

SESSION 2023-24
SYLLABUS
CLASS VIII

CONTENTS

S.No.	Subject
1.	English
2.	Hindi
3.	French
4.	Mathematics
5.	Science
6.	Social Science
7.	Computer Science
8.	General Knowledge
9.	Art Education

ENGLISH

Learning Objectives

Reading

To enable the students to -

1. read silently at varying speed depending on the purpose of reading.
2. recognise the organisation of a text.
3. identify the main points of a text.
4. read extensively on their own.

Writing

To enable the students to -

1. express ideas in clear and grammatically correct English, using appropriate punctuation and cohesion devices.
2. write a clear description.
3. expand notes into a piece of writing.
4. use an appropriate style and format to write letters (formal and informal), articles etc.; monitor, check and revise written work.

Listening

To enable the students to -

1. adopt different strategies according to the purpose of listening (e.g. for pleasure, for general interest, for specific information).
2. understand and respond appropriately to directive language (e.g. instruction, advice, request and warning).
3. understand and interpret messages conveyed in person or by telephone.

Speaking

To enable the students to –

1. operate intelligibly using appropriate word stress, sentence series and intonation pattern.
2. narrate incidents and events, real and imaginary, in a logical sequence.

Textbooks

1. Enhanced English Alive Course Book- 8 (MCB)
2. Enhanced English Alive Literature Reader- 8 (LR)
3. Revised Collins English Grammar and Composition-8
4. The Hound of the Baskervilles by Sir Arthur Conan Doyle

General Note:

A thorough reading of the text on a regular basis is a must as questions from within the lesson will be given in the exams/tests. Questions in the exams are likely to be different from those attempted in the notebooks.

FIRST TERM

Reading Comprehensions

- MCB - 1. Journey to Jo'burg
2. The Landlady
LR- 3. As a Boy

Writing Skills

1. Notice Writing
2. Message Writing
3. Formal Letter Writing
4. Article Writing

Grammar

1. Nouns
2. Pronouns
3. Sentences
4. Conditional Sentences
5. Transformation of Sentences
6. Synthesis of Sentences
7. Adjectives
8. Verbs
9. Agreement of Subject and Verb
10. Non-Finite Verbs
11. Adverbs
12. Active and Passive Voice
13. Test I

Literature and Long Reading Text

- MCB - 1. The Cookie Thief (Poem)
LR 2. The Butterfly and the Caterpillar (Poem)
3. Mike Teavee (Poem)
MCB- 4. While the Auto Waits
5. The Ransom of Red Chief
LR - 6. Rajam and Mani
7. The Vet's Miracle

N.B.: Diary entry from the following chapter is to be done in class and assessed in literature section as long answer (80-100 words)

1. The Vet's Miracle

The Hound of the Baskervilles - Chapters 1 to 7

Note: There will be separate assessment of listening and speaking skills.

Listening Activities to be taken up in the term -

- MCB - 1. The Landlady (Pg. 56)
2. While the Auto Waits (Pg.71)
3. Journey to Jo' burg (Pg.88)
4. The Ransom of Red Chief (Pg.135)

Creative Writing (Expressions)

1. Sonam Wangchuk was bestowed with the Rolex Award for Enterprise for his unique idea of making ice stupas to overcome the problem of acute water scarcity in Leh- Ladakh region. Read the chapter 'Sonam Wangchuk' (MCB) and write a paragraph about his special qualities which helped him to achieve such a remarkable milestone.
2. Read the lesson 'Thirst : A Story from Spain' (LR). Imagine that you are the ghost of one of the crew members who mutinied on La Reina del Mundo. Write a diary entry explaining how it happened, what you did with the captain and what happened in the end.
3. In the poem 'Partition' (MCB), the poet criticizes the unjust partition of the Indian subcontinent resulting in millions being displaced and killed. Write a paragraph expressing your views stating if it is inevitable to create regional boundaries. Also express your concern over the impact on the lives of the people who are forced to leave their countries to start afresh.

