

SYLLABUS

CLASS-X

2018-2019

CONTENT	PAGE
ENGLISH LANGUAGE	2
ENGLISH LITERATURE	3
HINDI-2ND LANGUAGE	4
BENGALI-2ND LANGUAGE	5
FRENCH- 2ND LANGUAGE	6
HISTORY & CIVICS	7
GEOGRAPHY	8
MATHEMATICS	9
PHYSICS	10
CHEMISTRY	11
BIOLOGY	12
COMMERCIAL STUDIES	13
ENVIRONMENTAL SCIENCE	14
ECONOMIC APPLICATIONS	15
COMPUTER APPLICATIONS	16
ART	17
HOME SCIENCE	18
PHYSICAL EDUCATION-CRICKET	19
PHYSICAL EDUCATION-ATHLETICS	20
PHYSICAL EDUCATION-BASKETBALL	21
PHYSICAL EDUCATION-FOOTBALL	22

English language

Term 1:

April to June: (Revision and practice)

Composition: Narrative and Descriptive

Letter writing: Informal

Notice writing

Comprehension

Grammar: Interchange of kinds of sentences, Simple, Compound and Complex sentences, Agreement of Subject and Verb

July to September: (Revision and practice)

Composition: Argumentative, Story writing and Picture composition

Letter writing: Formal

Email writing

Summary writing

Grammar: Tenses, Prepositions and Phrasal Verbs, Synthesis of sentences

Term 2:

November to January:

Revision of all the above topics

March:

Solving practice papers

As per the Council's latest syllabus.

English Literature

Term 1:

Treasure Trove (A Collection of ICSE Poems and Short Stories)

Poems:

1. The Heart of the Tree
2. The Cold Within
3. Nine Gold Medals

Short Stories:

1. Old Man at the Bridge
2. A Horse and Two Goats
3. An Angel in Disguise

Drama: The Merchant of Venice (William Shakespeare)

Act 3: Scene 1,2,3,4,5

Act 4: Scene 1

Term 2:

Poems:

1. The Patriot

Short Stories:

1. Chief Seattle's Speech

Drama: The Merchant of Venice

Act 5: Scene 1

As per the Council's guidelines.

द्वितीय भाषा-हिंदी

FIRST TERM

April-August

Language	Literature
<ul style="list-style-type: none">• लिंग, वचन , काल, विशेषण• वाच्य• शुद्ध अशुद्ध शब्द तथा वाक्य• मुहावरे• विलोम• पर्यायवाची• अनेक शब्दों के लिए एक शब्द• पत्र लेखन- अनौपचारिक तथा औपचारिक• निबंध• अपठित गद्यांश	<ul style="list-style-type: none">• संदेह• विनय के पद• जामुन का पेड़• भिक्षुक• भेड़ और भेड़िए• चलना हमारा काम है• दो कलाकार• मातृ मंदिर की ओर

FINAL TERM

September-March

Language	Literature
<ul style="list-style-type: none">• वाक्य के भेद• काल और उसके भेद• Revision of all grammar (संज्ञा, लिंग, वचन, विशेषण, क्रिया, वाच्य)• पत्र लेखन- औपचारिक• निबंध , अपठित गद्यांश• मुहावरे• विलोम• पर्यायवाची• अनेक शब्दों के लिए एक शब्द	<ul style="list-style-type: none">• Revision of the full syllabus (IX & X)

BENGALI

FIRST TERM

April- August

- Jambo (1st chapt)
- Dbotar Jonmo
- Bakya poribortan
- Composition
- Formal letter writing
- Nilmanusher kahini
- Jambo
- Informal letter writing
- Comprehension
- Gondhota khub sondehojonok
- Eki sobder bivinya orther proyog
- Comprehension
- Lokti
- Jambo
- Dhannatyak sobdo
- Letter writing

SECOND TERM

September-February

- _ Naam
- Letter writing
- Poject writing
- Asohojogee
- Bagdhara and Transformation of sentences
- Revision
- Pre Board 1
- Revision /Worksheets
- Pre Board 11
- Revision / Worksheets

FRENCH

TOPICS

FIRST TERM

Travel transport tourism.(Vocabs,application)

Directions (Revision)

Home life,home and locality(Vocabs, application)

Health and illnesses(Revision)

Idioms(Continuation. Meanings and application)

Essays,letters,comprehensions and picture compositions based on various topics given in the blue book.

Revision of negation,interrogation,comparatives,superlatives, pronouns and tenses.(Following the blue book)

Correcting jumbled sentences, making questions, correcting errors.(Grammar and syntax)

Internal examination.

FINAL TERM

Revision of the entire syllabus .

