms
2	MATHS	Ch : 1 Number System Ch : 2 Polynomials
3	PHYSICS	L – 8 : Motion
4.	CHEMISTRY	L – 1 : Matter in our Surroundings <b>Practical</b> : To prepare true solution, colloid and suspension and distinguish these on the basis of: A) Transparency B) Filtration C) Stability
5.	BIOLOGY	Chapter 5 : The Fundamental Unit of Life <b>Practical</b> : Preparation of stained temporary mount of onion peel & record observations and draw a labelled diagram.
6.	HISTORY	Lesson – 1 : The French Revolution
7.	POLITICAL SCIENCE	Lesson – 2 : What is Democracy? Why Democracy?
8.	GEOGRAPHY	Lesson – 1 : India Size and Location
	ECONOMICS	Lesson – 1 : The Story of Village Palampur (to be continued in the month of May)
10.	ARTIFICIAL INTELLIGENCE	Ch. – 1 : Introduction to Artificial Intelligence <b>Employability Skills (Part A)</b> Unit 1 : Communication Skills – I
11.	IT	Unit 1 : Introduction to IT-ITes industry <b>Employability Skills (Part A)</b> Unit 1 : Communication Skills – I

12.	HINDI	स्पर्श – पाठ – दुःख का अधिकार कविता – पद (रैदास) संचयन – पाठ – गिल्लू व्याकरण – शब्द और पद, अनुस्वार, अनुनासिक, अपठित गद्यांश
13.	SANSKRIT	पाठ – १ : अविवेकः परमापदां पदम् उच्चारणस्थान स्वर सन्धि - दीर्घ, गुण, वृद्धि, यण्, अयादि व्यञ्जन सन्धि - प्रथम वर्णस्य तृतीये वर्णे परिवर्तनम् (जश्त्व), म् स्थाने अनुस्वार अपठित अनुच्छेद, संवाद / कथापूर्ति

**MONTH : MAY**

S. NO.	SUBJECTS	TOPIC / CHAPTER
1.	ENGLISH	<b>LITERATURE READER</b> F2. A Dog Named Duke P2. The Road Not Taken <b>GRAMMAR</b> Reported Speech (Commands, Requests, Statements & Questions) <b>WRITING SKILLS</b> Paragraph Writing <b>MAIN COURSE BOOK</b> Unit 1. People B. A Burglary Attempt C. Can You Know People You Haven't Met <b>WORKBOOK</b> Unit 3 : Future Time Reference
2.	MATHS	Ch. : 2 Polynomials (contd.) Ch. : 3 Coordinate Geometry
3.	PHYSICS	L – 8 : Motion (contd.)
4.	CHEMISTRY	L – 1 : Matter in our Surroundings <b>Practical</b> : Compound and Mixture
5.	BIOLOGY	Chapter 5 : The Fundamental Unit of Life (Contd.) <b>Practical</b> : Preparation of stained temporary mounts of human cheek cells, record observations and draw a labelled diagram.
6.	HISTORY	Lesson – 2 : Socialism in Europe and the Russian Revolution
7.	POLITICAL SCIENCE	Lesson – 3 : Constitutional Design
8.	GEOGRAPHY	Lesson – 2 : Physical Features of India. (to be continued in the month of July)

9.	ECONOMICS	Lesson – 1 : The Story of Village Palampur (contd.)
10.	ARTIFICIAL INTELLIGENCE	Ch. – 2 : Applications and Future Trends of Artificial Intelligence. <b>Employability Skills (Part A)</b> Ch. – 2 : Self Management Skills
11.	IT	Unit 2 : Date Entry & Keyboarding Skills
12.	HINDI	स्पर्श – पाठ – दोहे (रहीम जी) व्याकरण – उपसर्ग, प्रत्यय, चित्र-वर्णन, अपठित गद्यांश, अनौपचारिक पत्र
13.	SANSKRIT	पाठ - २ : पाथेयम्, पाठ - ३ : विजयतां स्वदेशः प्रत्यय - क्त्वा, तुमुन्, ल्यप् धातुरूप (परस्मैपदी) - भू, नम्, गम्, अस्, प्रच्छ्, कृ, ज्ञा, पा, नी (आत्मनेपदी - पञ्च लकारेषु) पत्र (औपचारिक), चित्रवर्णन

