

ST. THOMAS SCHOOL
Dhurwa, Ranchi SYLLABUS
Session 2026-27

Std. VIII

Name : _____ Roll No: _____
Section : _____

Subject: English Literature

| Book | Publisher |
|---|--------------------------------|
| 1. ICSE Enriched Gem's English Reader 8 | Ratna Sagar |
| 2. Tales from Shakespeare - Part II | Inter University Press (P) LTD |

Term 1 (March- June)

ICSE Enriched Gem's English Reader 8

- Chapter 1 - Space Hunt Extraordinaire (Prose)
- Chapter 2 - The Blue Carbuncle (Prose)
- Chapter 3 - Ranji's Wonderful Bat (Prose)
- Chapter - The Lake Isle of Innisfree (Poem)

Tales from Shakespeare

- The Merchant of Venice – Chapters 1 to 10

Term 2 (July - September)

ICSE Enriched Gem's English Reader 8

- Chapter 5 - My Dearest Lizzy (Prose)
- Chapter 6 - Surya's Pot (Prose)
- Chapter - Milk for the Cat (Poem)
- Chapter - How Pleasant to Know Mr Lear (Poem)

Tales from Shakespeare

- The Tempest – Chapters 1 to 15

Term 3 (October-February)

ICSE Enriched Gem's English Reader 8

- Chapter 10 - The Nightingale (Prose)
- Chapter 11 - Julius Caesar (Prose)
- Chapter - If (Poem)
- Chapter - The Sower (Poem)

Tales from Shakespeare

- As You Like It – Chapters 1 to 14

SUBJECT: ENGLISH LANGUAGE

| Book | Publisher |
|---|---|
| 1. A Comprehensive Grammar of Publishers Current English | Inter University Press (P) Ltd. , Educational |
| 2. Onward With English | Selina Publishers Pvt. Ltd. |
| 3. The Students' Companion | Neha Publishing House |
| 4. Arrow Strings Cursive Writing | Arrow Publications Pvt. Ltd. |

Term 1 (March – June)

A Comprehensive Grammar of Current English

- **Chapter 25 (Part I) - The Preposition**
- **Chapter 17 (Part I) - Tenses and Their Uses**
- **Chapter 43 (Part III) - Transformation of Sentences**
 - Interchange of One Part of Speech for Another.
 - Removal of Adverb 'Too'
 - Interchange of Degrees of Comparison
 - Interchange of Affirmative and Negative Sentences
 - Interchange of Exclamatory and Assertive Sentences
 - Interchange of Interrogative and Assertive Sentences
- **Chapter 33 (Part II) - Phrasal Verbs ('Bear' to 'Draw')**

Onward With English

- **Practice Paper 2 & 6 - Essay**
- **Practice Paper 3 - Letter**
- **Practice Paper 2 to 6 - Passage (Precis to be introduced)**
- **Practice Paper 2 to 6 - Grammar**
 - Tenses
 - Prepositions

The Students' Companion

- **Synonyms - Alphabet ('A' to 'H')**

Arrow Strings Cursive Writing

- **Page No. - 2 to 16**

Term 2 (July – September)

A Comprehensive Grammar of Current English

- **Chapter 43 (Part III) - Transformation of Sentences**
 - Interchange of Active to Passive Voice
 - Interchange of Passive to Active Voice
- **Chapter 43 (Part III) - Synthesis of Sentences (Combining Sentences)**
 - Simple to Simple Sentences
 - Simple to Compound Sentences
 - Simple to Complex Sentences

- **Chapter 33 (Part II) - Phrasal Verbs ('Fall' to 'Look')**

Onward With English

- **Practice Paper 9 & 11 - Essay**
- **Practice Paper 7 - Letter**
- **Practice Paper 7 to 11 - Passage**
- **Practice Paper 7 to 11 - Grammar**
 - Tenses
 - Prepositions

The Students' Companion

- **Synonyms - Alphabet ('I' to 'P')**

Arrow Strings Cursive Writing

- **Page No. - 17 to 25**

Term 3 (October - February)

A Comprehensive Grammar of Current English

- **Chapter 47 (Part III) - Direct and Indirect Speech**
 - **Direct to Indirect Speech**
 - Declarative or Assertive Sentences
 - Interrogative Sentences
 - Imperative Sentences
 - Exclamatory Sentences
 - **Indirect to Direct Speech**
 - Declarative or Assertive Sentences
 - Interrogative Sentences
 - Imperative Sentences
 - Exclamatory Sentences
- **Chapter 41 (Part III) - Agreement of the Verb with the Subject**
- **Chapter 19 (Part II) - The Infinitive**
- **Chapter 20 (Part II) - The Participle**
- **Chapter 21 (Part II) - The Gerund**
- **Chapter 33 (Part I) - Phrasal Verbs ('Make' to 'Turn')**