SECOND TERM

Reading Comprehensions

- MCB - 1. The Way Through the Woods
2. Across the Sahara on a Bicycle
LR - 3. Words to a Grandchild

Writing Skills

1. Dialogue Writing
2. Display Advertisement Writing
3. Guided Story Writing
4. Speech Writing

Grammar

1. Phrases and Clauses
2. Relative Clauses
3. Determiners
4. Articles
5. Modals
6. The Present Tense
7. The Past Tense
8. The Future Tense
9. Direct and Indirect Speech
10. Prepositions
11. Conjunctions
12. Punctuation
13. Grammar on the Go
14. Idioms and Phrasal Verbs
15. Words: A Mixed Bag
16. Test II, III

Literature and Long Reading Text

- MCB - 1. Prayer of a Sportsman (Poem)
2. A Ballad of Sir Pertab Singh (Poem)
3. Mother Nature's Treasures (Poem)
LR - 4. The Last Leaf

5. Clues on Canvas
6. Packing for Travel
7. Huck Finn Goes Hunting for News
8. The Adventure of the Blue Carbuncle

N.B.: Diary entry from the following chapter is to be done in class and assessed in literature section as long answer (80-100 words)

1. Packing for Travel

The Hound of the Baskervilles - Chapters 8 to 15

Note: There will be separate assessments of listening and speaking skills.

Listening Activities to be taken up in the term -

MCB - 1. Partition (Pg. 24)

2. A Girl's Incredible Journey from Syria (Pg. 35)
3. Across the Sahara on a Bicycle (Pg. 110)
4. Raymond's Run (Pg. 153)

Creative Writing (Expressions)

1. "And I felt as though I had indeed the ability to understand and share others' feelings....." Think of a time when someone empathized with you or you empathized with someone around you irrespective of their social, economic or religious backgrounds. Refer to the chapter 'Partition' (MCB) and write a letter to your friend, narrating the incident in your own words.

2. Winning is important to everyone. Does sportsmanship apply only to the field of sports? Refer to the lesson 'Raymond's Run' (MCB) and create an interesting short story in about 120 words, expressing your views. Also illustrate it beautifully.

3. In the lesson, 'A Girl's Incredible Journey from Syria' (MCB) when Nujeen was in Syria, she had never got down from her fifth-floor apartment as there was no lift in it. She never attended school but learnt to speak English by watching T.V. What inspiration do you draw from her story?

हिंदी

हिंदी शिक्षण का उद्देश्य :

1. भाषा की बारीकी और सौन्दर्यबोध की क्षमता का विकास करना ।
2. दृश्य या श्रव्य माध्यमों की सामग्री को पढ़कर, देखकर और सुनकर समझने तथा उस पर स्वतंत्र व स्वाभाविक मौखिक एवं लिखित प्रतिक्रिया व्यक्त करने की क्षमता का विकास करना।
3. विभिन्न साहित्यिक विधाओं का आनंद उठाने की क्षमता का विकास करना ।
4. पठित, लिखित और सुने हुए भाषिक ज्ञान से संबंधित सामग्री का तार्किक दृष्टि से अध्ययन करने की प्रवृत्ति का विकास करना ।

5. अपने भावों व विचारों को सहज, स्वाभाविक और शुद्ध अभिव्यक्त करने की क्षमता का विकास करना ।
6. शब्दों, मुहावरों, लोकोक्तियों का सुचिंतित प्रयोग करने की क्षमता का विकास करना ।
7. मौखिक एवं लिखित अभिव्यक्ति के संदर्भ और आवश्यकता के अनुसार समुचित भाषा-शैली व प्रयोग को चुनने की समझ का विकास करना ।
8. भाषा की नियमबद्ध प्रकृति को पहचानना और उसका विश्लेषण करना ।

नोट. 1. प्रत्येक पाठ से शब्दार्थ, प्रश्नोत्तर और निबंधात्मक प्रश्न करवाए जाएँगे ।

2. परीक्षा में पाठ के मध्य से प्रश्न पूछे जाएँगे, अतः पाठ को ध्यानपूर्वक पढ़ना आवश्यक है।

- पाठ्य पुस्तकें -**
1. वसंत (भाग- 3) (एन.सी.ई.आर.टी)
 2. गजमुक्ता की तलाश (सी.बी.टी प्रकाशन)
 3. परिचय हिंदी व्याकरण एवं रचना भाग-8 (एकलव्य लर्नर्स पब्लिशिंग)

