

## CLASS 11 ANNUAL SYLLABUS [2024-2025]

### ENGLISH

#### Term 1

##### **Hornbill**

- The Portrait of a Lady
- A Photograph
- We Are Not Afraid to Die if We Are All Together.
- Discovering Tut
- Voice of the Rain
- The Laburnum Top.

##### **Snapshots**

- The Summer of the Beautiful White Horse
- Address

##### **Short Writing Skills**

- Poster

##### **Long Writing Skills**

- Speech
- Business letters: complaint, placing orders, making enquiries.

##### **Reading**

Comprehension, Case-based Passage, & Note-Making

##### **Grammar Revision Exercises**

##### **INTERNAL ASSESSMENT (20 Marks)**

Assessment of Speaking and Listening (5+5)  
Project Activity (10)

#### Term 2

##### **Term 1 syllabus included.**

##### **Hornbill**

- The Adventure
- Childhood
- Father to Son
- Silk Road

##### **Snapshots**

- Mother's Day
- Birth
- The Tale of the Melon City.

##### **Short Writing Skills**

- Advertisement- Promotional & classifieds

##### **Long Writing Skills**

- Debate

##### **Reading**

Comprehension, case-based passage & note-making

##### **Grammar Revision Exercises**

##### **INTERNAL ASSESSMENT (20 Marks)**

Research Essay Project Activity (10)  
Assessment of Speaking (Viva) and Listening (5+5)

**BRIDGE COURSE:** 1. Vocabulary 2. Literary Devices 3. Transformation of sentences

### MATHEMATICS

#### Term 1

1. Sets
2. Relations and Functions
3. Trigonometric Functions
4. Complex Numbers
5. Permutation and Combination
6. Binomial Theorem
7. Straight Lines
8. Sequence and Series
9. Limits and Derivatives

#### Term 2

1. Linear Equalities
2. Conic Sections
3. Introduction to Three-Dimensional Geometry
4. Statistics
5. Probability

### BIOLOGY

#### **Term 1 (Theory)**

1. The Living World
2. Biological Classification
3. Plant Kingdom
4. Animal Kingdom
5. Morphology of Flowering Plants
6. Anatomy of the Flowering Plants
7. Structural Organisation in Animals
8. Cell- The Unit of Life
9. Cell Cycle and Cell Division

#### **Term 2 (Theory)**

10. Biomolecules
11. Photosynthesis in Higher Plants
12. Respiration in Plants
13. Growth and Development
14. Breathing and Exchange of Gases
15. Body Fluids and Circulation
16. Excretory Products and its Elimination
17. Locomotion and Movement
18. Neural control and Coordination
19. Chemical Coordination and Integration

## PHYSICS

### Term 1

UNIT 1 Physical world and measurement  
UNIT 2 Kinematics  
UNIT 3 Laws of Motion  
UNIT 4 Work, Energy and Power  
UNIT 5 Motion of system of particles and rigid body

### Term 2

UNIT 6 Gravitation  
UNIT 7 Properties of Bulk Matter  
UNIT 8 Thermodynamics  
UNIT 9 Behavior of Perfect Gases and Kinetic Theory of Gases  
UNIT 10 Oscillations and Waves

## CHEMISTRY

### Term 1

1. Some basic concepts of Chemistry  
2. Structure of atom  
3. Periodic classification of elements and periodicity in properties  
4. Chemical bonding and molecular structure  
5. Chemical thermodynamics

### Term 2

6. Equilibrium  
7. Redox reactions  
8. Organic Chemistry :- some basic principles and techniques  
9. Hydrocarbons

## ACCOUNTANCY

### Term 1

- Introduction to Accounting
- Theory Base of Accounting
- Recording of Transactions-I
- Recording of Transactions-II
- Bank Reconciliation Statement
- Depreciation, Provisions and Reserves

### **Project Work**

### Term 2

- Trial Balance and Rectification of Errors
- Financial Statements I
- Financial Statements II
- Accounts from Incomplete Records

### **Project Work**

## BUSINESS STUDIES

### Term 1

1. Nature and Purpose of Business  
2. Forms of Business Organisations  
3. Public, Private and Global Enterprises  
4. Business Services  
5. Emerging Modes of Business  
6. Social Responsibility of Business and Business Ethics

### **Project Work**

### Term 2

1. Sources of Business Finance  
2. Small Business  
3. Internal Trade  
4. International Business

### **Project Work**

## ECONOMICS

### Term 1

#### **PART A Statistics for Economics**

1. Introduction
2. Collection, organization and presentation of data
3. Statistical tools and interpretation – arithmetic mean, median and mode

#### **PART B Introductory Microeconomics**

4. Introduction
5. Consumer's equilibrium and demand

### Term 2

#### **PART A Statistics for Economics**

1. Statistical tools and interpretation – correlation, index number

#### **PART B Introductory Microeconomics**

2. Producer's behavior and supply
3. Forms of market and price determination under perfect competition with simple applications

