

# Calcutta Girls High School

Syllabus For The Session 2024-25

Class IX

## ENGLISH LANGUAGE

### HALF-YEARLY :

1. Composition
2. Letter (Formal & Informal)
3. Email & Notice
4. Grammar (Unsolved Papers 4 To 9)
5. Comprehension\
6. Project

### FINAL TERM :

1. Composition
2. Letter (Formal & Informal)
3. Email & Notice
4. Grammar (Unsolved Papers 10 To 15)
5. Comprehension
6. Project

## ENGLISH LITERATURE

### HALF-YEARLY:

**JULIUS CAESAR**

Act 1 – Scenes I, II&III.

**TREASURE CHEST**

**POETRY:**

1. Skimbleshanks: The Railway Cat – T. S. Eliot
2. I Remember, I Remember – Thomas Hood

**PROSE:**

3. Bonku Babu's Friend – Satyajit Ray
4. Oliver Asks for More – Charles Dickens
5. The Model Millionaire – Oscar Wilde

**PROJECT**

### FINAL TERM:

**JULIUS CAESAR**

Act 2 – Scenes I to IV

## TREASURE TROVE

### POETRY:

1. The Night Mail — W. H. Auden
2. A Doctor's Journal Entry for August 6, 1945 — Vikram Seth
3. A Work of Artifice — Marge Piercy

### PROSE:

4. The Home-coming — Rabindranath Tagore
5. The Boy who Broke the Bank — Ruskin Bond

## THE ENTIRE HALF-YEARLY SYLLABUS

### PROJECT

## MATHEMATICS

### HALF-YEARLY:

1. Rational and Irrational Numbers
2. Compound Interest
3. Simultaneous Linear Equations
4. Problems on Simultaneous Linear Equations
5. Triangles
6. Expansions
7. Factorisation
8. Mid-point theorem
9. Pythagoras Theorem
10. Trigonometrical Ratios
11. Mensuration
12. Statistics

### FINAL TERM:

1. Indices
2. Logarithm
3. Trigonometrical Ratios of Standard Angles
4. Rectilinear Figures
5. Coordinate Geometry
6. Theorems on Area
7. Statistics
8. Mensuration
9. Circles

(Chapters from Half-Yearly to be included)

## PHYSICS

### HALF YEARLY

1. Chapter 7: Reflection of Light
2. Chapter 2: Motion in one Dimension
3. Chapter 3: Laws of Motion
4. Chapter 4: Pressure in Fluids and Atmospheric Pressure

### FINAL TERM

5. Chapter 5: Upthrust in Fluids, Archimedes' Principle and Floatation
6. Chapter 8: Propagation of Sound waves
7. Chapter 6: Heat and Energy
8. Chapter 9: Current Electricity
9. Chapter: 10: Magnetism
10. Chapter 1: Measurements and Experimentation

All Half Yearly Topics To Be Included.

## CHEMISTRY

### HALF YEARLY

1. Language of Chemistry
2. Chemical Changes and Reactions
3. Hydrogen
4. Atomic Structure and Chemical Bonding
5. Practical Work (Heating of Substances)

### FINAL TERM

6. Study of Gas Laws
  7. Periodic Table
  8. Water
  9. Practical Work
- ( All the half yearly topics are included for the final term)

## BIOLOGY

### HALF YEARLY

1. The Flower

2. Pollination and Fertilization
3. Seeds- structure and germination
4. Tissues- plant and animal tissues
5. Five Kingdom Classification
6. Nutrition
7. Digestive System
8. Respiration in Plants
9. Cell: the unit of life

### FINAL TERM

1. Economic importance of bacteria and fungi
2. Skeleton- Movement and Locomotion
3. The Respiratory System
4. Waste generation and management
5. Hygiene- A key to healthy life
6. Diseases: cause and control
7. Aids to health
8. Health Organizations
9. Skin- The Jack of all trades
10. Half Yearly syllabus will be included

### HISTORY

#### HALF-YEARLY :

##### **CIVICS**

- 1) Our Constitution And Its Salient Features (Entire Chapter)
- 2) Fundamental Rights, Fundamental Duties And Directive Principles Of State Policy (Entire Chapter)

##### **HISTORY**

- 1) Harappan Civilization
- 2) Early And Later Vedic Civilization
- 3) Rise Of Jainism And Buddhism
- 4) Mauryan Empire
- 5) Renaissance
- 6) Sangam Age

Project

#### FINAL TERM :

##### **CIVICS**

- 1) Election And Election Commission
- 2) Local Self Government-Rural Local Institutions

### 3) Local Self Government-Urban Local Institutions

## HISTORY

- 1) Age Of Guptas
- 2) South India And The Cholas
- 3) Delhi Sultanate
- 4) Mughal Empire
- 5) Composite Culture
- 6) Reformation
- 7) Industrial Revolution And Capitalism And Socialism

## Project

Entire Syllabus To Be Studied Following The Scope

## GEOGRAPHY

### HALF YEARLY:

1. Earth as a Planet
2. Geographic Grid: Latitudes and Longitudes
3. Motions of the Earth
4. Structure of the Earth
5. Landforms of the Earth
6. Materials of Earth's Crust-Rocks
7. Volcanoes
8. Earthquakes
9. Project: Scales and Directions
10. Map: World

