

APEEJAY SCHOOL, SAKET
SYLLABUS FOR TERM-1 (2019-20)
Class XI

English

Reading Comprehension, Note-making

Writing Skills- Letter to Editor, School /College authorities (Complain, Order, Enquiry), Advertisements, Notice, Poster, Speech, Article

Grammar- Transformation of sentences, Tenses, Determiners, Editing/Omission, Process Writing, Reordering of sentences.

Literature-

Hornbill-The Portrait of a Lady, We're Not Afraid to Die....., Discovering Tut: The Saga Continues, Landscape of the Soul, (Prose)

A Photograph, The Laburnum Top, Voice of the Rain (Poem)

Snapshots- The Summer of the Beautiful White Horse, The Address, Ranga's Marriage, Albert Einstein At School (Prose)

Chemistry

1. Some basic concepts of chemistry
2. Structure of atom
3. Classification of elements and periodicity in properties
4. Chemical bonding and molecular structure
5. States of matter
6. Redox reactions
7. Environmental chemistry

Physics

1. Physical World
2. Units and Measurements
3. Motion in a Straight Line
4. Motion in a Plane
5. Laws of Motion
6. Work, Energy and Power
7. System of Particles and Rotational Motion

Biology

1. Cell - The Unit of Life
2. Biomolecules
3. Cell Cycle and Cell Division
4. Transport in Plants
5. Mineral Nutrition

6. Photosynthesis in Higher Plants
7. Respiration in Plants
8. Plant - Growth and Development
9. Digestion and Absorption

Computer Science

- 1: Programming and Computational Thinking (PCT-1) - Basics, variables, data type, conditional statements, Iteration, Lists, tuples, dictionaries, linear search
2. Computer Systems and Organisation Basic computer organisation, types of software, Language of Bits, Boolean logic, Information representation, Strings, Execution of a program, Interpreters (process one line at a time), difference between a compiler and an interpreter, Running a program, Notion of an operating system
2. Home Science

UNIT 1 Understanding Oneself: Adolescence

Ch 1 Understanding Self

- A. "Who am I"?
- B. Development and Characteristics of the self
- C. Influences on Identity
 - Biological and Physical Changes
 - Socio-cultural contexts
 - Emotional Changes
 - Cognitive Changes

Ch 2 Food, Nutrition, Health and Fitness

- Balanced Diet
- Food Groups
- Diet for Adolescent
- Factor influencing eating behaviours-Eating Disorders

Ch 3 Management of resources-Time, Money, Energy and Space

- Human and Non-Human Resources
- Managing Resources

Ch 4 Fabric around us

- Classification
- Yarn Processing
- Fabric Production
- Textile Finishing
- Properties of Fibres

UNIT 2 Understanding Family. Community and Society

Ch 5 Relationships and interactions with :significant others"

- a. Family
- b. School-peers and Educators
- c. Community and Society

Ch 6 Concerns and needs in diverse contexts

- a. Nutrition, Health and Hygiene
 - Social, Mental and Physical Health
 - Health Care
 - Indicators of Health
 - Factors affecting nutrition well being
 - Problems and Consequences-Under Nutrition
 - - Malnutrition
 - Hygiene and Sanitation
- b. **Resources availability and management**
 - Time Management
 - Space Management

Economics

Micro Economics

1. Introduction, PPC
2. Consumers Equilibrium & Demand
3. Production Function

Statistics

1. Collection of data-Primary and secondary data (Methods)
2. Census and Sampling
3. Diagrammatic Presentation- all diagrams
4. Mean, Median, Mode

Business Studies

- Chap 1 : Nature & Purpose of Business
- Chap 2 : Forms of Business Organisations
- Chap 3 : Private, Public & Global Enterprises
- Chap 4 : Business Services
- Chap 5 : Emerging Modes Of Business

Accounts

- Chap 1 : Introduction to Accounting
- Chap 2: Basic Accounting Terms
- Chap 3 : Theory Base Of Accounting

Chap 4 : Bases of Accounting
Chap 5 : Accounting Equation
Chap 6 : Rules of Debit & Credit
Chap 7 : Source Documents & Vouchers
Chap 8 : Journal, Ledger & Trial Balance
Chap 9 : Cash Book : Simple Cash Book, Cash Book with Cash & Bank Column
Chap 10 : Subsidiary Books
Chap 11 : Bank Reconciliation Statement

Mathematics

1. Sets
2. Relations and Functions
3. Trigonometric Functions
4. Principle of mathematical induction
5. Complex Numbers
6. Linear Inequalities

Informatics Practices

1. Programming and Computational Thinking (PCT-1) Basic computer organisation, Familiarization with the basics of Python programming, data-types, variable, and methods , operators Conditional statements
2. Data Management (DM-1) Relational databases, Use SQL commands to create a table, keys, and foreign keys; insert/delete an entry, delete a table. Basic SQL