Onward With English

- **Practice Paper 12 & 17- Essay**
- **Practice Paper 13 - Letter**
- **Practice Paper 12 to 17- Passage**
- **Practice Paper 12 to 17- Grammar**
 - Tenses
 - Prepositions

The Students' Companion

- **Synonyms - Alphabet ('Q' to 'W')**

Arrow Strings Cursive Writing

- **Page No. - 26 to 40**

SUBJECT: Hindi

| Book | Publisher |
|------------------------------|--------------|
| 1. वाटिका | भारती भवन |
| 2. नई ज्ञानमणि हिंदी व्याकरण | फ्यूचर किड्स |

Term 1 (March to June)

वाटिका (साहित्य)

- पाठ 3 सयानी बुआ
- पाठ 4 सूरदास बाल वर्णन
- पाठ 5 भूल का एहसास
- पाठ 6 बेंजी का बड़ा दिन

नई ज्ञानमणि (हिंदी व्याकरण)

- निबंध लेखन
- पाठ 30 पत्र लेखन(औपचारिक, अनौपचारिक पत्र)
- पाठ 26 अपठित गद्यांश
- पाठ 4 पर्यायवाची शब्द(1-13)
- पाठ 5 विपरीतार्थक शब्द(1-14)
- पाठ 6 श्रुतिसमभिनार्थक शब्द(1-10)
- पाठ 7 उपसर्ग (अ-सु) संस्कृत उपसर्ग
- पाठ 8 प्रत्यय - (अंक - ऐया)
- पाठ 10 संज्ञा(भाववाचक संज्ञा मम- बहु)
- पाठ 24 मुहावरे(1-13)
- पाठ 15 विशेषण
- पाठ 11 लिंग
- पाठ 12 वचन

Term 2 (July to September)

वाटिका (साहित्य)

- पाठ 8 हींगवाला
- पाठ 9 कुदरत हमको सिखलाती है
- पाठ 10 आपबीती
- पाठ 11 डायरी के पन्ने

नई ज्ञानमणि (हिंदी व्याकरण)

- निबंध लेखन
- पाठ 30 पत्र लेखन (औपचारिक, अनौपचारिक पत्र)
- पाठ 26 अपठित गद्यांश
- पाठ 4 पर्यायवाची शब्द(14-26)
- पाठ 5 विपरीतार्थक शब्द(15-26)
- पाठ 6 श्रुतिसमभिनार्थक शब्द(11-20)

- पाठ 7 उपसर्ग (अ-बिन) हिंदी के उपसर्ग
- पाठ 8 प्रत्यय - (नी - ऊ)
- पाठ 10 संज्ञा(भाववाचक संज्ञा महान - करुण)
- पाठ 24 मुहावरे(14-26)
- पाठ 14 सर्वनाम
- पाठ 16 क्रिया
- पाठ 17 अविकारी शब्द (क्रियाविशेषण)

Term 3 (October to February)

वाटिका (साहित्य)

- पाठ 12 अटूट बंधन
- पाठ 13 मित्रता
- पाठ 14 न्याय मंत्री
- पाठ 15 पहली बूँद
- पाठ 4 सूरदास बाल वर्णन
- पाठ 8 हींगवाला

नई ज्ञानमणि (हिंदी व्याकरण)

- निबंध लेखन
- पाठ 30 पत्र लेखन(औपचारिक, अनौपचारिक पत्र)
- पाठ 26 अपठित गद्यांश
- पाठ 4 पर्यायवाची शब्द(27-40)
- पाठ 5 विपरीतार्थक शब्द(27-40)
- पाठ 7 उपसर्ग (ब- सर) उर्दू उपसर्ग
- पाठ 8 प्रत्यय - (आवट - आपा)
- पाठ 10 संज्ञा(भाववाचक संज्ञा पढ़ना - घबराना)
- पाठ 13 कारक
- पाठ 24 मुहावरे(27-40)
- पाठ 21 वाक्य विचार (अर्थ के आधार पर)
- पाठ 22 वाच्य

Subject: Mathematics

| Book | Publisher |
|--|------------------|
| 1. Essential Mathematics | 1. Bharti Bhavan |
| 2. Concise Mathematics [From 3 rd Term] | 2. Selina |

Term 1 (March- June)

- **Topic/Chapter**
 - Rational Numbers / Chapter (Numbers-1)
 - Exponents and Powers / Chapter (Numbers-2)
 - Square and Square Roots / Chapter (Numbers-3)
 - Cube and Cube Roots / Chapter (Numbers-4)
 - Percentage / Chapter (Arithmetical Problems-3)
 - Profit and Loss / Chapter (Arithmetical Problems-4)
 - Fundamental Concepts / Chapter (Algebra-1)
 - Fundamental Operations / Chapter (Algebra-2)
 - Quadrilateral / Chapter (Geometry-1)
 - Constructions / Chapter (Geometry-2)
 - Circle / Chapter (Geometry-3)