प्रथम-सत्र

वसंत भाग - 3

- गद्य पाठ -**
1. लाख की चूड़ियाँ
 2. बस की यात्रा

- पद्य पाठ -**
1. कबीर की साखियाँ
 2. दीवानों की हस्ती
 3. भगवान के डाकिए

पूरक पुस्तक -

गजमुक्ता की तलाश - 'मार्ग में सैनिक' से 'मोरों वाली हवेली' तक (पृष्ठ संख्या 3-43)

- व्याकरण -**
1. वर्ण-विचार
 2. संज्ञा
 3. संज्ञा के विकार (लिंग, वचन, कारक)
 4. शब्द-निर्माण (उपसर्ग एवं प्रत्यय)
 5. सर्वनाम

6. विशेषण
7. पर्यायवाची शब्द (1-20)
8. विलोम शब्द (खरीदना से उत्थान तक)
9. अनेकार्थक शब्द (1-10)
10. मुहावरे (1-15)
11. वाक्यांश के लिए एक शब्द (1-15)

- रचना कौशल** - 1. अपठित-गद्यांश - पहाड़ से ऊँचा आदमी (वसंत)
2. अपठित काव्यांश/ पद्यांश - कदम मिलाकर चलना होगा (वसंत)
 3. संवाद-लेखन - 2
 4. विज्ञापन- रचना - 2
 5. चित्र-वर्णन - 2
 6. पत्र-लेखन - 2 (अनौपचारिक एवं औपचारिक)
 7. निबंध-लेखन - 2

ग्रीष्मावकाश प्रयोज्यकार्य हेतु - पानी की कहानी (वसंत)

द्वितीय-सत्र

वसंत भाग- 3

- गद्य पाठ** - 1. क्या निराश हुआ जाए
2. बाज और साँप
 3. जहाँ पहिया है
- पद्य पाठ** - 1. सूरदास के पद
2. यह सबसे कठिन समय नहीं
 3. सुदामाचरित

पूरक पुस्तक -

गजमुक्ता की तलाश-‘गलियों में धूम’ से ‘केसरबाग के भीतर’ तक (पृष्ठ संख्या 43-103)

- व्याकरण** - 1. क्रिया (संरचना के आधार पर)
2. काल

3. अविकारी शब्द
4. वाक्य (वाक्य के अंग)
5. विराम-चिह्न
6. पर्यायवाची शब्द (21-40)
7. विलोम-शब्द (ऊपर से अचल तक)
8. मुहावरे (16-30)

- रचना कौशल** - 1. अपठित-गद्यांश - हम पृथ्वी की संतान (वसंत)
2. अपठित-काव्यांश/ पद्यांश - पिता के बाद (वसंत)
 3. संवाद-लेखन - 2
 4. विज्ञापन- रचना - 2
 5. चित्र-वर्णन - 2
 6. पत्र-लेखन - 2 (अनौपचारिक एवं औपचारिक)
 7. निबंध-लेखन - 2

शीतावकाश प्रयोज्यकार्य हेतु - अकबरी लोटा (वसंत)

FRENCH

Learning Objectives

1. To enhance the level of the students both in written and spoken French.
2. To enable the students to express themselves more effectively, naturally and correctly in the productive skill of writing.
3. To enhance the level of vocabulary and strengthen their concepts of grammar.
4. To enable the students to write in an appropriate style for communication purposes.
5. To develop basic understanding, conjugation of verbs in present, past and future tense, articles, prepositions, conjunctions, adjectives, imperatives and different expressions.
6. To use an appropriate style and format to write messages.
7. To implement different strategies to make learning French an enjoyable and interesting experience.
8. To acquaint them with French culture and civilisation.

Textbook : Mon Passeport pour le monde-3

Workbook: Cahier d'activités-3

Dictionary: Collins Gem

General note:

Questions from within the lessons and related to Culture and Civilisation of France will be asked in the exams/tests, so the students must ensure a thorough reading of the text.

FIRST TERM

Detailed study

Textbook- Leçon 1: Les monuments et les musées parisiens
Leçon 2 : Les vrais amis
Leçon 3 : La vie au collègue
Leçon 4 : La journée d'Elena
Leçon 6 : Les fêtes françaises

Workbook: Leçons-1, 2, 3, 4, 6.