#### MONTH : JULY

S. NO.	SUBJECTS	TOPIC / CHAPTER
1.	ENGLISH	<b>LITERATURE READER</b> F3. The Man Who Knew Too Much P3. The Solitary Reaper <b>GRAMMAR</b> Reported Speech (Commands and Requests, Statements & Questions) Editing or Omission Sentence reordering <b>WRITING SKILLS</b> Notice Writing <b>MAIN COURSE BOOK</b> Unit 2 : Adventure A. The Final Flight <b>WORKBOOK</b> Unit 7 : Reported Speech
2.	MATHS	Ch. 4 : Linear Equations in two variables Ch. 5 : Introduction to Euclid's Geometry Ch. 6 : Lines and Angles
3.	PHYSICS	L – 9 : Force and Laws of Motion <b>Practical</b> : To determine the density of solid (denser than water) by using a spring balance and a measuring cylinder.
4.	CHEMISTRY	L – 2 : Is Matter Around us Pure <b>Practical</b> : 1. Physical and Chemical changes. 2. Separation of components of a mixture of sand, common salt and ammonium chloride.

5.	BIOLOGY	Chapter 6: Tissues <b>Practical:</b> Identification of Parenchyma, Collenchyma and Sclerenchyma tissues in plants from prepared slides and draw their labelled diagrams.
6.	HISTORY	Lesson – 3 : Nazism and the Rise of Hitler
7.	POLITICAL SCIENCE	Lesson – 3 : Constitutional Design
8.	GEOGRAPHY	Chapter 2 : Physical Features of India. (contd.)
9.	ECONOMICS	Lesson 2 – People as a Resource (to be continued in the month of August)
10.	ARTIFICIAL INTELLIGENCE	Ch. – 3 : Artificial Intelligence Project Cycle Ch. – 4 : Program Design Aids
11.	IT	Unit 3 : Digital Documentation
12.	HINDI	स्पर्श – पाठ – एवरेस्ट: मेरी शिखर यात्रा संचयन – पाठ – स्मृति व्याकरण – स्वर संधि, विराम-चिह्न, अनुच्छेद-लेखन, अनौपचारिक पत्र
13.	SANSKRIT	पाठ - ४ : विद्यया भान्ति सद्गुणाः पाठ - ५ : कर्मणा याति संसिद्धिम् शब्दरूप - स्वरान्त पुल्लिङ्ग (बालकवत्, कविवत्, साधुवत्) स्त्रीलिङ्ग (लतावत्, नदीवत्) नपुंसकलिङ्ग (फलवत्) हलन्त - भवत् सर्वनाम - अस्मद्, युष्मद्, तत्, किम् (तीनों लिङ्गों में) उपपद विभक्ति - द्वितीया - (समया / निकषा, प्रति, विना उभयतः, परितः) तृतीया - (सह / समम् / सार्धम्, विना, अलम्, हीन) चतुर्थी - (रुच्, दा (यच्छ), नमः, कुप्, अलम्) चित्रवर्णन

#### MONTH : AUGUST

S. NO.	SUBJECTS	TOPIC / CHAPTER
1.	ENGLISH	<b>LITERATURE READER</b> D1. Villa for Sale <b>GRAMMAR</b> Modals Determiners & Articles Gap-filling exercises Sentence Transformation <b>WRITING SKILLS</b> Dialogue Writing