Term 2 (June- September)

- **Topic/Chapter**
 - Idea of Sets / Chapter (Sets-1)
 - Operations and Venn Diagrams / Chapter (Sets-2)
 - Direct and Inverse Variations / Chapter (Arithmetical Problems-1)
 - Time and Work / Chapter (Arithmetical Problems-2)
 - Simple Interest and Compound Interest / Chapter (Arithmetical Problems-5)
 - Linear Equations and Inequations / Chapter (Algebra-5)
 - Area / Chapter (Mensuration-1)
 - Volume and Surface Area /Chapter (Mensuration-2)
 - Probability /Chapter (Data Handling-2)

Term 3 (October-February) [From Class IXth Book]

- **Topic/Chapter**
 - Rational Irrational Numbers / Chapter-1
 - Expansions / Chapter-4
 - Factorisation / Chapter-5
 - Triangles / Chapter-9
 - Pythagoras Theorem / Chapter-12(A)
 - Area and Perimeter of Plane Figures / Chapter-19[Ex.A and Ex.B]
 - Solids / Chapter-20[Only Exercise 20]

Subject: History and Civics

Book

Focus on History & Civics (VIII)

Publisher

Goyal Brothers Prakashan

Term 1 (March - June)

CIVICS

- **Chapter 1: The Union Legislature**
 - Introduction
 - The Parliament
 - The Lok Sabha
 - The Rajya Sabha
 - Powers of the Rajya Sabha
 - Power and Functions of the Parliament
- **Chapter 2: The Union Executive**
 - The President
 - Powers of the President
 - The Vice President
 - The Prime Minister and the council of ministers

HISTORY

- **Chapter 1: A Period of Transition**
 - Introduction
 - Sources
 - Renaissance
 - Reformation
 - Voyages and discoveries
 - The Industrial Revolution
 - Major Inventions
 - Imperialism
- **Chapter 2: The Age of Revolutions**
 - The American Revolution (1776)
 - The French Revolution (1789)
 - Napoleon Bonaparte
- **Chapter 3: The American Civil War**
 - The Civil War (1861 - 65)
 - Causes of the Civil War
 - Main events of war
 - Results of the war
 - Abraham Lincoln and his role in civil war

Term 2 (July - September)

CIVICS

- **Chapter 3: The Judiciary**
 - The Judiciary
 - The Supreme Court
 - The High Courts
 - Writs
 - The Subordinate Courts
 - Lok Adalats
- **Chapter 4: The United Nations**
 - Origin of the UN
 - Aims of the United Nations
 - Facts about the UN
 - Organs of the UN
 - Specialised agencies of the UN
 - Achievements of the UN

HISTORY

- **Chapter 4: India in the 18th Century**
 - Decline of the Mughal Empire
 - Rise of independent states
- **Chapter 5: Traders to Rulers**
 - Europeans as traders
 - The French in India
 - The English East India Company
 - Anglo-French Rivalry
 - British Conquest of Bengal
 - Dual Government or Dyarchy (1765-1772)
 - The Regulating Act of 1773
 - British Expansion under Lord Dalhousie (1848-1856)
- **Chapter 6: British Policies and Impacts**
 - British Economic Policies
 - New Land Revenue System
 - Exploitation of Artisans and Weavers
 - The Drain of Wealth
 - Introduction of Modern Education

Term 3 (October - February)

| Book | Publisher |
|----------------------------------|--------------|
| Total History & Civics (IX book) | Morning Star |

CIVICS

- **Chapter 5: The State Legislature (From Std. IX Book)**
 - Abolition or creation of Legislative Councils (Vidhan Parishads)
 - Legislative Assembly (Vidhan Sabha)
 - Qualification for membership
 - Election
 - Reservation and Nomination
 - Term
 - Powers and Functions of the State Legislative Assembly
 - State Legislative Council (Vidhan Parishad)
 - Powers and Functions of Vidhan Parishad
 - Unicameral and Bicameral Legislatures
 - Difference between Unicameral and Bicameral Legislature

HISTORY

- **Chapter 8: Socio-Religious Reform Movement (From Class VIII book)**
 - Raja Ram Mohan Roy
 - Ishwar Chandra Vidyasagar
 - Swami Vivekananda
 - Annie Besant
 - Jyotiba Phule
 - Swami Dayanand Saraswati
 - Kandukuri Veeresalingam
 - Narayana Guru
 - Sir Syed Ahmad Khan
 - Singh Sabhas
- **Chapter 1: The Harappan Civilization (From Std. IX Book)**
 - Bronze Age Civilisations
 - The Harappan Civilisation
 - Sources
 - The Great Bath
 - The Citadel
 - Seals
 - Bearded Man
 - Dancing Girl

