



# BOYS' HIGH SCHOOL AND COLLEGE, PRAYAGRAJ

## SYLLABUS (2020 – 2021)

(As per the revised ICSE Syllabus)

### CLASS – IX

**Note:-** Students should refer to the Council website: [www.cisce.org](http://www.cisce.org) for the revised ICSE Syllabus

#### ENGLISH LANGUAGE

Book: Total English -9 by Pamela Pinto and Xavier Pinto

##### **Half Yearly:-**

1. Interchange of Sentences
2. Articles
3. Prepositions
4. Comparison of Adjectives
5. Time and Tense – I
6. Time and Tense – II
7. The Sequence of Tenses
8. Notice, E-mail, Letter Writing, Composition and Comprehension

Lesson: 1 to 8

##### **Final Term:-**

1. Agreement of Verb with Subject
2. Direct and Indirect Speech
3. Active and Passive Voice
4. Transformation of Sentences – 1
5. Conditional Sentences
6. Word Order
7. Transformation of Sentences – 2
8. Synthesis of Sentences
9. Notice, E-mail, Letter Writing, Composition and Comprehension

Lesson: 9 to 15

*(Half Yearly Syllabus will be included)*

##### **Project**

1. Oral and Aural I
2. Oral and Aural II
3. Oral and Aural III

#### ENGLISH LITERATURE

Books: 1. Treasure Trove (A Collection of ICSE Poems and Short Stories)

2. The Merchant of Venice – William Shakespeare  
*(Ratna Sagar)*

##### **Half Yearly:-**

Prose: 1. A Face in the Dark – Ruskin Bond  
2. Old Man at the Bridge – Ernest Hemingway

Poetry: 1. The Cold Within – James Patrick Kinney  
2. After Blenheim – Robert Southey

Drama: The Merchant of Venice Act I – Scene 1, 2 and 3  
Act – II Scene 1, 2, 3, 4 and 5

##### **Final Term:-**

Prose: 1. A Horse and Two Goats – R.K. Narayan  
2. Hearts and Hands – O. Henry  
3. An Angel in Disguise – T. S. Arthur

Poetry: 1. The Bangle Sellers – Sarojini Naidul.  
2. Television – Roald Dahl  
3. Daffodils – William Wordsworth

Drama: The Merchant of Venice Act II Scene 6, 7, 8 and 9  
Act III Scene 1

*(Note: Half Yearly Syllabus will be included)*

#### **PROJECT TOPICS**

Answer the following questions within the word limit assigned to each question.

1. Considering 'friendship and loyalty' as one of the most important themes of the play, 'The Merchant of Venice', throw light on the special bond of friendship between Antonio and Bassanio and Portia's unflinching loyalty to her father. (Word limit 400 to 500 words)

2. With reference to the poem 'Daffodils', explain how Wordsworth has presented ordinary things to the mind, in an unusual way. Bring out the transition from poet's pensive mood to his heart filled with joy.  
(Word limit 400 to 500 words)

3. In the story 'An Angel in Disguise', how has T. S. Arthur shown that selflessness and compassion bring happiness not only to others but also for oneself? How is Joe Thompson also an angel in disguise for Maggie?  
(Word limit 400 to 500 words)

#### MATHEMATICS

Book:- Concise Mathematics for Class IX – Selina

##### **Half Yearly:-**

- Ch. 1 Rational and Irrational Numbers
- Ch. 2 Compound Interest (Without Using Formula)
- Ch. 3 Compound Interest (Using Formula)
- Ch. 4 Expansions
- Ch. 5 Factorisation
- Ch. 6 Simultaneous (Linear) Equations (Including Problems)
- Ch. 9 Triangles (Congruency in Triangles)
- Ch. 10 Isosceles Triangles
- Ch. 12 Mid-point and Its Converse
- Ch. 14 Rectilinear Figures

##### **Final Term:-**

- Ch. 20 Area and Perimeter of Plane Figures
- Ch. 27 Graphical Solution (Solution of Simultaneous Linear Equations, Graphically)
- Ch. 7 Indices (Exponents)
- Ch. 13 Pythagoras Theorem (Proof and Simple Applications)
- Ch. 17 Circle
- Ch. 18 Statistics
- Ch. 19 Mean and Median (For ungrouped data only)
- Ch. 21 Solids (Surface Area and Volume of 3-D Solids)
- Ch. 22 Trigonometrical Ratios
- Ch. 23 Trigonometrical Ratios of Standard Angles
- Ch. 24 Solution of Right Triangles
- Ch. 25 Complementary Angles
- Ch. 26 Co-ordinate Geometry
- Ch. 28 Distance Formula

*(Note: Half Yearly Syllabus will be included)*

##### **Project – 1**

Questions based on Expansion, Factorisation, Rational and Irrational Numbers and Congruency of Triangles.

