

## SYLLABUS

CLASS IX (2023-24)

## ENGLISH

**Text Books:** Interact in English Series by CBSE

- Main Course Book (Revised Edition)
- Literature Reader (Revised Edition)
- Workbook (Revised Edition)

### First Term

#### Literature Reader

##### Prose

1. How I Taught My Grandmother to Read
2. A Dog Named Duke
3. The Man Who Knew Too Much

##### Poetry

1. The Brook
2. The Road Not Taken
3. The Solitary Reaper

##### Drama

Villa for Sale

#### Main Course Book

Unit 1- People

Unit 2- Adventure

Unit 3- Environment

Unit 4- The Class IX Radio and Video Show

#### Workbook

1. Unit-1: Verb Forms
2. Unit-2: Determiners
3. Unit-4: Modals
4. Unit-7: Reported Speech

#### Writing Skills

1. Paragraph Writing
2. Dialogue Writing
3. Notice Writing
4. Informal Letter Writing

## Second Term

### Literature Reader

#### Prose

1. Keeping It from Harold
2. Best Seller

#### Poetry

1. The Seven Ages
2. Oh, I Wish I'd Looked After Me Teeth
3. Song of The Rain

#### Drama

The Bishop's Candlesticks

### Main Course Book

Unit 5- Mystery

Unit 6- Children

Unit 7- Sports and Games

### Workbook

1. Unit-3: Future Time Reference
2. Unit-5: Connectors
3. Unit-6: The Passive
4. Unit-8: Prepositions

### Revision of Writing Skills

1. Paragraph Writing
2. Dialogue Writing
3. Notice Writing
4. Informal Letter Writing

कक्षा - नवीं (2023-24)

हिंदी (बी)

### पाठ्य पुस्तकें :-

1. स्पर्श (भाग-1) एन.सी.ई.आर.टी.
2. संचयन (भाग-1) एन.सी.ई.आर.टी.
3. हिंदी व्याकरण कोर्स 'बी' 9 रचना सागर एडुकेशनल पब्लिशर्स (अभ्यास कार्यपुस्तिका सहित)

## प्रथम-सत्र

### पाठ्य पुस्तक- स्पर्श (भाग-1)

#### गद्य खंड

1. दुख का अधिकार
2. एवरेस्ट : मेरी शिखर यात्रा

#### पद्य खंड

1. पद
2. दोहे
3. गीत-अगीत

### सहायक पुस्तक- संचयन (भाग-1)

1. गिल्लू
2. स्मृति

#### व्याकरण

1. शब्द और पद
2. अनुस्वार, अनुनासिक
3. उपसर्ग, प्रत्यय
4. स्वर संधि
5. विराम-चिह्न
6. अर्थ की दृष्टि से वाक्य-भेद

#### लेखन

1. अनुच्छेद-लेखन
2. अनौपचारिक पत्र - लेखन
3. चित्र-वर्णन
4. संवाद-लेखन

#### अपठित-गद्यांश

## द्वितीय-सत्र

### पाठ्य पुस्तक- स्पर्श भाग-1

#### गद्य खंड

1. तुम कब जाओगे, अतिथि
2. वैज्ञानिक चेतना के वाहक : चंद्रशेखर वेंकट रामन्
3. शुक्रतारे के समान

## पद्य खंड

1. अग्निपथ
2. (i) नए इलाके में  
(ii) खुशबू रचते हैं हाथ

## सहायक पुस्तक-संचयन (भाग-1)

1. कल्लू कुमार की उनाकोटी
2. मेरा छोटा-सा निजी पुस्तकालय

## व्याकरण

प्रथम-सत्र में की गई व्याकरण दोहराई जाएगी।

## लेखन

1. अनुच्छेद-लेखन
2. अनौपचारिक पत्र-लेखन
3. चित्र-वर्णन
4. संवाद-लेखन

अपठित-गद्यांश

## FRENCH

**Textbook: Entre Jeunes Class IX(CBSE)**

### First Term

Leçon-1: La famille

Leçon-2: Au lycée

Leçon-3: Une journée de Pauline

Leçon-4: Les saisons

### **Section -A: Reading Section**

One unseen prose passage (factual / descriptive) (150 words) (with a picture/ diagrammatically represented data)

### **Section -B: Writing Section**

One long composition (Informal letter) (80 words)

Two short compositions: (recipe/ message/ description of a person with visual input and clues)  
(30 -35 words)

### **Section-C Grammar Section**

Demonstrative Adjectives

Verbs (présent , futur proche , futur simple , pronominal verbs, impératif)