- Dockyard
- Script
- Origin of the Civilisation
- Extent of Civilisation
- Urban Planning
- Features of Urban Planning
- Granaries
- Trade
- Internal Trade
- External Trade
- Weights and Measures
- Transport
- Art and Craft
- Sculpture
- Decline of the Civilisation
- Heritage

- **Chapter 2: The Vedic Period (From Std. IX Book)**

- Sources
- The Vedas
- The Importance of the Vedas
- The Epics
- The importance of the Epics
- Archaeological Sources
- Early Settlements
- Society
 - Position of Women
 - Class Divisions
 - The Four Ashramas
 - Education
 - Food, Dress and Amusements
 - Religious Beliefs
 - Economy
 - Trade
 - Occupations

- **Chapter 3: Jainism and Buddhism (From Std. IX Book)**

- Sources
- Causes and the rise of Jainism and Buddhism
- Jainism and Buddhism
- Main teachings of Jainism

- The five Vows
- Nine Truths
- Doctrines of Jainism
- Buddhism
- Enlightenment
- Teachings of Buddhism
- Four Noble Truths
- Eight Fold Path
- Decline of Buddhism
- Similarities between Jainism and Buddhism

Subject: Geography

| Book | Publisher |
|-------------------------------|------------------|
| 1. A Textbook of Geography | Veena Bhargava |
| 2. Discovering the World.(IX) | K.S.Randhava |

Term 1 (March- June)

- **Chapter:-6 Asia: The largest continent-Location and physical features.**
 - Introduction
 - Location and extent
 - A Continent of contrast
 - Political division of Asia
 - CIS- Commonwealth of Independent States
 - Physical features of Asia - Northern Lowlands, Central Highlands, The Southern plateaus, The Great River Basins, The islands & Indonesian Archipelago
- **Chapter:- 7 Asia: Climate, Natural vegetation and Wildlife**
 - Introduction
 - Factors affecting Climate of Asia
 - Climate condition during the year
 - Annual distribution of rainfall
 - Types of climate in Asia- Tundra, Temperate, Tropical, Desert & Equatorial
 - Natural vegetation and wildlife- Tundra, Taiga, Tropical Deciduous , Thorny (Desert) , Equatorial
- **Chapter :-2 Population Dynamics**
 - Introduction- Population
 - Distribution of population in the world - Global population
 - Factors affecting the size of population- Fertility rate, Birth rate, Mortality rate or Death rate, Immigration and Emigration

- Density of population in the world - The densely populated region, The moderately populated region, The sparsely populated region
- Overpopulation- Causes, Problems & Impact
- Underpopulation- Causes, Problems & Impact
- Factors affecting population- Climate, Topography of landforms, Water, Availability of Resources , Size of the Country, Socio- Economic factors, Geographical location
- Composition of Population- Population pyramid of India, Population pyramid of Japan , Reasons why India's sex ratio is lower than the world average.
- **Chapter :- 10 Human Resources**
 - Introduction- Meaning of Human resources
 - Importance of human resources
 - Factors influencing population distribution- Geography location, Economics Factors & Social and cultural factors
 - Distribution of population in India- Rural, Urban, Geographical distribution and Sex ration
 - Role of health and education in developing Human resources in India
 - Skilled and unskilled human resources
 - Impact of skilled human resources on the socio- economic development of country
- **Map:- Physical map of Asia**

Term 2 (July- September)

- **Chapter:-1 Representation of Geographical features**
 - Introduction
 - Interpreting Contours on the toposheet (height. shape, etc) - Contours, Index Contours, Essentials of contour - types of slopes
 - Features related to height and elevation of landscapes- Conical hill, Ridge , Watershed ridge, Plateau, Cliff, Waterfall, Pass, Saddle , Col and Gap
 - Types of settlement and settlement patterns
 - Conventional signs of settlement patterns
 - Interpretation and analysis of the given toposheet G43S7
 - Conventional symbols
- **Chapter:- 3 Migration**
 - Introduction
 - Causes and effects of migration
 - Types of migration
 - Impact of migration
 - Brain drain- Introduction, Causes and impact of brain drain
- **Chapter : 4 Urbanisation**
 - Introduction
 - Causes and impacts of urbanisation
 - Way to reduce the negative impact of urbanisation