		<b>MAIN COURSE BOOK</b> Unit 2 : Adventure B. The Sound of the Shell C. Ordeal in the Ocean Unit 4 : The Class IX Radio and Video Show (Activity/Project) A. Radio Show B. Video Show <b>WORKBOOK</b> Unit 2 : Determiners Unit 4 : Modals <b>Assessment of Speaking &amp; Listening Skills</b>
2.	MATHS	Ch. : 6 – Lines and Angles(contd.) Ch. : 7 – Triangles Ch. : 8 – Quadrilaterals
3.	PHYSICS	L – 10 : Gravitation <b>Practical</b> : To establish the relation between the loss in weight of a solid when fully immersed in (a) tap water (b) strongly salty water, with the weight of water displaced by it by taking at least two different solids.
4.	CHEMISTRY	L – 2 : Is Matter Around us Pure <b>Practical</b> : To determine the melting point of ice and boiling point of water
5.	BIOLOGY	Chapter 6 : Tissues (Contd.) <b>Practical</b> : Identification of Parenchyma, Collenchyma and Sclerenchyma tissues in plants from prepared slides and draw their labelled diagrams.
6.	HISTORY	Lesson – 3 : Nazism and the Rise of Hitler
7.	POLITICAL SCIENCE	Lesson – 4 : Electoral Politics
8.	GEOGRAPHY	Lesson – 3 : Drainage
9.	ECONOMICS	Lesson – 2 : People as a Resource
10.	ARTIFICIAL INTELLIGENCE	Ch. – 5 : Artificial Intelligence Approaches <b>Employability Skills</b> Ch. – 3 : Information and Communication Technology Skills – I
11.	IT	Unit 3 : Digital Documentation <b>Employability Skills</b> Ch. – 2 : Self Management Skills Ch. – 3 : Information and Communication Technology Skills – I
12.	HINDI	स्पर्श – पाठ – तुम कब जाओगे, अतिथि व्याकरण – अर्थ के आधार पर वाक्य-भेद, संवाद-लेखन, अपठित गद्यांश पुनरावृत्ति

13.	SANSKRIT	संख्या १ - १०० तक (१ - ४ प्रथमा विभक्ति) पुनरभ्यास - पत्र, अपठित अनुच्छेद, चित्रवर्णन, संवाद / कथापूर्ति पुनरावृत्ति ।
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**MONTH: SEPTEMBER – REVISION & HALF YEARLY EXAMINATION**

**MONTH : OCTOBER**

S. NO.	SUBJECTS	TOPIC / CHAPTER
1.	ENGLISH	<b>LITERATURE READER</b> F4. Keeping it from Harold P4. The Seven Ages <b>GRAMMAR</b> Clauses (Noun Clauses, Adverb Clauses & Relative Clauses) <b>WRITING SKILLS</b> Notice Writing <b>MAIN COURSE BOOK</b> Unit 3 : Environment A. The Indian Rhinoceros B. Save Mother Earth C. Save the Tiger <b>WORKBOOK</b> Unit 5 : Connectors
2.	MATHS	Ch. : 9 Area of Parallelograms and Triangles Ch. : 10 Circles
3.	PHYSICS	L – 10 : Gravitation (contd.) <b>Practical</b> : To verify the Laws of reflection of sound.
4.	CHEMISTRY	L – 3 : Atoms and Molecules <b>Practical</b> : To verify the law of conservation of mass
5.	BIOLOGY	Chapter 6 : Tissues (Contd.) <b>Practical</b> : Identification of striated, smooth and cardiac muscle fibers in animals from prepared slides and draw their labelled diagrams.
6.	HISTORY	Lesson – 4 : Forest Society and Colonialism
7.	POLITICAL SCIENCE	Lesson – 5 : Working of Institutions
8.	GEOGRAPHY	Lesson – 4 : Climate (to be continued in the month of November)
9.	ECONOMICS	Lesson – 3 : Poverty as a Challenge (to be continued in the month of November)