Grammar worksheets to be solved, based on the entire grammar syllabus.

Solving mock question papers.

Solving previous years' question papers.

Internal examination.

HISTORY & CIVICS

TOPICS

FIRST TERM

FINAL TERM

APRIL- SEPTEMBER

OCTOBER- NOVEMBER

- Revision of the topics completed in Class IX till Partition of Bengal.
 - The Union Legislature
 - The First World War
 - Rise of Dictatorship
 - The Second World War
 - Muslim League & Lucknow Pact – 1916
 - The Union Executive
 - United Nations
 - First Term Examination
- Mahatma Gandhi (1915-42)
 - Forward Bloc
 - Independence and Partition of India
 - The Judiciary
 - NAM
 - Pre- Board & Rehearsal Examination

Project Work on (any one) of the following topics:

1. Compare the Parliamentary and Presidential forms of Government with reference to India and the U.S.A.
2. Discuss the relevance of any one of the following films to understand the history of 20th Century Europe: The Book Thief, Schindler's List, Escape to Victory, The Boy in Striped Pyjamas, Life is Beautiful, The Sound of Music, Gandhi (Richard Attenborough), Sardar (Ketan Mehta), Netaji Subhas Chandra Bose – The Forgotten Hero (Shyam Benegal).
3. Highlight the work and achievements of any one Nobel Laureate – Malala Yousafzai or Kailash Satyarthi.
4. Make a presentation on the influence of Gandhian principles on Martin Luther King / Nelson Mandela.

GEOGRAPHY

TOPICS

FIRST TERM

APRIL- SEPTEMBER

Chapter 1 : Interpretation of Topographical Maps.

Chapter 2 : Maps of India

Chapter 4 : Climate of India

Chapter 5 : Soils of India

Chapter 6 : Natural Vegetation of India

Chapter 7 : Water resources

Chapter 8 : Minerals and Energy Resources in India

FINAL TERM

OCTOBER- NOVEMBER

Chapter 1 : Interpretation of Topographical Maps.

Chapter 2 : Maps of India

Chapter 9 : Agriculture in India

Chapter 10: Industries in India

Chapter 11: Transport in India

Chapter 12: Waste Generation and Management

MATHEMATICS

TOPICS

FIRST TERM

APRIL- SEPTEMBER

- 1.Mensuration**
- 2.Linear Inequation**
- 3Quadratic Equation**
- 4.Remainder Factor Theorem**
- 5.Matrices**
- 6.Ratio &Proportion**
- 7.Banking**
- 8.Coordinate Geom: Reflection**
- 9.Circle: Angle, cyclic properties,Tangent& Intersecting chords. Construction**
- 10.Shares &Dividends**
- 11.Section & Mid point Formula**
- 12. Equation of a Line**
- 13.Vat - omitted from syllabus**
- 14.Statistics: Mean, Median,Mode.Histogram, ogive**

FINAL TERM

OCTOBER- DECEMBER

- 1.Probability**
- 2.Similarity**
- 3.A.P , G.P**
- 4.Trigometry**
- 5.Locus**

Revision

REHEARSAL EXAMINATION-

Whole years syllabus

PHYSICS

FIRST TERM APRIL- SEPTEMBER

- **Heat (continued)**
- **Work Power And Energy**
- **Machine**
- **Electrical Power and Household Circuits**
- **Light**
- **Sound**
- **Electromagnetism**
- **Heat**

FINAL TERM OCTOBER- MARCH

- **Electromagnetism (continued)**
- **Modern Physics**
- **Revision**

CHEMISTRY

FIRST TERM APRIL- SEPTEMBER

- **Periodic Table**
- **Chemical Bonding**
- **Acids, Bases and Salts**
- **Study of compounds HCl, NH₃, HNO₃, H₂SO₄**
- **Mole concept and stoichiometry**

FINAL TERM OCTOBER- MARCH

- **Analytical chemistry.**
- **Organic chemistry**
- **Electrolysis**
- **Metallurgy**

BIOLOGY

TOPICS

FIRST TERM

APRIL- SEPTEMBER

- **The Excretory System**
- **The Circulatory System**
- **Transpiration**
- **Cell-the structural and functional unit of life**
- **Structure of Chromosomes, Cell cycle, Cell Division**
- **Genetics- Some Basic Fundamentals**
- **Photosynthesis**
- **The Endocrine system**
- **Human Evolution**
- **Pollution- A rising environmental problem.**
- **Chemical Coordination in Plants**

FINAL TERM

OCTOBER- MARCH

- **The Nervous System**
- **Sense Organs**
- **Absorption by Roots-the processes involved**
- **The Reproductive System**
- **Population- The Increasing numbers and rising problems.**