- Steps should be taken at the local level to keep the urban areas clean
- Necessary steps to be taken by government
- Satellite cities
- Concept of Smart cities- World's five Smartest cities
- Characteristic features of smart city vs urban city
- **Chapter :- 5 Natural and man - made disasters**
 - Introduction
 - Types of Disasters
 - Natural Disasters Earthquakes, Tsunami - Tohoku Earthquakes and Tsunami , Preventive measures to be taken during Earthquake, Flash floods- Preventive measures to be taken during flash floods
 - Man-made Disasters- - The Chernobyl disaster, The Bhopal Gas Tragedy- long term effects on the people.
 - Hybrid Disasters- Drought, Landslides, Hurricane, floods and cyclones, Famine and crop failure, Chemical poisoning , Earthquakes
 - Fire hazards and safety measures - Fire safety plan structure
 - Disaster management in India- Common objectives during any disaster, Role of the government , Role of remote sensing Satellite in natural disaster
 - Case study 1:- Floods in Assam - Introduction, Causes & effects , impacts
 - Case study 2:- Floods in Bihar - Introduction, Causes & effects , impacts
 - Case study 3:- Earthquake in Nepal - Introduction, Causes & effects , impacts
 - Case study 4:- Oil spill in coastal areas of United States - Introduction, Causes & effects, impacts
- **Map:- Physical map of Asia**

Term 3 (October-February)

- **Chapter :- 8 India : Geographical Features**
 - Introduction
 - Boundaries and neighbouring countries of India
 - Political division of India- States and Capitals
 - Physiographic Divisions of India- Himalayas, Northern Plains, Peninsular plateau, Coastal region, Islands
 - Drainage
- **Chapter :- 9 India : Climate, Flora and Fauna**
 - Introduction
 - Factors affecting Climate of India
 - The climatic contrasts
 - Change of seasons in India
 - Distribution of rainfall
 - Forest Resources of India - Flora
 - Types of natural vegetation in India

- Conservation of forests in India
- India - Wildlife
- Conservation of Wildlife
- Endangered species
- **Chapter :- 10 Human Resources.** } Repeated
- **Chapter :- 1 Representation of Geographical Features** } Repeated

STD : IX BOOK - Discovering the World by K.S. Randhava

- **Chapter :- 11 The Atmosphere**
 - Earth's Atmosphere
 - Composition of the Atmosphere
 - Importance of various components
 - Structure of the Atmosphere
 - The Ozone layer ; The Greenhouse Effect
 - Causes of destruction of the Ozone layer
 - The Greenhouse Effect
- **Chapter :12 Insolation**
 - How does the earth and its atmosphere get heated?
 - Factors affecting the distribution of temperature
- **Map:- Physical map of India**

Subject: Physics

Book
Universal Science Physics

Publisher
Pearson

Term 1(March – June)

- **Chapter- 1 More about Matter**
 - Random motion of Atoms and Molecules
 - Kinetic theory of matter
 - States of matter
 - Change of state
- **Chapter-2 Density**
 - Density
 - Density of a substance in solids, liquid and gaseous state
 - Measurement of density
 - Relative density
 - Floating and sinking
 - Hydrometer
- **Chapter- 3 Force and Pressure**
 - Force and pressure
- **Chapter – 4 Work and Energy**
 - Work and energy
 - Forms of energy
 - Law of conservation of energy
 - Transformation of energy
 - Power

Term 2 (June- September)

- **Chapter -5 Refraction and reflection**
 - Optical Density
 - Refraction of light
 - Phenomenon caused due to refraction of light
 - Refraction through a glass slab
 - Refraction of light through a prism
 - Dispersion
 - Spherical mirrors
 - Images formed by spherical mirrors
 - Uses of mirrors
- **Chapter- 6 Transfer of Heat**
 - Heat and factors affecting the rate of evaporation
 - Uses of evaporation
 - Thermal Expansion
 - Advantages and disadvantages of expansion
 - Expansion
- **Chapter – 7 Sound**
 - Propagation of sound in air
 - Characteristics of sound waves
 - Audible and Inaudible sounds
 - Musical sound , monotone and noise

Term 3 (October – February)

- **Chapter- 8 Electricity**
 - Electricity at home
 - Safety precautions
 - Conservation of electricity
 - Static electricity
 - Law of conservation of charge
 - Methods of charging a body
 - Electroscope
 - Sparking and lightning
- **Chapter -6 Heat and energy (Concise Physics class -9)**
 - (A) Heat and temperature; Anomalous Expansion
 - (B) Energy flow and its importance
 - (C) Energy sources
 - (D) Greenhouse effect and global warming
- **Chapter-7 Reflection of light**
 - **(A) Laws of reflection and formation of image by plane mirror**
 - **(B) Image formed in pair of mirrors**
 - **(C) Spherical mirrors , image formation and their uses**
- **Chapter – 8 Propagation of sound waves**
 - (A) Production and propagation of sound wave
 - (B) Infrasonic , sonic and ultrasonic frequencies