##### **Project – 2**

To survey a group of 20 people and compare their height and weight using histogram.

#### PHYSICS

Book: S. Chand's ICSE Physics – Book – I by Pankaj Bhatt

##### **Half Yearly:-**

- Ch. 1 Measurement and Experimentation
- Ch. 2 Motion in One Dimension
- Ch. 5 Heat and Energy
- Ch. 6 Light

##### **Final Term:-**

- Ch. 3 Newton's Laws of Motion
- Ch. 4 Fluids
- Ch. 7 Sound
- Ch. 8 Electricity and Magnetism

**NOTE:-** Final Examination will include the complete Syllabus)

(Note: Half Yearly Syllabus will be included)

Practical

6 Practicals to be done

### **CHEMISTRY**

Book: S. Chand's ICSE Chemistry Book – I by B.S. Bisht, R.D. Madan, Nelson A. Petrie

**Half Yearly:-**

Ch. 7 Study of Gas Laws

Ch. 1 The Language Of Chemistry

Ch. 2 Chemical Changes and Reactions

**Final Term:-**

Ch. 3 Water

Ch. 4(A) Atomic Structure

Ch. 4(B) Chemical Bonding

Ch. 5 The Periodic Table

Ch. 6 Study of the First Group Element: Hydrogen

(Note: Half Yearly Syllabus will be included)

Practical

Lab Manual

Half Yearly - 4 Practicals

Finals - 3 Practicals

### **BIOLOGY**

Book: Concise Biology (ICSE) For Class IX By H.S. Vishnoi

**Half Yearly:-**

Ch. 2 Cell: The Unit of Life

Ch. 3 Tissues: Plant and Animal Tissues

Ch. 4 The Flower

Ch. 5 Pollination and Fertilization

Ch. 6 Seeds – Structure and Germination

Ch. 7 Respiration in Plants

**Final Term:-**

Ch. 9 Economic Importance of Bacteria and Fungi

Ch. 10 Nutrition

Ch. 11 Digestive System

Ch. 12 Skeleton: Movement and Locomotion

Ch. 13 Skin: The Jack of All Trades

Ch. 14 The Respiratory System

(Note: Half Yearly Syllabus will be included)

Practical

Lab Manual

Half Yearly - 4 Practicals

Finals - 4 Practicals

### **GEOGRAPHY**

Book: Candid – ICSE Discovering The World – 9

K.S. Randhawa

**Half Yearly:-**

Ch. 2 Geographic Grid – Latitudes and Longitudes

Ch. 3 Rotation and Revolution of the Earth

Ch. 4 Earth's Structure

Ch. 6 Rocks

Ch. 7 Volcanoes

**Final Term:-**

Ch. 8 Earthquakes

Ch. 9 Weathering (Denudation is not included)

Map Work:- Physical Map of the World of Oceans, Seas, Gulfs, Bays and Straits, Rivers, Mountains and Plateaus.

Diagrams related to the above chapters.

Ch. 10 Hydrosphere, Tides and Ocean Currents

Ch. 11 The Atmosphere

Ch. 12 Insolation

Ch. 13 Pressure Belts and Types of Winds

Ch. 14 Humidity

Ch. 15 Pollution and its Sources

Ch. 16 Effects of Pollution

Ch. 17 Preventive Measures of Pollution

Ch. 18 Natural Regions of the World I (Equatorial Region only)

Ch. 19 Natural Regions of the World II

- a) Tropical Monsoon } only  
b) Tropical Deserts }

Map Work of these three natural regions and related diagrams of the above chapters.

Note:- All map work, diagrams and chapters done throughout the year will be included.

**Project Work:**

Natural Regions of the World

Location, Area, Climate, Natural Vegetation and Human

Adaptation:

1. Equatorial Region
2. Tropical Grasslands
3. Tropical Deserts
4. Tropical Monsoon
5. Mediterranean
6. Temperate Grasslands
7. Taiga
8. Tundra

### **HISTORY AND CIVICS**

Book: Candid ICSE History and Civics - 9 – K.S. Randhawa

**Half Yearly:-**

*Civics*

Ch. 1 Our Constitution

Ch. 2 The Salient Features of Our Constitution

Ch. 3 Fundamental Rights and Duties  
(Fundamental Rights names only;  
Fundamental Duties)

Ch. 5 Elections

*History*

Ch. 1 The Harappan Civilisation

Ch. 2 The Vedic Period

Ch. 3 Rise of Jainism and Buddhism (Causes for  
the rise and Doctrines only)

Ch. 4 The Mauryan Empire

Ch. 5 The Sangam Age (Meaning of Sangam;  
Sources – Tirukurral only)