COMMERCIAL STUDIES

**FIRST TERM :
APRIL 2018 -- SEPTEMBER 2018**

- **Chapter 1 : Stakeholders in Commercial Organisations**
- **Chapter 2 : Communication in a Commercial Organisation**
- **Chapter 3 : Nature and Functions of Marketing**
- **Chapter 4 : Marketing Research**
- **Chapter 5 : Advertising and Sales Promotion**
- **Chapter 6 : Sales and Sales Process**
- **Chapter 7 : Capital and Revenue Expenditure / Income**
- **Chapter 8 : Final Account of a Sole Trader**
- **Chapter 9 : Financial Statements of Non – Profit Organisations.**
- **Chapter 10 : Fundamental Concepts of Costs**

**FINAL TERM :
OCTOBER 2018 – JANUARY 2019**

- **Chapter 11 : Budgeting**
- **Chapter 12 : Banking**
- **Chapter 13 : Recruitment , Selection and Training**
- **Chapter 14 : Industrial Relations and Trade Unions**
- **Chapter 15 : Logistics and Insurance**
- **Chapter 16 : Striving for a better environment.**
- **(All chapters of first term will be included in the final term)**

PROJECT

Topics for both the terms will be announced in the class.

ENVIRONMENTAL SCIENCE

TOPICS

FIRST TERM

APRIL- SEPTEMBER

- **Controlling Air pollution**
- **Vehicle Emission Control**
- **Addressing Population**
- **Managing Waste**
- **Biodiversity**
- **Energy Conservation**
- **Managing the urban Environment**
- **Combating Deforestation**

FINAL TERM

OCTOBER- MARCH

- **Managing Soil and Land**
- **Sustainable Agriculture**
- **Environment and Development**
- **Towards a sustainable future**

ECONOMIC APPLICATIONS

**FIRST TERM :
APRIL 2018 -- SEPTEMBER 2018**

- **Chapter 1: The Theory of Demand**
- **Chapter 2 : The Theory of Supply**
- **Chapter 3: The Productive Mechanism**
- **Chapter 4 : Land**
- **Chapter 5 : Labour**
- **Chapter 6 : Capital**
- **Chapter 7 : Enterprise**

**FINAL TERM :
OCTOBER 2018 -- JANUARY 2019**

- **Chapter 8 : Alternative Market Structure**
- **Chapter 9 : The State the Economic and Development**
- **Chapter 10 : Money and Banking**

(All the chapters of first term will be included in the final term)

PROJECT : Topics will be announced in the class.

COMPUTER APPLICATION

TOPICS

FIRST TERM APRIL- SEPTEMBER

- **Revision of Grade IX Syllabus**
- **Arrays**
- **Encapsulation**
- **Inheritance**
- **Using Library classes**
- **String handling in Java**

FINAL TERM OCTOBER- MARCH

- **Solving last 10 years question papers.**
- **Solving last 10 years question papers.**
- **Solving last 10 years question papers.**
- **Solving last 10 years question papers.**

ART

TOPICS

FIRST TERM- APRIL TO SEPTEMBER

- Still life study – Pencil shading
- Still life study – monochrome
- Still life study - Watercolour

- Study of a plant – Pencil shading

- Study of a plant - Water colour
- Sketching of human figures
- Creative Composition
- Calligraphy
- Book cover Designing
- CD cover designing
- Folk art

FINAL TERM-OCTOBER TO MARCH

- Still life study – Pencil shading
- Still life study – monochrome
- Still life study - Watercolour
- Study of a Flower – Pencil shading
- Study of a Flower - Water colour

- Perspective study
- Sketching of outdoor spaces
- Creative Composition
- Book cover Designing
- Poster designing
- Pattern Design
- Card Making
- Folk art

HOME SCIENCE

TOPICS

FIRST TERM

APRIL- SEPTEMBER

- 1. Colour and it's Application**
- 2. Kitchen Planning**
- 3. Fabrics for furnishing**
- 4. Lighting in the home**
- 5. Money management**
- 6. Fundamentals of Banking**
- 7. Growth and development -- middle childhood**
- 8. Meal planning**
- 9. Food Groups**
- 10. Storage and Preservation of food**
- 11. Food Adulteration**
- 12. Consumer education**
- 13. Growth and Development during Adolescence**

FINAL TERM

OCTOBER- MARCH

- 14 . Adolescence (contd)**
- 15 .Textile and their care**
- 16. Laundering of clothes**
- 17. Laundry Material**

PRACTICALS :

Practical oriented assignments as prescribed by the council.

