ICSE Class 11 Syllabus

- **English Syllabus**

  There will be two papers as follows:
  Paper 1: English Language (3 hours) – 100 marks
  Paper 2: Prescribed Textbooks (3 hours) – 100 marks

  **PAPER I – LANGUAGE**

  1. Grammar
  2. Comprehension Passage:
  3. Composition:
  4. Report Writing:

  **PAPER II – LITERATURE**

  5. Macbeth
  6. Starlight:
  7. Hues:

- **Chemistry Syllabus**

  1. Some Basic Concepts of Chemistry
  2. Atomic Structure
  3. Periodic table
  4. Gaseous State
  5. Chemical Kinetics
  6. Chemical Equilibria
  7. Ionic Equilibria
  8. Chemical Bonding
  9. Study of Representative Elements
  10. Introduction to Organic chemistry
  11. Isomerism
  12. Types of Chemical reactions and their Mechanisms
  13. Aliphatic and Aromatic Hydrocarbons.
  14. Application of chemistry
  15. Environmental Chemistry
  16. Preparation, properties and uses of compounds of Groups 1, 2, 13, 14, 15.
  17. Relative Molecular Mass and Mole
  18. States of Matter: Structure and properties
• **Economics Syllabus**
  1. Understanding Economics
  2. Indian Economic Development
  3. Statistics

• **Physics Syllabus**:
  1. Role of physics
  2. Units
  3. Dimensions
  4. Vectors,
  5. Vectors, Scalar Quantities and Elementary
  6. Dynamics
  7. Friction
  8. Circular motion
  9. Gravitation
  10. Properties of matter
  11. Internal energy
  12. Oscillation
  13. Waves
  14. Motion in fluids

• **Mathematics Syllabus**
  1. Algebra
  2. Differential calculus :
  3. Trigonometry
  4. Coordinate Geometry
  5. Integral calculus
  6. Statistics
  7. Vectors

• **Biology Syllabus**
  1. Biomolecules
  2. Enzymes
  3. Cell membrane
  4. Multicellular: Plant and Animal Tissues
  5. Digestion
  6. Respiration
  7. Circulation
  8. Excretion
  9. Endocrine System
  10. Nervous system
  11. Locomotion
  12. Plant growth
• **Commerce Syllabus**
  1. Nature and Purpose of Business
  2. Forms of Business Organisations
  3. Stock Exchange
  4. Emerging Modes of Business
  5. Inland Trade
  6. Foreign Trade
  7. Warehousing
  8. Insurance

• **Computer Science Syllabus**
  1. Numbers
  2. Encoding
  3. High level of computer
  5. Propositional logic, hardware implementation, arithmetic operations
  6. Memory
  7. System and other software
  8. Introduction to algorithmic problem solving using Java
  9. Objects
  10. Primitive values, wrapper classes, types and casting
  11. Variable, expression
  12. Functions
  13. Array, Strings
  14. Elementary data structures and associated algorithms, basic input/output
  15. Implementation of algorithms to solve problems
  16. Social context of computing and ethical issues

• **Accounts Syllabus**
  1. Basic Accounting Concepts
  2. Journal and Ledger
  3. Cash Book and Bank Reconciliation Statement
  4. Trial Balance, Rectification, Capital and Revenue Expenditure and Income
  5. Depreciation, Provisions and Reserves
  6. Final Accounts and Concept of Trading, Profit and Loss Account and Balance Sheet (with and without adjustments), Marshalling of Balance Sheet
  7. Single Entry - Accounts from incomplete records
  8. Non Trading Organisation
  9. Bills of Exchange
  10. Introduction to the use of Computers in Accounting
• **Physical Education Syllabus**
  1. Sociological Aspects of Physical Education
  2. Physical Education
  3. Training Methods
  4. Officiating and Coaching
  5. Health Education
  6. General
  7. Nutrition: Weight Control and Exercise
  8. First Aid

• **Biotechnology Syllabus**
  1. Introduction to Biotechnology
  2. Cell Biology
  3. Growth and Development in living beings
  4. Genetics