Grammar:

1. Les adjectifs qualificatifs
2. Placement des adjectifs
3. Les verbes en «tir»
4. L'interrogation (en trois formes et avec Si)
5. Adverbes de quantité
6. Les verbes pronominaux
7. Quelle heure est-il?
8. Les prépositions
9. Les verbes (pg 77)

SECOND TERM

Detailed study

Textbook- Leçon 7: La fête de la francophonie
Leçon 8 : La nouvelle génération
Leçon 9 : On prépare la fête
Leçon 10 : Journée de clôture
Leçon 11 : Qu'est-ce que tu as fait le week-end?

Workbook: Leçon 7, 8, 9, 10, 11.

Grammar:

1. Les prépositions de lieux
2. Les verbes (pgs 87, 98, 110)
3. Les adverbes interrogatifs
4. Les adjectifs interrogatifs
5. L'impératif (affirmatif/ négatif/ pronominaux)
6. Les verbes savoir et connaître
7. Le passé composé avec avoir et être

MATHEMATICS

Learning Objectives

Teaching of Mathematics helps the learners to

- acquire knowledge and understanding of the terms, symbols, concepts, principles, processes, proofs etc.
- consolidate the Mathematical knowledge and skills acquired at the primary level.
- develop mastery of basic algebraic skills.
- develop drawing skills.
- apply Mathematical knowledge and skills to solve real life problems by developing abilities to analyze, to see interrelationship involved, to think and reason.
- develop interest in Mathematics as a problem solving tool in various fields.
- develop reverence and respect towards great Mathematicians, particularly towards the Indian Mathematicians for their contributions to the field of Mathematics.

Textbook: Mathematics Textbook for Class VIII (NCERT)

Practice Book: Practice and More Mathematics (Ratna Sagar) Class 8

FIRST TERM

Chapter-1: Rational Numbers

- Introduction
 - Properties of Rational Numbers
- Ex. 1.1 with examples

Practice Book: Page 3 to 8, 10 and 11

Chapter-2: Linear Equations in One Variable

- Introduction
 - Solving Equations having the Variable on both Sides
 - Reducing Equations to Simpler Form
- Ex. 2.1 and 2.2 with examples

Practice Book: Page 12 to 15, 17 and 18

Chapter-3: Understanding Quadrilaterals

- Introduction
 - Sum of the Measures of the Exterior Angles of a Polygon
 - Kinds of Quadrilaterals
 - Some Special Parallelograms
- Ex. 3.1 to 3.4 with examples

Practice Book: Page 19 to 28

Chapter-4: Data Handling

- Looking for Information
 - Circle Graph or Pie Chart
 - Chance and Probability
- Ex. 4.1 and 4.2 with examples

Practice Book: Page 33, 38, 39 and 41

Chapter-5: Squares and Square Roots

- Introduction
- Properties of Square Numbers
- Some More Interesting Patterns
- Finding the Square of a Number
- Square Roots
- Square Roots of Decimals

Ex. 5.1 to 5.4 with examples

Practice Book: Page 42 to 50

Chapter-6: Cubes and Cube Roots

- Introduction
- Cubes
- Cube Roots

Ex. 6.1 and 6.2 with examples

Practice Book: Page 51 to 57

Chapter-7: Comparing Quantities

- Recalling Ratios and Percentages
- Finding Discounts
- Sales Tax / Value Added Tax / Goods and Services Tax
- Compound Interest
- Deducing a Formula for Compound Interest
- Applications of Compound Interest Formula

Ex. 7.1 to 7.3 with examples

Practice Book: Page 58 to 62, 64 to 67

Vedic Mathematics

1. Solving equations of the type $ax + b = cx + d$ by Parvartya Yojayat Method.
2. Solving equations of the type $\frac{ax+b}{cx+d} = \frac{m}{n}$ by Parvartya Yojayat Method.
3. Division of 4 and 5 digit numbers by 9 using Nikhilam Sutra.
4. Multiplication of numbers with special case using Antyayordasake pi method.

