

Delhi Board of School Education
Syllabus – Class 10
Academic Year 2024-25
Term 1

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Syllabus for English

Unit 1

CONTENT

- Extracts
- Michelle biography from Obama's and Mahavir Singh Phogat's biography.
- Notes on various role models

WRITING SKILLS

- Biography

GRAMMAR

- Subject-Verb Concord
- Punctuation - (commas, colon, quotation marks dashes)

VOCABULARY

- Feeling words
- Synonyms

COMPETENCIES

Read to-

- appreciate (aesthetic and literary)
- analyse
- interpret
- infer
- evaluate
- sequence
- correlate ideas

Assessment Criteria

Objective A: Analysis (i) and (iv)

Objective C: Producing Text (i) and (iii)

Unit 2

CONTENT

Plays

- Elements and features of a folktale

WRITING SKILLS

- Story writing

GRAMMAR

- Idioms and phrases
- Voice
- Modals

COMPETENCIES

Read to-

- appreciate (aesthetic and literary)
- analyse
- interpret
- infer
- evaluate
- sequence
- correlate ideas

Assessment Criteria

Objective A: Analysis (i) (ii) (iii) and (iv)

Objective D: Using Language (i) (ii) (iii) (iv) (v)

Unit 3

CONTENT

Travelogue/ Travel Book

- Kathmandu

Travel Writing- Poetry

- Travel by Stevenson

WRITING SKILLS

- Travel blog

GRAMMAR

- Reported speech
- Determiners

COMPETENCIES

Read to-

- appreciate (aesthetic and literary)
- analyse
- interpret
- infer
- evaluate
- sequence
- correlate ideas

Assessment Criteria

Objective B: Organisation (i) (ii) (iii)

Objective D: Using language (i) and (iii)

Syllabus for Hindi

Unit 1

पाठ

- एक वृक्ष की हत्या (कविता), कवि - कुंवर
- भारतवर्षोन्नति कैसे हो सकती है (निबंध), निबंधकार- भारतेन्दु हरिश्चंद्र

व्याकरण/भाषा व्यवहार और रचनात्मक लेखन

- प्रत्यय, उपसर्ग
- तत्सम/ तद्भव
- मुहावरे
- विज्ञापन लेखन
- संवाद लेखन

Unit 2

पाठ

- साना साना हाथ जोड़ि (यात्रा वृत्तान्त), लेखक - मधु कांकरिया
- सफ़ेद रात (कविता), कवि - आलोक धन्वा

व्याकरण/भाषा व्यवहार और रचनात्मक लेखन

- समीक्षा लेखन
- निबंध लेखन
- यात्रा वृत्तान्त लेखन अथवा ब्लॉग लेखन

Unit 3

पाठ

- अट नहीं रही है (कविता), कवि - सूर्यकांत त्रिपाठी निराला
- बालगोबिन भगत (रेखाचित्र), लेखक - रामवृक्ष बेनपुरी

व्याकरण/भाषा व्यवहार और रचनात्मक लेखन

- वाच्य, परिभाषा और भेद
- रस की परिभाषा और उसके नौ मुख्य भेद ((1) शृंगार रस (2) हास्य रस (3) करुण रस (4) रौद्र रस (5) वीर रस (6) भयानक रस (7) वीभत्स रस (8) अद्भुत रस (9) शांत रस)
- रेखाचित्र

Syllabus for Social Science

Unit 1- Rise of Nationalism, Historical Empathy, Source Analysis

The Rise of Nationalism in Europe:

- Allegory & Visualisations of Nation
- Vienna settlement of 1815
- Liberal Nationalism & Industrial revolution
- Conservatives
- Revolutionaries Revolt of 1830 Revolt of 1848
- Major events and people in the making of Germany & Italy
- Nationalism & Imperialism
- Colonialism and neo-colonialism

Nationalism in India:

- Idea of Satyagrah
- Khilafat movement
- Non-cooperation movement: Causes, Differing Strands within the movement & Withdrawal
- Between Non-cooperation movement & Non-cooperation movement: Idea of Swaraj, Revolutionary strands, Gandhian Constructive works and socialist movements
- Civil Disobedience movement: Causes, Differing Strands within the movement
Partition and violence against women

Unit 2- Resource Management

Resource and development:

- Classification of Resources
- Resource Planning
- Resource Conservation
- Soil; Classification, Erosion and Conservation

Forest and Wildlife Resources:

- Deforestation in India
- Conservation of Flora and Fauna:
- Approaches to conservation: Deep ecology and human-centric approach IUCN classification of Flora and Fauna
- Community and Conservation

Water resources:

- Water scarcity
- Need for Water Conservation and Management
- Multi-purpose river valley projects
- Rainwater Harvesting

Unit 3- Dilemmas of Development

Development:

- Meaning of development: One or Many
- Indicators of development: Comparison of Countries and States
- Public facilities, Sustainability of development

Gender, Religion and Caste:

- Diversity, discrimination and Prejudice Gender stereotyping
- Sexual division of labor
- Feminism
- caste and politics Religion
- Constitutional provisions against discrimination

Money and Credit:

- Barter system and its limitations
- Forms of Money & their characteristics
- Sources of credit
- Loans: advantages & disadvantages
- Miserliness & Thriftiness

Sectors of Indian economy:

- Primary, Secondary and Tertiary sector & their contribution to GDP & employment
Rise of tertiary sector
- Economic Interdependence between three sectors
- Division of Sectors- Organized and Unorganised
- Sectors on basis of ownership

Syllabus for Mathematics

Unit 1- ALGEBRA

System of linear equation in two variable,

Polynomials in one variable,

Quadratic Equations and Arithmetic Progression

Competencies:

- Generalising patterns
- Representing information mathematically
- Selecting appropriate mathematics
- applying appropriate mathematics
- solving problems
- Justifying the solutions in real life context