#### **PART C Project Work : 20 Marks**

Learners will complete only ONE project

## SOCIOLOGY

### Term 1

#### **Book -1 Introducing Sociology**

Chap-1 sociology and society  
Chap-2 terms, concepts and their use in sociology  
Chap-3 understanding social institutions  
Chap-4 culture and socialization

### Term 2

#### **Book-2 Understanding Society**

Chap-2 social change and social order in rural and urban society  
Chap-4 Introducing western sociologists  
Chap-5 Indian sociologists

## GEOGRAPHY

### Term 1

#### **Book 1**

- Geography as a discipline
- The origin and evolution of the earth
- Interior of the earth
- Distribution of ocean and continents
- Geomorphic processes
- Landforms and their evolution
- Composition and structure of atmosphere

#### **Book 2**

- India- location
- Structure and physiography
- Drainage system
- Climate

#### **Practical work**

- Introduction to maps
- Map scale
- Latitude, longitude and time

### Term 2

#### **Book 1**

- Solar radiation, heat balance and temperature
- Atmospheric circulation and weather system
- Water in the atmosphere
- World climate and climate change
- Water(oceans)
- Movements of ocean water
- Biodiversity and conservation

#### **Book 2**

- Natural vegetation
- Natural hazards and disasters

#### **Practical work**

- Map projections
- Topographical maps
- Introduction to remote sensing

## HISTORY

### Term 1

- Introduction to world history
- **Section A: early societies**
- Introduction
- writing and city life
- **Section B: empires**
- Introduction
- An empire across three continents
- Nomadic empires
- **Section C: changing traditions**
- Introduction
- the three orders
- Changing cultural traditions

### Term 2

- **Section D: Paths to modernization**
- Introduction
- Displacing indigenous people
- Paths to modernization

## POLITICAL SCIENCE

### Term 1

1. Political Theory,
2. Constitution at work,
3. Election and Representation,
4. Freedom,
5. Legislature,
6. Equality,
7. Executive,
8. Judiciary,
9. Constitution as a living document.

### Term 2

1. Rights in the Indian constitution, Federalism,
2. Social Justice,
3. Rights,
4. Local Government,
5. The Philosophy of Constitution,
6. Citizenship,
7. Nationalism,
8. 8.Secularism

## PSYCHOLOGY

### Term 1

- Chapter 1 What is Psychology?  
Chapter 2 Methods of Enquiry in Psychology  
Chapter 4 Human Development  
Chapter 5 Sensory, Attentional and Perceptual  
Chapter 6 Learning

### Term 2

- Chapter 7 Human Memory  
Chapter 8 Thinking  
Chapter 9 Motivation and Emotion  
**\*Art Integrated - The syllabus includes project and practical files. During class roleplay, drawings of emotions, discussion and possible solutions to problems, stories and videos are included.**

## COMPUTER SCIENCE

### Term 1

- a) **Computer Systems and Organisation**
- Basic Computer Organisation, Types of software, Operating system.
  - Boolean logic, Number system, Encoding schemes, Emerging trends
  - Flow Charts
- b) **Computational Thinking and Programming**
- Introduction to problem solving, Familiarization with the basics of Python
- c) **Computational Thinking and Programming**
- Expressions, statement, type conversion & input /output, Errors: syntax errors, logical errors, runtime errors, Flow of control, Conditional statements, Iterative statements

### Term 2

- a) **Computational Thinking and Programming**
- Strings, Lists, Tuples, Dictionary, Sorting techniques,
- b) **Society, Law and Ethics -**
- Digital Footprints, Digital Society and Netizen, Data protection
  - Cyber-crime, Cyber safety, Safely accessing web sites, Indian Information Technology Act (IT Act), Technology & Society
  - E-waste management

## INFORMATION TECHNOLOGY

### Term 1

#### **Employability skills**

Unit 1 :communication skills-iii  
Unit 2: self-management skills-iii  
Unit 3: ict skills-iii

#### **Subjected specific skills**

Unit 3: office automation tools  
Unit 2: rdbms  
Unit 1: computer organization

### Term 2

#### **Employability skills**

Unit 4: entrepreneur skills-iii  
Unit 5: green skills-iii

#### **Subjected specific skills**

Unit 2: Networking and internet  
Unit 5: Fundamentals of java

## PHYSICAL EDUCATION

### Term 1

Ch.1 Changing Trends and career in Physical Education  
Ch.2 Olympism  
Ch.3 Yoga  
Ch.4 Physical Education and sports for CWSN(Children With Special Needs-Divyang  
Ch.5 Physical Fitness, Health and Wellness

### Term 2

Ch.6 Test, Measurement and Evaluation  
Ch.7 Fundamentals of Anatomy and Physiology in sports.  
Ch. 8 Fundamentals of kinesiology and Biomechanics in Sports  
Ch. 9 Psychology and Sports  
Ch.10 Training and Doping in Sports.

## HEALTH AND WELLNESS OF SCHOOL-GOING ADOLESCENTS

Theme: 2	Emotional Well-being & Mental Health	Theme:10	Safety and Security Against Violence and Injuries ( to be conducted as Guest Lecture/First Aid Demo/Drills)
Theme:3	Interpersonal relationships		
Theme:8	Prevention & Management of Substance Abuse		