SECOND TERM

Chapter-8: Algebraic Expressions and Identities

- Addition and Subtraction of Algebraic Expressions
- Multiplication of Algebraic Expressions : Introduction
- Multiplying a Monomial by a Monomial
- Multiplying a Monomial by a Polynomial
- Multiplying a Polynomial by a Polynomial

Ex. 8.1 to 8.4 with examples

Practice Book: Page 68 to 72, 74 and 75

Chapter-9: Mensuration

- Introduction
- Area of a Polygon
- Solid Shapes

- Surface Area of Cube, Cuboid and Cylinder
 - Volume of Cube, Cuboid and Cylinder
 - Volume and Capacity
- Ex. 9.1 to 9.3 with examples
- Practice Book:** Page 87 to 96

Chapter-10: Exponents and Powers

- Introduction
 - Powers with Negative Exponents
 - Laws of Exponents
 - Use of Exponents to Express Small Numbers in Standard Form
- Ex. 10.1 and 10.2 with examples
- Practice Book:** Page 97 to 102

Chapter-11: Direct and Inverse Proportions

- Introduction
 - Direct Proportion
 - Inverse Proportion
- Ex. 11.1 and 11.2 with examples
- Practice Book:** Page 103 to 107

Chapter-12: Factorisation

- Introduction
 - What is Factorisation?
 - Division of Algebraic Expressions
 - Division of Algebraic Expressions Continued
(Polynomial \div Polynomial)
- Ex. 12.1 to 12.3 with examples
- Practice Book:** Page 108 to 111, 113 and 114

Chapter-13: Introduction to Graphs

- Introduction
 - Some Applications
- Ex. 13.1 and 13.2 with examples
- Practice Book:** Page 115 to 117, 120 to 122

Vedic Mathematics

1. Finding squares of numbers ending in 5 by Ekadhikena Purvena Sutra.
2. Finding HCF of algebraic expressions of the type:
($ax^2 + bx + c$) and ($ax^2 + dx + e$) by Lopana Sthapana Sutra.
3. Multiplication of any number by 12 using Urdhava Tiryak Sutra.
4. Finding squares of numbers not ending in 5 by Ekadhikena Purvena Sutra.

SCIENCE

Learning Objectives

- to strengthen the knowledge acquired at primary level
- to emphasize the acquisition of scientific knowledge

- to appreciate nature and sensitise the students about the environment.
- to understand scientific language i.e. symbols, formulae, equations etc.
- to develop scientific aptitude/temper
- to apply the theoretical knowledge of science to daily life
- to make the students abreast with the latest technological developments that have taken place and their impact on the society
- to enable the students to develop the process of problem solving and decision making

Textbook : Science textbook for Class VIII (NCERT)

Assignment Book : Science Exemplar Problems for Class VIII (NCERT)

PHYSICS

FIRST TERM

Chapter-8: Force and Pressure

Force : A push or a pull, forces are due to an interaction, exploring forces, a force can change the state of motion, force can change the shape of an object, contact forces, non-contact forces, pressure, pressure exerted by liquids and gases, atmospheric pressure.

Chapter-9: Friction

Force of friction, factors affecting friction, Friction: A necessary evil, increasing and reducing friction, wheels reduce friction, fluid friction.

Chapter-10: Sound

Sound is produced by a vibrating body, sound produced by humans, sound needs a medium for propagation, we hear sound through our ears, amplitude, time period and frequency of a vibration, audible and inaudible sounds, noise and music, noise pollution.

SECOND TERM

Chapter-11: Chemical Effects of Electric Current

Do liquids conduct electricity? Chemical effects of electric current, electroplating.

Chapter-12: Some Natural Phenomena

Lightning, charging by rubbing, types of charges and their interaction, transfer of charge, the story of lightning, lightning safety, earthquakes.

Chapter-13: Light

What makes things visible? Laws of reflection, regular and diffused reflection, reflected light can be reflected again, multiple images, sunlight - white or coloured, what is inside our eyes? care of the eyes, visually impaired persons can read and write, what is the braille system?

CHEMISTRY

FIRST TERM

Chapter-3: Coal and Petroleum

Coal, petroleum, natural gas, some natural resources are limited.

SECOND TERM

Chapter-4: Combustion and Flame

What is combustion? How do we control fire? Types of combustion, flame, structure of flame, what is a fuel? Fuel efficiency.

BIOLOGY

FIRST TERM

Chapter-1: Crop Production and Management

Agricultural practices, basic practices of crop production, preparation of soil, sowing, adding manures and fertilizers, irrigation, protection from weeds, harvesting, storage, food from animals.

Chapter-2: Microorganisms: Friend and Foe

Microorganisms, where do microorganisms live? Microorganisms and us, harmful microorganisms, food preservation, nitrogen fixation, nitrogen cycle.