Assessment Criterias: B (i,ii,iii), C(ii,v), D(i,ii,iii)

Unit 2- NUMBER SYSTEM

Sets,

Real Numbers (proving irrationality, clarity of rationality and real numbers in terms of sets with representation of real numbers in general form),

Euclid Division Lemma,

Euclid Division Algorithm,

Fundamental Theorem of Arithmetic,

Concept of HCF and LCM

Competencies:

- Selecting appropriate mathematics
- Applying appropriate mathematics
- Solving problems
- Describing general rules
- Organising information in a logical structure

Assessment Criterias: A(i,ii,iii), B(ii), C(i,ii,iii,iv)

Unit 3- GEOMETRY

Magnifying 2D Geometry: Similarity, Similarity of triangles and related theorems,

Coordinate Geometry with derivation of distance formula, section formula & area of triangle,

Moving ahead in 3D geometry,

Circles Properties with related theorems,

Practical Geometry

Competencies:

- Selecting appropriate mathematics
- Applying appropriate mathematics
- Solving problems
- Describing general rules
- Organising information in a logical structure

Assessment Criterias: A(i,ii,iii), B(i,ii,iii), C(ii,v)

Syllabus for Science

Unit 1

CHAPTER 1: LINKAGES IN BODY SYSTEMS PART 1

- Nutrition in living organisms
- Respiration in living organisms
- Transportation in living organisms
- Excretion in living organisms

CHAPTER 2: CHEMICAL REACTIONS

- Representation of some chemical reactions that impact our lives through balanced chemical equations.
- Categorizing reactions into different types and their applications in daily life

CHAPTER 3: CHEMICALS AND THEIR NATURE

- Study of the chemical properties of Acids, Bases and Salts (Organic and inorganic)
- Strength of acids and bases (organic and inorganic)
- Some acids, bases and salts in our daily life (in kitchen and living beings)

Unit 2

CHAPTER 4: LIGHT

- Reflection of light by plane and curved surfaces
- Laws of reflection
- Cartesian Sign convention
- Mirror formula
- Magnification
- Refraction of light by spherical lens
- Laws of refraction
- Lens formula of Magnification
- Power of lens
- Applications of Mirrors and Lenses

CHAPTER 5: HUMAN EYE

- Structure and functions of Human eye
- Defects of vision- myopia, hypermetropia, presbyopia, astigmatism and their corrections.
- Protection of eyes
- Observing dispersion of Light through a prism.
- Formation of rainbow
- Observing scattering of Light.

- Reasons behind-
 - ✓ Blue color of sky ,
 - ✓ Danger signals are always made red,
 - ✓ The sun appears reddish-orange during the evening and morning.
- Application of properties of light in daily life

CHAPTER 6: LINKAGES IN BODY SYSTEMS PART 2

- Control and coordination in humans and plants
- Role of specific elements in control and coordination (enzymes, hormones, other biomolecules)
- Reproduction in living organisms

Unit 3

CHAPTER 7: THE UNIVERSE

- Origin (The Big Bang theory)
- Galaxies (introduction of galaxy, the milky way)
- Stars (what is a star)
- Life cycle of star
- Black hole
- The Sun (structure and composition)
- Story of formation of elements
- CERN experiment

CHAPTER 8: ELEMENTS IN OUR LIFE

- Physical and chemical properties of metals and non-metals (reaction with other elements)
- Reactivity series
- Uses of metals and non-metals in daily life (correct ways of storing different food)
- Metal corrosion and preventions. (Case Studies like why Indian railways is repairing 150 years old bridges, Loha pul, Ashoka pillar)
- Presence of metals, non-metals in combined state in the living world.

CHAPTER 9: EVOLUTION AND GENETICS

- Haldane's theory and evidences of evolution
- Darwinism and Lamarckism (Introduction, Evidences)
- Biotechnology
- Mendelian laws of inheritance
- Sex determination in Human beings
- Genetic disorders and mutation.

Syllabus for EMDD

Unit 1- Create an Online Survey

Real-life Knowledge

- Elements of primary research,
- Best practices for designing, conducting a survey and analyzing results

Digital Tools & Resources

- Designing an online survey using a Survey Tool,
- Analysing data using Spreadsheet

Competencies

- Understanding problem,
- User Research,
- Defining requirements,
- Developing success criteria,
- Demonstrating skills

Assessment Strands and Subsets

- A. Inquiring and Analyzing (i), (ii), (iv)
- C. Creating a solution (ii)

Unit 2- Innovative Requirements for a Daily-use Product

Real-life Knowledge

- Method to systematically analyze existing products, target group needs & identify gaps, wish lists

Digital Tools & Resources

- Creating Product Design
- Specification in a Document editor

Competencies

- Understanding problem,
- Defining requirements,
- Brainstorming ideas,
- Justifying design decisions,
- Detailing design as
diagrams/plans,
- Demonstrating skills

- Evaluating the Design
- against Requirements

Assessment Strands and Subsets

- A. Inquiring and Analyzing (i), (iv)
- B. Developing Ideas (ii), (iii), (iv)
- C. Creating a solution (ii)
- D. Evaluating (ii)

Unit 3- Digital 3-D Model of a Daily-use Product

Real-life Knowledge

- Elements of modeling any object in 3D,
- Guidelines for the modelling process

Digital Tools & Resources

- Develop a 3D model of the desired product using a 3D modeling tool

Competencies

- Planning,
- Demonstrating skills,
- Creating solution as per plan/design,
- Evaluating solution model,
- Deciding on Improvements,
- Outlining Impact

Assessment Strands and Subsets

- C. Creating a Solution (i), (ii), (iii)
- D. Evaluating (ii), (iii), (iv)