Subject: Chemistry

| Book | Publisher |
|--------------------------------|-------------------|
| 1. ICSE Chemistry -Class 8 | Viva Education |
| 2. Concise Chemistry – Class 9 | Selina Publishers |

Term 1 (March- June)

- **Chapter- 1: Matter**
 - Matter
 - Kinetic molecular theory of matter
 - States of matter based on kinetic molecular theory
 - Properties of states of matter
 - Change of state of matter
 - Law of conservation of mass
- **Chapter-2: Physical and chemical changes**
 - Changes – A Review
 - Classification of changes
 - Reversible and irreversible changes
 - Periodic and non -periodic changes
 - Desirable and undesirable changes
 - Slow and fast changes
 - Natural and man-made changes
 - Physical and chemical changes
 - Changes involving energy changes
- **Chapter-5: Language of chemistry**
 - Elements and their symbols
 - Compounds and their formulae
 - Chemical equations
 - Balancing a chemical equation
 - Information gathered from a chemical equation
 - Limitations of a chemical equation

Term 2 (June- September)

- **Chapter -3: Elements, Compounds and Mixtures**
 - Elements, compounds and mixtures – A quick recall
 - Pure substances
 - Mixtures- Classification and characteristics
 - Separation of mixtures
 - Combining Methods for separating mixtures
- **Chapter-4: Atomic structure**
 - Discovery of the Atomic structure
 - Dalton’s Atomic Theory
 - Sub atomic particles and their discovery
 - Atomic Models
 - Structural stability of an atom
 - Atomic number
 - Mass number
 - Relative atomic mass

- Isotopes
- Electronic configuration and valency
- Chemical Bond
- **Chapter-6: Chemical Reactions**
 - Chemical Reactions- Characteristics and conditions necessary for chemical reactions
 - Catalyst and bio catalyst
 - Types of chemical reactions
 - Reactivity or activity series of metals
 - Decomposition reactions to form oxides
 - Classification of oxides

Term 3 (October-February)

- **Chapter -7: Hydrogen**
 - Occurrence of hydrogen
 - Discovery of hydrogen
 - Preparation of hydrogen
 - Properties of hydrogen –physical and chemical
 - Oxidation and reduction
 - Uses of hydrogen
- **Chapter -8: Water**
 - Sources -uses and purification of water
 - Physical properties of water
 - Dissolution of salts in water
 - Classification of solutions – True solution, suspension and colloid
 - Water of crystallization
 - Chemical properties of water
 - Hard water and soft water
- **Chapter - 9: Carbon and its compounds**
 - Occurrence of carbon
 - Compounds of carbon
 - Chemical properties of carbon
 - Allotropes of carbon
 - Carbon dioxide
 - Carbon Cycle
 - Carbon monoxide
- **Chapter -2: Chemical changes and reactions (Concise Chemistry – class 9)**
 - Chemical change
 - Characteristics of chemical reactions
 - Types of chemical changes or chemical reactions
 - Energy changes in chemical reactions

Subject: Biology

| Book | Publisher |
|-------------------------------|-------------------|
| 1. ICSE Biology-8 | Viva Education |
| 2. Concise Biology-9 (Part-I) | Selina Publishers |

Term 1(March-June)

- Chapter 1 : Transport in Plants
- Chapter 4 : Control and Coordination

Term 2 (July-September)

- Chapter 2 : Plant and Animal Reproduction
- Chapter 3 : Nature in Action
- Chapter 6 : Sustainable Farming Practices
 - [Definitions:-Microorganisms, Horticulture, Organic farming,
 - Agriculture, Green revolution, Animal husbandry, Poultry farming,
 - Pisciculture, Apiculture, Sericulture.
 - Differences:-Rabi and Kharif crop, Common diseases of cattle
 - Poultry diseases]

Term 3 (October-February) [Concise Biology Part 1]

- Chapter 2 : Cell- The Unit of Life
- Chapter 3 : Tissues- Plant and Animal Tissues
- Chapter 15 : Hygiene
- Chapter 16 : Diseases- Cause and Control
- Chapter 17 : Aids to Health
- Chapter 18 : Health Organization

Subject: Computer Applications

| Book | Publisher |
|---------------------------------------|-------------------|
| ICSE Guided Computer Applications- IX | D.N. Publications |

Term 1 (March- June)