SECOND TERM

Chapter-5: Conservation of Plants and Animals

Deforestation and its causes, consequences of deforestation, conservation of forest and wildlife, biosphere reserve, flora and fauna, endemic species, wildlife sanctuary, national park, red data book, migration, recycling of paper, reforestation.

Chapter-6: Reproduction in Animals

Modes of reproduction, sexual reproduction, asexual reproduction.

Chapter-7: Reaching the Age of Adolescence

Adolescence and puberty, changes at puberty, secondary sexual characters, role of hormones in initiating reproductive function, reproductive phase of life in humans, how is the sex of the baby determined? Hormones other than sex hormones, role of hormones in completing the life history of insects and frogs, reproductive health.

SOCIAL SCIENCE

Learning Objectives

The course in Social Science will help learners:

- develop an understanding of the processes of change and development - both in terms of time and space, through which human societies have evolved.
- deepen the knowledge and understanding of environment in its totality, their interactive processes and effects on the future life of people.
- develop scientific temper by promoting the spirit of enquiry and following rational and objective approach in analysing and evaluating data and information as well as views and interpretations.

Textbooks:

1. Our Pasts-III: Textbook in History for Class VIII (NCERT)
2. Social and Political Life-III: Textbook for Class VIII (NCERT)
3. Resources and Development: Textbook in Geography for Class VIII (NCERT)
4. Atlas - Oxford School Atlas

FIRST TERM

Our Pasts-III

Chapter-1: Introduction: How, When and Where

Chapter-2: From Trade to Territory (The Company Establishes Power)

Map Work: World Political Map - Sea route to India via Cape of Good Hope; continent where slave trade began; continent from where British, French & Portuguese came; Portuguese base in India.

India Political Map – Important Battles –Plassey, Buxar, Area ruled by Ranjit Singh, Place ruled by Tipu Sultan, Areas annexed by Doctrine of Lapse and Subsidiary Alliance.

Chapter-3: Ruling the Countryside

Map Work: India Political Map – Place where movement against Indigo plantation started; State where famine in 1770 took place; Place governed by Thomas Munro; State where Kalamkari weavers were found; State where indigo was cultivated in India before the revolt.

Chapter-4: Tribals, Dikus and the Vision of a Golden Age (**PROJECT**)

SOCIAL AND POLITICAL LIFE III

Chapter-1: The Indian Constitution

Chapter-2: Understanding Secularism

Chapter-3: Parliament and the Making of Laws

Chapter-4: Judiciary

Chapter-7: Public Facilities

RESOURCES AND DEVELOPMENT

Chapter-1: Resources

Chapter-2: Land, Soil, Water, Natural Vegetation and Wildlife Resources

Diagram: Soil Profile

Map Work: Continents and Oceans

SECOND TERM

Our Pasts-III

Chapter-5: When People Rebel (1857 and After)

Map Work: India Political Map: Main centres of the Revolt of 1857; Place ruled by Rani Lakshmbai.

Chapter-6: Civilising the “Native”, Educating the Nation (**PROJECT**)

Chapter-7: Women, Caste and Reform

Map Work: India Political Map - Place where Brahma Samaj and Paramhans Mandali were found.

Chapter-8: The Making of the National Movement (1870s–1947)

Map Work: India Political Map – Place where movement against indigo plantation started; Province which got divided in 1905; Place where Jallianwala Bagh massacre took place; Place where Gandhiji broke the Salt Law; Violence at this place led to calling off of Non-Cooperation Movement.

SOCIAL AND POLITICAL LIFE-III

Chapter-5: Understanding Marginalisation

Chapter-6: Confronting Marginalisation

Chapter-8: Law and Social Justice

RESOURCES AND DEVELOPMENT

Chapter-3: Agriculture

Map Work: World Political Map - Leading producers of jute, cotton, tea, coffee, rice, wheat, millets.

Chapter-4: Industries

Map Work: World Political Map - Countries which have Iron & Steel Industry; Great Lakes. India Political Map - States producing steel.

Chapter-5: Human Resources

Map Work: World Political Map - Most sparsely populated country; Most populous country; Densely populated continents

COMPUTER SCIENCE

Learning Objectives

- to enhance the knowledge of website designing using HTML
- to familiarize the students with the concepts of Computer Networks, Artificial Intelligence
- to develop basic skills of programming using Python.