Question formation (excluding interrogative adjectives and pronouns)

Negatives (without expressions)

### **Section-D: Culture and Civilization**

Questions based on textbook: Lessons 1-4

Short answer questions

MCQ (True or false/ match the following/ fill in the blanks)

## **Second Term**

Leçon-5: Les voyages

Leçon-6: Les loisirs et les sports

Leçon-7: L'argent de poche

Leçon-8: Faire des achats

### **Section -A: Reading Section**

One unseen prose passage (factual / descriptive) (150 words) (with a picture/ diagrammatically represented data)

### **Section -B: Writing Section**

One long composition (Informal letter) (80 words)

Two short compositions: (recipe/ message/ postcard/ description of a person with visual input and clues) (30 -35 words)

### **Section-C Grammar Section**

Demonstrative Adjectives

Verbs (présent, futur proche , futur simple , pronominal verbs, passé composé, impératif, imparfait)

Question formation (excluding interrogative adjectives and pronouns)

Negatives

Personal pronouns

Simple relative pronouns

### **Section-D: Culture and Civilization**

Questions based on textbook: Lessons 5-8

Short answer questions

MCQ (True or false/ match the following/ fill in the blanks)

## **MATHEMATICS**

**Text Book: Text Book for Class IX (NCERT)**

**Reference Book: Mathematics for Class IX by R.D. Sharma**

### **FIRST TERM**

Unit-I : Number Systems

Chapter-1 : Number Systems

Unit-II : Algebra

Chapter-2 : Polynomials

Unit-III : Coordinate Geometry

Chapter-3 : Coordinate Geometry

Unit-IV : Geometry

Chapter-6 : Lines and Angles

Chapter-7 : Triangles

Unit-V : Mensuration

Chapter-10 : Heron's Formula

### **SECOND TERM**

Unit-II : Algebra (contd....)

Chapter-4 : Linear Equations in Two Variables

Unit-IV : Geometry (contd....)

Chapter-5 : Introduction to Euclid's Geometry

Chapter-8 : Quadrilaterals

Chapter-9 : Circles

Unit-V : Mensuration (contd....)

Chapter-11 : Surface Areas and Volumes

Unit-VI : Statistics and Probability

Chapter-12 : Statistics

## **SCIENCE**

**Textbook:** 1) Science Textbook for Class IX (NCERT)

2) Lab Manual: Science Lab Manual (Arya publications)

3) Science Exemplar Problems- Class – IX (NCERT)

### **FIRST TERM**

#### **PHYSICS:**

Chapter 7: Motion

Chapter 8: Force and Laws of Motion

Chapter 9: Gravitation (till the topic – Mass & Weight; till page number 105)

#### **Practicals**

1. Verification of the laws of reflection of sound.
2. Determination of the density of solid (denser than water) by using a spring balance and a measuring cylinder.

#### **CHEMISTRY**

Chapter 1: Matter in Our Surroundings

Chapter 2: Is Matter Around us Pure?

#### **Practicals**

1. Preparation of a true solution, a suspension and a colloidal solution.
2. Preparation of a mixture and a compound using iron powder and sulphur powder.
3. Perform the reactions and classify them.
4. To determine the melting point of ice and boiling point of water.

#### **BIOLOGY:**

Chapter 5: The Fundamental Unit of Life

Chapter 6: Tissues (till page number 64)

#### **Practicals**

1. Preparation of stained temporary mounts of (a) onion peel, (b) human cheek cells & to record observations and draw their labelled diagrams.
2. Identification of Parenchyma, Collenchyma and Sclerenchyma tissues in plants, Striped, Smooth and Cardiac muscle fibres and Nerve cells in animals, from prepared slides. Draw their labelled diagrams.

## **SECOND TERM**

### **PHYSICS:**

Chapter 9: Gravitation- Floatation

Chapter 10: Work and Energy

Chapter 11: Sound

#### **Practicals**

1. Establishing 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.

2. Determination of the speed of a pulse propagated through a stretched string/slinky (helical spring).

### **CHEMISTRY:**

Chapter 3: Atoms and Molecules

Chapter 4: Structure of the Atom

#### **Practicals**

1. Verification of Laws of Conservation of mass in a chemical reaction.

### **BIOLOGY:**

Chapter 6: Tissues (from page number 65-71)

Chapter 12: Improvement in Food Resources



## **SOCIAL SCIENCE**

### **Textbooks:**

History: India and the Contemporary World-I

Geography- Contemporary India-I

Political Science- Democratic Politics- I

Economics- Economics, textbook for class IX

Disaster Management : Together Towards a Safer India – Part II, A textbook on Disaster Management for class –IX (only through project and assignments)

### **FIRST TERM**

#### **HISTORY**

Chapter-1 The French Revolution

Chapter-2 Socialism in Europe and the Russian Revolution

Chapter-4 Forest Society and Colonialism

#### **GEOGRAPHY**

Chapter-1 India- Size and Location

Chapter-2 Physical Features of India

Chapter-3 Drainage

#### **POLITICAL SCIENCE**

Chapter-1 What is Democracy? Why Democracy?