**Final Term:-**

*Civics*

Ch. 6 Local Self Government (Rural)

Ch. 7 Local Self Government (Urban)

*History*

Ch. 6 The Age of the Guptas

Ch. 7(a) Medieval India (The Cholas)

Ch. 7(b) The Delhi Sultanate

Ch. 8(a) The Mughal Empire

Ch. 9(a) The Modern Age in Europe  
(The Renaissance)

Ch. 9(b) The Reformation

Ch. 9(c) Industrial Revolution

(Half Yearly Syllabus will be included)

**Project:** Indus Valley Civilisation

### **COMMERCIAL APPLICATIONS**

Book: ICSE Commercial Applications (Class: IX)

By C.B. Gupta

**Half Yearly:-**

Ch. 1 Introduction to Commercial Organisations

Ch. 2 Ownership Structures – Sole Proprietorship and Joint  
Hindu Family Business

Ch. 3 Ownership Structures – Partnership

Ch. 4 Ownership Structures – Joint Stock Company

Ch. 5 Ownership Structures – Cooperative Society

Ch. 13 Natural Resources

**NOTE:- Final Examination will include the complete Syllabus)**

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**Final Term:-**

- Ch. 6 Public Sector Enterprises  
 Ch. 7 Functioning of a Commercial Organisation  
 Ch. 8 Communication in a Commercial Organisation  
 Ch. 9 Ways of Communicating  
 Ch. 11 Nature and Terminology of Accounting  
 Ch. 12 Accounting Records  
 (Half Yearly Syllabus will be included)

**PROJECT TOPICS:-****Half Yearly:-**

1. Study the growth of Consumer Durables Industry in India. Take any four firms of the Industry and group them according to Ownership Structures.
2. Illustrate the importance of natural resources and our dependence on them.

**Finals:-**

3. Study the accounting books maintained by a manufacturing concern and prepare a report highlighting the way in which they are maintained.
4. Critically evaluate the ways (verbal and non-verbal) of business communication in a commercial organisation. Write the factors which make one or the other method appropriate based on your understanding of commercial organisation.

**COMPUTER APPLICATIONS**

Book: Logix Computer Applications with Blue J – 9  
 Kips Publication

**Half Yearly:-**

- Ch. 1 Introduction to Object Oriented Programming Concepts  
 Ch. 2 Introduction to Java  
 Ch. 3 Elementary Concepts of Objects and Classes  
 Ch. 4 Values and Data Types  
 Ch. 5 Operators in Java  
 Ch. 7 Input in Java  
 Ch. 9 Conditional Constructs in Java  
 if statement  
 if else  
 nested if

(Programs on the same)

**Final Term:-**

- Ch. 9 Conditional Constructs in Java  
 if else if ladder  
 switch case  
 Terminating a program

(Programs on the same)

- Ch. 8 Mathematical Library Methods  
 Ch. 10 Iterative Constructs in Java  
 Ch. 11 Nested for loops

(Revision of Half Yearly Syllabus)

**Project:**

Project Work will be of 15 Programs

**HINDI**

- पुस्तकें - 1. साहित्य सागर  
 2. सरस्वती व्याकरण सुमन

**Half Yearly:-****साहित्य सागर-**

- गद्य भाग - 1. बात अठन्नी की - सुदर्शन  
 2. काकी - सियारामशरण गुप्त  
 3. महायज्ञ का पुरस्कार - यशपाल

- पद्य भाग - 1. साखी - कबीरदास  
 2. गिरिधर की कुंडलियाँ - गिरिधर कविराय  
 3. स्वर्ग बना सकते हैं - रामधारी सिंह  
 'दिनकर'

व्याकरण - निबन्ध, पत्र लेखन, अपठित गद्यांश, विलोम, पर्यायवाची, मुहावरे, भाववाचक संज्ञा, विशेषण रचना (ICSE द्वारा निर्देशित)

**Final Term:-****साहित्य सागर-**

गद्य भाग - नेता जी का चश्मा - स्वयं प्रकाश

- पद्य भाग - 1. वह जन्मभूमि मेरी - सोहनलाल द्विवेदी  
 2. मेघ आए - सर्वेश्वर दयाल सक्सेना  
 3. सूर के पद - सूरदास

व्याकरण - निबन्ध, पत्र लेखन, अपठित गद्यांश, विशेषण रचना, विलोम, पर्यायवाची, मुहावरे, भाववाचक संज्ञा, अशुद्ध शब्द को शुद्ध करना (ICSE द्वारा निर्देशित)

**Note:** Half Yearly Syllabus will be included)

**Project:**

Literature - प्रेमचन्द- जीवन परिचय, साहित्यिक विशेषताएं  
 Language - मानव जीवन में योग शिक्षा का महत्व।

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