10.	ARTIFICIAL INTELLIGENCE	Ch. – 7 : Introduction to Python <b>Employability Skills</b> Ch. – 4 : Entrepreneurial Skills – I
11.	IT	Unit 4 : Electronic Spreadsheet
12.	HINDI	स्पर्श – पाठ – वैज्ञानिक चेतना के वाहक चंद्रशेखर वेंकट रामन कविता – अग्निपथ संचयन – मेरा छोटा-सा निजी पुस्तकालय व्याकरण – शब्द और पद, अनुस्वार, अनुनासिक अपठित गद्यांश, अनुच्छेद लेखन
13.	SANSKRIT	पाठ - ६ : तत् त्वम् असि पाठ - ७ : तरवे नमोऽस्तु आत्मनेपदी धातुरूप - सेव्, लभ्, रुच् (लट्-लृट्-लृट् लकारयोः) पत्र (औपचारिक / अनौपचारिक)

#### MONTH : NOVEMBER

S. NO.	SUBJECTS	TOPIC / CHAPTER
1.	ENGLISH	<b>LITERATURE READER</b> F5. Best Seller P5. Oh, I Wish I'd Looked After Me Teeth <b>GRAMMAR</b> Conjunctions Prepositions <b>WRITING SKILLS</b> Informal Letter <b>MAIN COURSE BOOK</b> Unit 5 : Mystery A. Bermuda Triangle B. The Invisible Man C. The Tragedy of Birlstone D. Harry Potter <b>WORKBOOK</b> Unit 8 : Prepositions
2.	MATHS	Ch. 11 : Constructions Ch. 12 : Heron's Formula Ch. 13 : Surface Area and Volumes
3.	PHYSICS	L – 11 : Work and Energy <b>Practical</b> : To determine the velocity of a pulse propagated through a stretched string / slinky.
4.	CHEMISTRY	L – 3 : Atoms and Molecules

5.	BIOLOGY	Chapter 6 : Tissues (Contd.) <b>Practical</b> : Identification of nerve cells in animals from prepared slides and draw their labelled diagrams. Chapter 15 : Improvement in Food Resources.
6.	HISTORY	Lesson – 4 : Forest Society and Colonialism
7.	POLITICAL SCIENCE	Lesson – 6 : Democratic Rights
8.	GEOGRAPHY	Lesson – 4 : Climate Lesson – 5 : Natural Vegetation and Wildlife
9.	ECONOMICS	Lesson – 3 : Poverty as a Challenge (contd.)
10.	ARTIFICIAL INTELLIGENCE	Ch. – 9 : Strings in Python Ch. – 10 : Lists in Python
11.	IT	Unit 4 : Electronic Spreadsheet <b>Employability Skills (Part A)</b> Ch. – 4 : Entrepreneurial Skills – I
12.	HINDI	स्पर्श – पाठ – शुक्रतारे के समान कविता – गीत-अगीत संचयन – कल्लू कुम्हार की उनाकोटी व्याकरण – उपसर्ग, प्रत्यय, स्वर संधि, चित्र-वर्णन, अनौपचारिक पत्र
13.	SANSKRIT	पाठ - ८ : न धर्मवृद्धेषु वयः समीक्ष्यते पाठ - ९ : कवयामि वयामि यामि <b>अव्ययानि -</b> ➤ स्थानबोधकानि – अत्र, तत्र, अन्यत्र, सर्वत्र, यत्र, एकत्र, उभयत्र ➤ कालबोधकानि – यदा, तदा, सर्वदा, एकदा, पुरा, अधुना, अद्य, श्वः, ह्यः ➤ प्रश्नबोधकानि – किम्, कुत्र, कति, कदा, कुतः, कथम्, किमर्थम् ➤ अन्यानि – च, अपि, यदि, तर्हि, यथा, तथा, सम्यक्, एव प्रत्यय - शतृ अपठित अनुच्छेद, कथा / संवादपूर्ति

#### MONTH : DECEMBER

S.NO.	SUBJECTS	TOPIC / CHAPTER
1.	ENGLISH	<b>LITERATURE READER</b> P6. Song of The Rain D2. The Bishop's Candlesticks <b>GRAMMAR</b> Gap-filling exercises Sentence reordering Sentence Transformation <b>WRITING SKILLS</b>