Textbook - Code AI - IT Planet (Class 8)

FIRST TERM

Lesson 1 : Computer Network

- Communication
- Computer Network
- Types of Network
- Network Hardware
- Communication Channels
- Network Architecture
- Network Topology
- Protocol

Lesson 3 : E-Commerce and Blogging

- E-Commerce
- E-Commerce Business Models

- E-Retailing
- Security Concern
- Top E-Commerce Websites
- Blogging

Lesson 5 : HTML5- Form and Multimedia

- HTML
- Creating Forms
- Adding Multimedia

SECOND TERM

Lesson 8 : Python - Looping and Tkinter GUI

- Loop
- Types of Loops
- Tkinter

Lesson 9- Data Science-An Introduction

- Data, Information and Database
- Data Science

Lesson 10 : Future Possibilities of AI

- Evolution of Artificial Intelligence
- Ethical Concerns Related to Implications of AI

For Practical Sessions only

Lesson 4 : MySQL

Lesson 7 : App Development-Thunkable

GENERAL KNOWLEDGE

Learning Objectives

The course in General Knowledge will help learners:

- grow both on personal as well as academic level.
- improve their reasoning and thinking skills.
- prepare for competitive exams.
- understand and analyse the situations.

Textbook: GK Planet – 8 (PMP Planet)

FIRST TERM

Unit -1: Flora and Fauna

1. Himalayan Trees
2. Endangered Plants
3. Bizarre Insects
4. Self- defense in Animal

Unit -2: Science and Technology

5. Common Diseases
6. Modern Gadgets
7. Coronavirus
8. People from Cyber World

Unit-3 Exploring India

9. Judicial System in India
10. Modern India
11. Inspiring Women
12. New Union Territories

Unit- 4 Exploring the World

13. North America
14. Royal Heads of Nations
15. World History Timeline
16. Major International Airports

ASSIGNMENT- I

Unit- 5 Sports and Entertainment

17. Tokyo Olympic 2020
18. Sports Legends
19. First from Bollywood
20. Performing Arts in India

Unit- 6 Language and Literature

21. Characters and their Creators
22. Eponyms
23. World Literary Awards
24. Famous Indian Pen Masters

Unit-7 Mental Ability

25. Mind Benders
26. Verbal Reasoning
27. Data Interpretation

Unit- 8: Life Skill and Personality Development

28. Art of Public Speaking
29. Computational Thinking
30. Organic Farming

ASSIGNMENT -II

- Quiz Contest -1

SECOND TERM

Unit-1 Flora and Fauna

- 31. Polar Plants
- 32. Unique Trees
- 33. Desert Animals
- 34. Extinct Animals

Unit – 2 Science and Technology

- 35. Indian Global Tech Executives
- 36. Milestones in Medication
- 37. Measuring Instruments
- 38. Great Mathematicians

Unit – 3 Exploring India

- 39. Andaman and Nicobar Islands
- 40. Electoral System
- 41. The Power of India
- 42. Sobriquets of Cities

Unit-4 Exploring the World

- 43. The United Nations
- 44. Australia
- 45. Women Power
- 46. Intelligence Agencies

ASSIGNMENT- III

Unit-5 Sports and Entertainment

- 47. Commonwealth Games
- 48. Female Sports Icons
- 49. Academy Awards
- 50. Western Singers

Unit-6 Language and Literature

- 51. Detective in Novels
- 52. Famous Autobiographies
- 53. The World of Drama
- 54. Immortal Words

Unit-7 Mental Ability

- 55. Be Logical
- 56. Non- verbal Reasoning
- 57. Venn-diagram

Unit- 8 Life Skill and Personality Development

58. Lodging an FIR

59. Important Documents

60. AI and SDGs

61. Career Options

ASSIGNMENT- IV

Quiz Contest-II

ART EDUCATION

Learning Objectives-

-Introduce the students to new media and techniques and their use for creative expression and making objects of common use.

-Refine the sense of appreciation of the beauty of nature and the basic elements of art forms.

Textbook –It’s Time to Learn - 8

FIRST TERM

1. Know about colours (Primary, Secondary and Neutral)

2. Basic colouring strokes and techniques.

It’s Time to Learn –8

Pages 4 to 34

SECOND TERM

It’s Time to Learn –8

Pages 35 to 66