- Chapter 1 / Chapter 3 /Chapter 4/Chapter 6/Chapter 7
 - Tokens-Identifiers, Keywords,, Literals, Operators, Punctuators
 - Operators: Unary, Binary, Relational, Logical, Assignment, Arithmetic assignment, Ternary, Concatenation
 - Escape sequence character(\),Comment Entries(Single, Multiline)
 - Data Types(name, size, range, default values)
 - Variables and their scope
 - Input Using java Scanner class[nextInt(),nextFloat(), nextDouble(), next(),nextLine() etc]
 - Printing in java (print Vs println)
 - Simple java programs:
 - History Of java
 - Characteristics of Java ASCII Vs Unicode

- Source code, Object code, Java compiler, Bytecode, JVM
- Static and Dynamic Initialization
- Math library functions – pow() and sqrt()
- Expression and its type (pure and mixed)
- Arithmetic Statement Vs Expression
- Types of Java Program (Applet and Application)

Term 2 (June- September)

- **Chapter 8: Conditional Statements in Java**
 - Decision making structures /Selection statement of java definition
 - If / if..else Simple if programs
 - More on Decision Making in Java:
 - Decision making structures (if with logical operators, nested if) Dangling if concept
 - Switch case with significance of break and default Fall through concept
 - Programs – Decision making , Menu driven
- **Chapter 9 : Iterative Statements in Java Looping Definition**
 - For loop Structure and its programs Type of loops (empty, infinite)
 - Entry control loop Vs exit Control loop
 - Simple Series programs
- **Revision of First Term**

Term 3 (October-February)

- **Chapter 9 : Iterative Statements in Java**
 - Series Sum programs While Loop
 - Do – while loop
 - User dependent looping programs
 - Series and number programs(Palindrome,perfect, Prime,Armstrong, neon, Spy,Niven)
- **Chapter 1/ Chapter 2 Definition of OOPS**
 - Object and class along with their difference Real life object Vs Software object
 - Elements of OOPS (Abstraction ,Encapsulation, Modularity, Inheritance, Polymorphism)
 - Class as an object factory/ User defined data type
- **Revision of Whole syllabus.**

Subject: Economic Applications

Book
I.C.S.E. Economic Applications Class IX

Publisher
Goyal Brothers Prakashan

Term 1 (March - June)

- Chapter 1 Meaning and Definitions of Economics
- Chapter 2 Basic Entities in an Economy

Term 2 (July - September)

- Chapter 3 Basic Problems of an Economy
- Chapter 4 Types of Economies
- Chapter 5 Characteristics of Indian Economy

Term 3 (October - February)

- Chapter 6 Main Sectors of Indian Economy: Agriculture
- Chapter 12 Consumer Awareness
- Chapter 13 Globalisation
- Chapter 2 Basic Entities in an Economy [Repeated from term 1]
- Chapter 3 Basic Problems of an Economy [Repeated from term 2]

Subject - SANSKRIT

Book
नई दीप मणिका

Publisher
न्यू सरस्वती हाउस (इंडिया) प्रा०लि०

Term 1 (March - June)

नई दीप मणिका (Literature)

- पाठ - 1. प्रकृति - शोभा
- पाठ - 2. महामना मदनमोहनमालवीयः
- पाठ - 3. चंद्रगुप्तस्य न्यायः
- पाठ - 5. सुवचनानि

Sanskrit Vyakaran

- पत्र लेखन (औपचारिक, अनौपचारिक)
- अपठित गद्यांश
- अनुच्छेद लेखन - (अस्माकं विद्यालयः, मम परिवारः)
- अव्यय, उपसर्ग • पर्यायवाची शब्द (पृथ्वी - विद्यार्थी)
- शब्द रूप - कवि, गुरु, अस्मद्, युष्मद्

- धातु रूप - अस्, दृश्, स्था(लट्, लृट्, लङ्, लोट् चारों लकारों में)
- संधि - स्वर, व्यंजन, विसर्ग
- प्रत्यय - क्त्वा, ल्यप्, तुमुन्, क्त
- उपपद विभक्ति - द्वितीया से सप्तमी तक
- संख्या - 1 - 30 तक (1 से 4 तक तीनों लिंगों में)
- पाठ आधारित सभी व्याकरण।

Term. 2 (July-September)

नई दीप मणिका (Literature)

- पाठ - 6. महानगराणां जीवन-रेखा (मेट्रोयानम्)
- पाठ - 8. ईश्वरः यत् करोति शोभनं करोति
- पाठ - 9. साहित्य-सुधा (श्लोकसङ्कलनम्)
- पाठ - 10. अन्तर्जालम्