Chapter-2 Constitutional Design

#### **ECONOMICS**

Chapter-1 The Story of Village Palampur

Chapter-2 People as Resource

### **SECOND TERM**

#### **HISTORY**

Ch-3 Nazism and the Rise of Hitler

Ch-5 Pastoralists in the Modern World

#### **GEOGRAPHY**

Ch- 4 Climate

Ch-5 Natural Vegetation and Wildlife

Ch-6 Population

#### **POLITICAL SCIENCE**

Ch-3 Electoral Politics

Ch-4 Working of Institutions

Ch-5 Democratic Rights

## **ECONOMICS**

Ch- 3 Poverty as a Challenge

Ch-4 Food Security in India

## **PAINTING**

### **FIRST TERM**

**Textbooks:** Panaromic Indian Painting

THEORY-

UNIT-1

1. Fundamentals of Visual Arts.

Chapter-1:The Elements of Art

UNIT -II

Methods & Materials of Painting

Chapter- 3 Understanding and appropriate use of tools

Chapter- 4 Understanding and appropriate use of Painting materials – Poster colours, Water colours, Oil pastels, and Pencils.

### **SECOND TERM**

Chapter- 6 Story of Indian Art

Appreciation of Indian Art covering selected Painting and Architectural Glimpses

Painting – Wizard Dance (Bhimbhetka)

Sculpture – Yaksha &Yakshi at R.B.I New Delhi

Architecture – Sun Temple( Konark , Odisha)

INDIAN FOLK ART

Alpana, Rangoli and Mandana

## **Computer Applications**

### **FIRST TERM**

Textbook: Computer Applications for Class IX Blueprint Education.

**Unit 1: Basics of Information Technology**

- Computer Systems: characteristics of a computer, components of a computer system – CPU, memory, storage devices and I/O devices
- Memory: primary (RAM and ROM) and secondary memory
- Storage devices: hard disk, CD ROM, DVD, pen/flash drive, memory stick
- I/O devices: keyboard, mouse, monitor, printer, scanner, web camera
- Types of software: system software (operating system, device drivers), application software including mobile applications
- Computer networking: Type of networks: PAN, LAN, MAN, WAN, wired/wireless communication, Wi-Fi, Bluetooth, cloud computers (Private/public)
- Multimedia: images, audio, video, animation

### **Unit 3: Office tools**

- Introduction to a word processor: create and save a document.
- Edit and format text: text style (B, I, U), font type, font size, text colour, alignment of text. Format paragraphs with line and/or paragraph spacing. Add headers and footers, numbering pages, grammar and spell check utilities, subscript and superscript, insert symbols, use print preview, and print a document.
- Insert pictures, change the page setting, add bullets and numbering, borders and shading, and insert tables – insert/delete rows and columns, merge and split cells.
- Use auto-format, track changes, review comments, use of drawing tools, shapes and mathematical symbols.

## **SECOND TERM**

### **Unit 2: Cyber-safety**

- Safely browsing the web and using social networks: identity protection, proper usage of passwords, privacy, confidentiality of information, cyber stalking, reporting cyber crimes
- Malware: Viruses, adware

### **Unit 3: Office tools**

- Presentation tool: understand the concept of slide shows, basic elements of a slide, different types of slide layouts, create and save a presentation, and learn about the different views of a slide set – normal view, slide sorter view and handouts.
- Edit and format a slide: add titles, subtitles, text, background, and watermark, headers and footers, and slide numbers.
- Insert pictures from files, create animations, add sound effects, and rehearse timings.
- Spreadsheets: concept of a worksheet and a workbook, create and save a worksheet.
- Working with a spreadsheet: enter numbers, text, date/time, series using auto fill; edit and format a worksheet including changing the colour, size, font, alignment of text; insert and delete cells, rows and columns. Enter a formula using the operators (+, -, \*, /), refer to cells, and print a worksheet.
- Use simple statistical functions: SUM (), AVERAGE (), MAX (), MIN (), IF () (without compound statements); embed charts of various types: line, pie, scatter, bar and area in a worksheet.