		<p>Dialogue Writing</p> <p><b>MAIN COURSE BOOK</b></p> <p>Unit 6 : Children</p> <p>A. Tom Sawyer</p> <p>B. Children of India</p> <p>C. Children and Computers</p> <p>D. Life Skills</p> <p>E. We are the World.</p> <p><b>WORKBOOK</b></p> <p>Unit 6 : The Passive</p>
2.	MATHS	<p>Ch. : 13 – Surface Area and Volume(contd.)</p> <p>Ch. : 14 – Statistics</p>
3.	PHYSICS	<p>L – 11 : Work and Energy (contd.)</p> <p>L – 12 : Sound</p>
4.	CHEMISTRY	L – 4 : Structure of Atom
5.	BIOLOGY	Chapter 15: Improvement in Food Resources (Contd.)
6.	HISTORY	Lesson – 5 : Pastoralists in the Modern World
7.	POLITICAL SCIENCE	Lesson – 6 : Democratic Rights
8.	GEOGRAPHY	Lesson – 6 : Population
9.	ECONOMICS	<p>Lesson – 4 : Food Security in India</p> <p>(to be continued in the month of January)</p>
10.	ARTIFICIAL INTELLIGENCE	Ch. – 7 : Conditional statements in Loops
11.	IT	Unit 3 : Digital Presentation
12.	HINDI	<p>स्पर्श – कविता – नए इलाके में, खुशबू रचते हैं हाथ</p> <p>व्याकरण – अर्थ के आधार पर वाक्य-भेद, विराम-चिह्न, संवाद-लेखन</p>
13.	SANSKRIT	<p>विसर्ग सन्धि - उत्त्वम्, सत्वम्, षत्वम्, शत्वम्</p> <p>उपपद विभक्ति -</p> <p>पञ्चमी - (विना, बहिः, भी, रक्ष)</p> <p>षष्ठी - (उपरि, अधः, पुरतः, पृष्ठतः, वामतः, दक्षिणतः)</p> <p>सप्तमी - (स्निह, विश्वस्, निपुण, कुशल)</p> <p>पत्रलेखनम् (औपचारिक / अनौपचारिक), चित्रवर्णनम्</p>

**MONTH : JANUARY**

S. NO.	SUBJECTS	TOPIC / CHAPTER
1.	ENGLISH	<b>LITERATURE READER</b> D2. The Bishop's Candlesticks <b>GRAMMAR</b> Modals Determiners <b>WRITING SKILLS</b> Paragraph Writing <b>MAIN COURSEBOOK</b> Unit 7 : Sports And Games A. Grandmaster Koneru Humpy Queen of 64 Squares B. It's Sports Day C. Hockey and Football <b>WORKBOOK</b> Unit 2 : Determiners Unit 4 : Modals <b>Assessment of Speaking &amp; Listening Skills</b>
2.	MATHS	Ch. 15 : Probability & Revision
3.	PHYSICS	L – 12 : Sound (contd.) Revision
4.	CHEMISTRY	Revision
5.	BIOLOGY	Chapter 15: Improvement in Food Resources (Contd.) <b>Revision</b> : Full syllabus
6.	HISTORY	Lesson 5 – Pastoralists in the Modern World and Revision
7.	POLITICAL SCIENCE	Revision
8.	GEOGRAPHY	Revision
9.	ECONOMICS	Lesson – 4 : Food Security in India.
10.	ARTIFICIAL INTELLIGENCE	Ch. – 6 : Getting Started with Neural Network <b>Employability Skills (Part A)</b> Ch. – 5 : Green Skills – I
11.	IT	Unit 3 : Digital Presentation <b>Employability Skills (Part A)</b> Ch. – 5 : Green Skills – I
12.	HINDI	पुनरावृत्ति
13.	SANSKRIT	पाठ १० - भारतीय विज्ञानम् (न परीक्षाकृते) पाठ ११ - भारतेनास्ति मे जीवनं जीवनम् (न परीक्षाकृते) अपठित अनुच्छेद, कथा / संवादपूर्ति, चित्रवर्णनम् / अनुच्छेदलेखन, पठित पाठों की पुनरावृत्ति

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