

Delhi Public School, Srinagar

First Term Syllabus Class XI

Physics:

- Elementary Mathematics
- Physical World and Measurement
- Kinematics
- Laws of Motion
- Work, Energy and Power
- Motions of System of Particles and Rigid Body Motion

Chemistry:

- Some Basic Concepts of Chemistry
- Structure of Atom
- States of Matter
- Periodic Classification of Elements
- Chemical Bonding
- Equilibrium (Half)

Biology:

- The Living World
- Biological Classification
- Plant Kingdom
- Animal Kingdom
- Morphology of Flowering Plants
- Anatomy of Flowering Plants
- Structural Organization of Animals
- Plant Growth and Development

Mathematics:

- Sets
- Relation and Functions
- Trigonometry
- Principles of Mathematical Induction
- Complex Numbers and Quadratic Equations
- Linear Inequalities
- Permutations and Combinations
- Binomial Theorem
- Mathematical Reasoning

Engineering Drawing:

- Plane Geometry
- Construction of Circles, Semicircles and Tangents

- Construction of Ellipse, Parabola, Helix, Involute, Cycloid
- Orthographic Projections of Points, Lines, Laminae and Solids
- Section of Solid Figures
- Development of Surfaces

History:

- From the beginning of Time
- Writing and City Life
- An Empire Across Three Continents
- The Central Islamic Lands
- The Three Orders
- Changing Cultural Tradition

Political Science:

- Constitution: Why and How
- Rights in the Indian Constitution
- Election and representation
- Executive
- Legislature
- Judiciary
- Federalism
- Local government
- Constitution as a Living Document

Economics:

- Indian Economics on the eve of Independence
- Introduction to Statistics
- Indian Economy 1950-1990
- Economic Reforms Since 1991(LPG)
- Collection of Data
- Organization of Data
- Problems of Poverty in India
- Presentation of Data
- Measures of Central Tendency
- Human Capital Development

Information Practices:

- Introduction to Computer Systems
- Introduction to Programming

Web Technology:

- Introduction to Computer System
- Web Page Development

Sociology:

- Sociology and Society
- Terms, Concepts and their use in Sociology
- Understanding Social Institutions
- Culture and Socialization
- Research Methods
- Social Structure, Stratification and Social Processes in Society
- Social Change and Social Order in Urban and Rural Society

Business Studies:

- Nature and Purpose of Business
- Forms of Business Organization
- Private, Public and Global Enterprise
- Business Services
- Emerging Modes of Business
- Social Responsibilities of Business and Business Ethics
- Formation of a Company
- Sources of Business Finance

Fine Arts/C. Arts:

- Pre-Historic Rock Painting
- Art of Indus Valley
- Study the Seals of Harrapa and Mohenjodaro

Accountancy:

- Introduction to Accounting
- Theory base of Accounting
- Recording of Business Transactions
- Trial Balance
- Depreciations, Provision and Reserves
- Accounting of Bills of Exchange Transaction

English:**Main Reader (Hornbill)**

- The Portrait of a Lady
- The Laburnum Top (poem)

Supplementary Reader (Snapshots)

- The Summer of the Beautiful White Horse
- The Address

Writing Skills

- Factual description (place);
- School Notices, Agenda Notices, Circulatory Notices
- Letter to the Editor

Grammar

- Editing (error / omission)
- Rearranging of sentences

Comprehension

- At least two note-making passages and unseen ones to be done

Main Reader (Hornbill)

- We're Not Afraid to Die...
- A Photograph (poem)
- Discovering Tut : the Saga Continues

Supplementary Reader (Snapshots)

- Ranga's Marriage
- Albert Einstein at School

Writing Skills

- Factual Description (process)
- Newspaper and School Magazine report
- Article

Grammar

- Fill-ups
- Guided Composition

Comprehension

- At least two note-making passages and unseen ones to be do

Main Reader (Hornbill)

- The Voice of the Rain (poem)
- The Ailing Planet : the Green Movement's Role

Writing Skills

- Application for a job along with resume
- Factual Description (object)
- Speech

- Official Letter of Complaint, Application for one day's casual leave
- Factual Description (person)
- Business Letters (enquiry; placing an order; complaint and cancelling an order)

Physical Education:

- Yoga
- First Aid and Rehabilitation of Sports Injuries
- Sports and Environment