PROJECT :

PHYSICAL EDUCATION (CRICKET)

MONTHS: - APRIL, MAY, JUNE

- **.WARM UP (GENERAL AND SPECIFIC)**
- **.RUNNING BETWEEN THE WICKETS**
- **. TECHNIQUE THROWING FROM CLOSE**

MONTHS:- JULY , AUGUST , SEPTEMBER

- **.WARM UP (GENERAL AND SPECIFIC)**
- **. PLANNING FOR BATTING**
- **. PLANNING FOR BOWLING**
- **. MATCH PRACTICE**

MONTHS:- OCTOBER , NOVEMBER, DECEMBER

- **.WARM UP (GENERAL AND SPECIFIC)**
- **. TECHNIQUE THROWING FROM THE BOUNDARY LINE**
- **. MIDDLE PRACTICE**
- **.TACTICS (GROUP SPECIALISED TACTICS INVOLVING MORE THAN ONE POSITION GROUP)**
- **. GAME (SPORTS DAY PRACTICE)**

MONTH:- JANUARY , FEBRUARY , MARCH

- **.WARM UP (GENERAL AND SPECIFIC)**
- **. PLANNING FOR BATTING**
- **. PLANNING FOR BOWLING**
- **.UMPIRING RULES**

PHYSICAL EDUCATION (ATHLETICS)

MONTHS: - APRIL, MAY, JUNE

- General warm-up, General and specific exercises like, Toe-to-head or Head-to-Toe exercises
- Learning / improving basic athletic motor skills.
- Introduction of general safety and competition rules.
- Methods of strength and endurance development.
- Free play (games and sports)

MONTHS: - JULY, AUGUST, SEPTEMBER

- Methods of speed and flexibility development.
- Develop sprinting like, sprint distances of 30 to 120 mts and practice types of sprint start.
- Means of fitness development and measuring of pulse rate.
- Free play (games and sports) Improving team spirit

MONTHS: - OCTOBER, NOVEMBER, DECEMBER.

- Sports day practice.
- Develop reaction sprint, different kinds of relays and shuttle sprint over a distance.
- Improving jump-power (Long Jump), co-ordination and increasing speed running different techniques.
- Develop games and various races with a partner or with groups.
- Develop shot-put technique (O Brian)
- Free play (games and sports) Improving teamwork.

MONTHS: - JANUARY, FEBRUARY, MARCH

- Improve physical fitness through various activities.
- Free play (games and sports) Improving team spirit.

PHYSICAL EDUCATION (BASKETBALL)

MONTHS: - APRIL, MAY, JUNE

- **Special endurance training (with and without ball).**
- **Technique of fake and change of direction.**
- **Technique of fake and drive shot with defense.**
- **Basket ball match.**

MONTHS:-JULY,AUGUST,SEPTEMBER

- **Warm up (Conditioning training).**
- **Technique of one vs one (with and without ball).**
- **Technique of zone defense.**
- **Basketball match.**

MONTHS:-OCTOBER,NOVEMBER,DECEMBER.

- **Specific fitness training.**
- **Technique of giving the ball and going and taking their own position.**
- **Technique of pivot play.**
- **Technique of man to man defense.**
- **Basketball match.**
- **Sports day practice.**

MONTHS:-JANUARY,FEBRUARY,MARCH

- **Body balance and footwork.**
- **Man to man defense.**
- **Zone defense.**
- **Technique of pivot play.**
- **Basket ball match.**

PHYSICAL EDUCATION (FOOTBALL)

APRIL, MAY, JUNE

- **Physical fitness training (extensive endurance, aerobic capacity, mix endurance circuit course with continuous running)**
- **Co-ordination training (Running co-ordination, jumping & heading)**
- **Technical training (passing, shooting, dribbling, heading)**
- **Tactics (Attacking & defensive principle)**
- **Game**

JULY, AUGUST, SEPTEMBER

- **Physical fitness training (Co-ordination circuit course speed & timing, reaction & finishing)**
- **Compound technical training (receiving a ball & kicking, dribbling & shooting, kicking & heading)**
- **Goalkeeper training**
- **Tactics (Attacking tactics-Individual & collective)**
- **Game**

OCTOBER, NOVEMBER, DECEMBER

- **Physical fitness training (Endurance, strength, speed)**
- **Group tactics (combination play to maintain possession & score)**
- **Set play & functional training & Goal keeper training**
- **Game**
- **Sports day practice**

JANUARY, FEBRUARY, MARCH

- **Conditioning training**
- **Compound technical exercise**
- **Team tactics (the speed attack & defense concepts)**
- **Functional training & Goal keeper training**
- **Match practice**