### FINAL TERM :

1. Weathering and Denudation
2. The Atmosphere
3. Insolation
4. Atmospheric Pressure Belts and Winds
5. Humidity and Precipitation
6. Hydrosphere
7. Natural Regions of the World
8. Pollution
9. Project: Weather Data Analysis
10. Map: World

## COMPUTER APPLICATIONS

### HALF YEARLY:

1. Introduction to java

2. Values and Data Types
3. Operators in Java
4. Mathematical Library Methods
  
5. Flow of Control    a) if else, nested if else, else if ladder  
                              b) switch case  
                              c) ternary operators
  
6. Iteration                a) for loop  
                              b) while loop  
                              c) do ....while loop
- Project

#### FINAL TERM:

- 1 Nested loops
  - 2 Functions
  - 3 Nested Functions
  - 4 Function Overloading
  - 5 Input through Scanner Class
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- Project

### HOME SCIENCE

#### HALF YEARLY:

1. Concept and Scope of Home Science
2. Food and Health
3. Nutrients and their Functions
4. Growth and Development of Children
5. Role of play and playschool
6. Common childhood diseases and immunization
7. Colour and its Applications
8. Practical and Project work

#### FINAL TERM:

9. Lighting in our homes
10. Conservation of Gas ,Electricity and Water
11. Maintenance of Sanitation and Hygiene in the Home
12. Five R's
13. Fibres: Properties and uses
14. Fabric available in the Market
15. Communication and Extension
16. Practical and Project work

## COMMERCIAL STUDIES

### HALF YEARLY:

Chapters:

1. Commercial and Non-Commercial Activities
2. Business Activities
3. Profit and Non-Profit Organisations
4. Classification of Commercial Organizations
5. Sole Proprietorship Business
6. Partnership
7. Joint Stock Company
8. Cooperative Society
9. Public Sector Enterprises
10. Marketing and Sales
11. Finance and Accounts
12. Human Resources

### FINAL TERM:

Chapters of Half Yearly Syllabus

13. Production
14. Purchasing and Stores
15. General Administration, Legal Compliance and Management Information System (MIS)
16. Communication in Commercial Organisations
17. Different methods of Communication
18. Meaning, Objectives and Terminology of Accounting
19. Basic Accounting Principles and Concepts
20. Accounting Books and Statements
21. Banking
22. Trade
23. Social Responsibility of Commercial Organisations towards the Environment

## BENGALI (SECOND LANGUAGE)

### HALF YEARLY:

প্রথম পত্র

1. রচনা লিখন
2. পত্র লিখন
3. বোধ পরীক্ষণ
4. সাধু ভাষা- চলিত ভাষা

5. বাচ্য
6. প্রত্যয়
- 7.এক কথায় প্রকাশ

দ্বিতীয় পত্র (সাহিত্য অংশ)

1. গিল্লি
2. লালু
3. বামা
4. বঙ্গভূমির প্রতি (কবিতা)
- 5.সভ্যতার প্রতি (কবিতা)

FINAL TERM:

প্রথম পত্র

1. রচনা লিখন
2. পত্র লিখন
3. বোধ পরীক্ষণ
4. পদ পরিবর্তন
5. পদের বিশিষ্টার্থ প্রয়োগ
6. বাগধারা

দ্বিতীয় পত্র( সাহিত্য অংশ)

1. ক্যানভাসার
2. নাম
3. বামা
4. কুলি মজুর
5. আবার আসিব ফিরে
6. সিঁড়ি

HINDI 2<sup>ND</sup> LANGUAGE

HALF YEARLY:

Language

1. নিবন্ধ লেখন



2. मौलिक कहानी
3. चित्र – लेखन
4. पत्र – लेखन
5. अपठित गद्यांश
6. संज्ञा(भाववाचक रूप)
7. विशेषण
8. वाच्य
9. विलोम शब्द
10. पर्यायवाची शब्द
11. अनेक शब्दों के लिए एक शब्द
12. मुहावरे
13. शब्द – संशोधन
14. वाक्य – संशोधन
15. निर्देशानुसार वाक्य परिवर्तन

### **Literature**

#### **साहित्य सागर (गद्य)**

1. बात अठनी की
2. काकी
3. महायज्ञ का पुरष्कार

#### **साहित्य सागर (पद्य)**

1. साखी
2. गिरिधर की कुंडलियाँ
3. स्वर्ग बना सकते हैं

### **FINAL TERM:**

#### **Language**

1. निबंध लेखन
2. मौलिक कहानी
3. चित्र – लेखन
4. पत्र – लेखन
5. अपठित गद्यांश
6. संज्ञा(भाववाचक रूप)

7. विशेषण
8. वाच्य
9. विलोम शब्द
10. पर्यायवाची शब्द
11. अनेक शब्दों के लिए एक शब्द
12. मुहावरे
13. शब्द – संशोधन
14. वाक्य – संशोधन
15. निर्देशानुसार वाक्य परिवर्तन

### **Literature**

#### **साहित्य सागर (गद्य)**

1. नेताजी का चश्मा
2. अपना – अपना भाग्य
3. बड़े घर की बेटी

#### **साहित्य सागर (पद्य)**

1. वह जन्मभूमि मेरी
2. मेघ आए
3. सूर के पद

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