Sanskrit Vyakaran

- पत्र लेखन (औपचारिक, अनौपचारिक)
- अपठित गद्यांश
- अनुच्छेद लेखन - (स्वतन्त्रता दिवसः, आदर्श छात्रः)
- अव्यय, विशेषण, अशुद्धि शोधन
- पर्यायवाची शब्द (सृष्टिः - मेघः)
- शब्द रूप - नदी, पितृ, एतत् (तीनों लिंगों में)
- धातु रूप - कृ, कथ्, प्रच्छ(लट्, लृट्, लङ्, लोट् चारों लकारों में)
- संधि - स्वर, व्यंजन, विसर्ग
- प्रत्यय - शत्, तव्यत्, अनीयर्, क्तवत्
- उपपद विभक्ति - द्वितीया से सप्तमी तक
- संख्या - 1 - 45 तक (1 से 4 तक तीनों लिंगों में)
- पाठ आधारित सभी व्याकरण।

Term.3 (October-February)

नई दीप मणिका (Literature)

- पाठ - 11. वरं बुद्धिर्न सा विद्या
- पाठ - 12. भारतस्य संविधानम्
- पाठ - 13. नीति - श्लोकाः
- पाठ - 14. गीतोपदेशाः

Sanskrit Vyakaran

- पत्र लेखन (औपचारिक, अनौपचारिक)
- अपठित गद्यांश
- अनुच्छेद लेखन - (पर्यावरणम्, मम प्रिय मित्रम्)
- अव्यय, विशेषण, अशुद्धि शोधन
- पर्यायवाची शब्द (पृथ्वी- मेघः)

- शब्द रूप - , मातृ, तत् (तीनों लिंगों में)
- धातु रूप - रक्ष्, नृत्य, दा (लट्, लृट्, लङ्, लोट् चारों लकारों में)
- संधि - स्वर, व्यंजन, विसर्ग
- प्रत्यय - शानच्, डीप्, टाप्, त्व
- उपपद विभक्ति - द्वितीया से सप्तमी तक
- संख्या - 1 - 60 तक (1 से 4 तक तीनों लिंगों में तथा 70,80,90,100)
- पाठ आधारित सभी व्याकरण

Subject : MORAL SCIENCE

Book

Inspiring Souls - Book 8

Publisher

Acevision Publisher Pvt.Ltd.

Term 1 (March – June)

- Chapter 1 : Shaking Earth
- Chapter 2 : Goodness Meal
- Chapter 3 : Flying Drama
- Chapter 4 : Pumpkin Reward

Term 2 (July -September)

- Chapter 5 : Different Strokes
- Chapter 6 : The Hanging Sword
- Chapter 7 : Father's Will
- Chapter 8 : Top to Bottom

Term 3 (October – February)

- Chapter 9 : Some Other Day !
- Chapter 10 : The Jar of Life
- Chapter 11 : Stormy Stress
- Chapter 13 : The Emperor's New Clothes
- Chapter 14 : My Network

Subject: General Knowledge

Book

Anytime GK

Publisher

Evergreen Publications (INDIA) Ltd.

Term 1 (March – June)

- Unit -I Incredible India
 - Mughal Rule in India
 - The Judiciary

- Indian Armed Forces
- Governing Educational Bodies
- Seaports of India
- Learning Centres
- Election Symbols
- Unit-2 The World around Us
- World Intelligence Agencies
- Know Your Boundaries
- The Group of Twenty (G20)
- Roman Mythology
- Geographical Epithets
- Animal Kingdom
- Revision Test Paper-1
- Animal Pharmacists
- Animals: Fact or Fiction
- Stout Defences

Term 2 (June – September)

- **Unit-3 Animal Kingdom**
 - Colossal Sea Creatures
 - Man's Best Friend
- **Unit-4 Plant Kingdom**
 - Amazing Plants
 - Modern Farming
 - Algae and Fungi
- **Unit-V Sports & Entertainment**
 - Sports Quiz
 - Sports Governing Bodies
 - Cricket Vocabulary
 - Hollywood Legends
 - Popular Artists
 - Celebrations
 - Film Genres
 - Revision Test Paper-2
- **Unit-VI Science Technology**
 - Computer Facts
 - Metals and Non-metals
 - Chandrayaan-3

Term 3 (October – February)

- **Unit-VI science & Technology**
 - Internet and Networking
 - Blood: A Wonder Liquid
 - Space Firsts
 - Alternative Medicines
 - Notable Pandemics
- **Unit-V Language & Literature**
 - Poetic Forms
 - Famous Autobiographies

- Languages and Authors
 - End with -ent
 - William Shakespeare's Plays
 - **Unit-VII Life skills & Environment**
 - CPR First Aid
 - Global Warming
 - Environmental Pollution
 - Memory Tips and Tricks
 - **Unit IX General Awareness**
 - Nobel Prize
 - Extreme Airports
 - **Unit Tickle Your Brain**
 - Reasoning
 - Puzzles
 - Revision Test Paper-3
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