

ICSE Class 9 Syllabus

Mathematics Syllabus :

S. No. Chapter Name :

1. Irrational Numbers
3. Triangles
5. Congruency of triangles
7. Quadrilaterals
9. Compound Interest
11. Rectilinear figures
13. Logarithms
15. Constructions of hexagons
17. Trigonometrical ratios
19. Concept of complementary angles with sine and cosine
21. Measures of central tendencies- mean
23. Mensuration (X)- Circumference and Area of a circle

S. No. Chapter Name :

2. Expansions- Squares and cubes
4. Factorization – all methods
6. Mid point theorem
8. Framing of formulae
10. Similarity of triangles
12. Indices
14. Linear simultaneous equations
16. Trigonometry- fundamentals
18. Simple 2-D problems involving one right angle triangle
20. Statistics (X)- representation of data
22. Estimating median graphically
24. Compound Interest (yearly and half yearly)

Geography Syllabus :

S. No. Chapter Name :

1. Conventional signs and symbols
3. Topographical Maps - Contour Maps
5. Volcanoes
7. Weathering
9. Soils in India
11. Natural vegetation of India
13. Transport

S. No. Chapter Name :

2. Scales
4. Structure of the Earth
6. Earthquakes
8. Importance of Oceans
10. Map work on Physical features of India – Mountains and Plateaus
12. Water Resources
14. Map Work on Physical features of India – Plains and Water bodies

Physics Syllabus :

S. No. Chapter Name :

1. Motion in one dimension
3. Spherical mirrors , Propagation of sound waves
5. Current Electricity, Estimation and units
7. Force , work, Energy and Power

S. No. Chapter Name :

2. Laws of motion
4. Reflection of light at a plane surface, magnetism
6. Refraction through a lens

Chemistry Syllabus :

S. No. Chapter Name :

1. The Language of Chemistry
3. Elements, Compound and Mixtures
5. Study of Gas Laws
7. Water
9. Periodic Properties and variations of Properties – Physical and Chemical
11. Study of Acids, Bases and Salts

S. No. Chapter Name :

2. Physical and Chemical changes
4. Matter and its Composition
6. Atomic Structure
8. Revision
10. Chemical Bonding

Biology Syllabus :

S. No. Chapter Name :

1. Respiration in Plants
3. Digestive system
5. Skin-“The Jack of All Trades”
7. Diseases: Cause and Control
9. Waste Generation and Management
11. Transpiration in Plants

S. No. Chapter Name :

2. Nutrition
4. Movement and Locomotion
6. The Respiratory System
8. Hygiene
10. Absorption by Roots
12. Photosynthesis in Plants

French Syllabus :

S. No. Chapter Name :

1. Retrouvons nos amis
3. Bon appetit
5. Chez le medecin

S. No. Chapter Name :

2. Après le bac
4. Chacun ses gouts

History/Civics Syllabus :

S. No. History :

1. The Renaissance
2. The Harappan Civilization
3. The Industrial Revolution
4. The birth and rise of Islam from Arabia to India
5. The Reformation
6. The First War of Independence (1857)
7. Growth of Nationalism

S. No. Civics :

1. Basic features of our Constitution
2. Fundamental rights and duties
3. Directive principles of state policy
4. Elections and Election Commission
5. Political Parties
6. The Union Legislature
7. The State Legislature

Computer Application Syllabus :

S. No. Chapter Name :

1. Introduction to operating system
3. Functions of Operating System
5. What is an object, method, class
7. Java Basics
9. Programming constructs
11. Iteration (Do..while, While, For)
13. Accessing method
15. Invoking method (Call by Value, Call by Reference)
17. Encapsulation
19. Constructors
21. Ms-Access
23. Table Creation

S. No. Chapter Name :

2. Types of Operating systems
4. Introduction to Object Oriented Principle(OOP)
6. Implementing object, method, class
8. Flow control
10. Selection statements (if, if..else, if..else..if)
12. Method definition
14. Creating program to accept input from console (Buffered Reader)
16. User defined type
18. Scope, Visibility, modifiers
20. Exception handling
22. Query
24. Report generation