

Delhi Board of School Education
Draft Syllabus – Class 9
Academic Year 2024-25
Term 1

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Syllabus for English

Unit 1

CONTENT

- Travelogs, Travel Journals
- Travel Brochure-
- Poem– The Brook by Alfred, Lord Tennyson
- Poetic devices- Imagery, Symbolism
- Rhyme scheme

WRITING SKILLS

- Diary entry/ Travel journal
- Reflective journal

GRAMMAR

- Tenses (past perfect and perfect continuous)
- Subject-Verb Concord
- Vocabulary
- Feeling words
- Synonyms

COMPETENCIES

Read to-

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

Assessment Criteria

Criteria B (i, ii, iii)

Criteria C (i, ii, iii)

Unit 2

CONTENT

Plays

- The Trial
- There Can Only Be One
- Exploring the play
- Literary elements in a play
- Compare and contrast of the two plays

WRITING SKILLS

- Scene writing
- Script writing
- Grammar
- Voice
- Modals

GRAMMAR

- Transition words
- Commands and requests
- Statements
- Questions

COMPETENCIES

Read to-

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

Assessment Criteria

Criteria A (i, ii)

Criteria C (i, ii, iii)

Unit 3

CONTENT

Plays

- The Road Not Taken
- Poetic devices

Story

- The Snake and the Mirror
- Compare and Contrast
- Elements of realistic fiction

WRITING SKILLS

- Story writing
- Poem (Creative Writing)
- Intertextuality and genre- Convert story into poem
- Paragraph Writing

GRAMMAR

- Reported speech
- Determiners

COMPETENCIES

Read to-

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

Assessment Criteria

Criteria B (iii, iv)

Criteria C (i, ii, iii, iv)

Syllabus for Hindi

Unit 1

पाठ

- दो बैलों की कथा (कहानी), कहानीकार - मुंशी प्रेमचंद
- मेरे संग की औरतें (संस्मरण) संस्मरणकार - मृदुला गर्ग

व्याकरण/भाषा व्यवहार और रचनात्मक लेखन

- क्रिया और क्रिया विशेषण का परिचय तथा भेद
- लघु कथा लेखन (प्रारूप, भाषा-शैली, पात्र, विषय-सामग्री, उदाहरण, आदि, संकेतों द्वारा विभिन्न विषयों पर संकेत बिंदुओं पर आधारित लघु कथा लेखन)

Unit 2

पाठ

- पानी में धिरे हुए लोग (कविता), कवि - केदारनाथ सिंह
- जादू टूटता है (कहानी), कहानीकार - कैलाश बनवासी

व्याकरण/भाषा व्यवहार और रचनात्मक लेखन

- वाक्य परिचय तथा अर्थ के आधार पर उसके भेद
- अलंकार परिचय (अनुप्रास, यमक, श्लेष, उपमा, रूपक, उत्प्रेक्षा, मानवीकरण)

Unit 3

पाठ

- लहासा की ओर (यात्रा वृत्तांत) लेखक - राहुल सांकृत्यायन

व्याकरण/भाषा व्यवहार और रचनात्मक लेखन

- पत्र-लेखन
- निबंध

Syllabus for Social Science

Unit 1- Democratic Polity

What is Democracy?

- Features of Democracy
- Why Democracy
- Broder meaning of Democracy
- Democracy in International Organization (UNO)

Electoral Politics:

- Why Election?
- What is our system of election?
- What makes elections in India democratic?

Constitutional Design

- Democratic constitution of South Africa
- Why Do we need constitution?
- Making of the Indian constitution.
- Guiding values of Indian constitution.

Working of Institutions

- How are major policy decisions taken?
- Parliament, Political executive, Judiciary
- The Prime minister and the cabinet

Unit 2- Population & Sustainable Development

Population

- India's population size and distribution
- Population density Population is a resource or Liability for a country.
- Population growth and process of population change
- National Population Policy

Determinants of Quality Population:

- Economic activity
- Quality of population: Education Health Unemployment and its types:
- Seasonal, Disguised and Educated unemployment

Poverty: A challenge to sustainable societies (SDG 1).

- Poverty: Rural and Urban
- poverty as seen by social scientist
- poverty estimates
- vulnerable groups
- interstate disparities
- global poverty scenario
- causes of poverty
- anti-poverty measures

Food security

- Meaning of Food security
- Who are food insecure
- Calamity /disaster Public Distribution System Rationing BPL CARD Antyodaya Anna Yojna (AAY)
- Minimum Support Price, Buffer stock, Issue price, Fair price shops

Unit 3- Human Interactions with nature

Climate controls Climate: Concept

- Ecosystem
- Factors influencing India's climate
- The Indian monsoon Onset and withdrawal of monsoon
- Distribution of rainfall
- The season Monsoon as a unifying bond

Natural Vegetation and wildlife

- Factors affecting vegetation Relief: land and soil Climate: temperature, sunlight and precipitation
- Types of Vegetation Wildlife

Syllabus for Mathematics

Unit 1- NUMBER SYSTEM

Introduction of rational numbers,

Irrational numbers and real numbers with decimal expansion,

Representation of real numbers on number line

Operations on real numbers,

Rationalization of denominator,

Laws of exponents with real numbers

Competencies:

- Problem solving using appropriate mathematics
- Apply appropriate mathematics.
- Mathematical language
- Forms of mathematical representation
- Communicating mathematically through representation
- Organize information using a logical structure.

Assessment Criteria: A: (i,ii,iii) C: (i,ii,iii,iv,v)

Unit 2- ALGEBRA

POLYNOMIALS:

- Definition of a polynomial in one variable
- Coefficients of a polynomial, terms of a polynomial and zero polynomial
- Degree of a polynomial
- Zeros of a polynomial
- Division of a polynomial by a polynomial (long division method)
- Remainder Theorem
- Factorization of polynomials: factor theorem
- Factorization of quadratic polynomial by splitting the middle term and using factor theorem
- Verification of identities and their use in factorization of polynomials

COORDINATE GEOMETRY:

- Cartesian system Plotting a point in Cartesian system.
- Linear Equations in two variables: Recall of linear equations in one variable. Introduction to the equation in two variables.
- Standard notation of linear equation of two variables: $ax + by + c = 0$.

- Solution of a linear equation.
- Graph of linear equations in two variables.
- Equations of lines parallel to x-axis and y-axis

Competencies:

- Selecting appropriate mathematics
- Applying appropriate mathematics
- Problem solving
- Mathematical language
- Describing general rules
- Communicating mathematically through representation
- Organizing information using a logical structure

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

Unit 3- TRIGONOMETRY

Trigonometric ratios of an acute angle of a right-angled triangle.

Proof of their existence (well defined);

Motivate the ratios whichever are defined at 0° and 90° .

Values of the trigonometric ratios of 30° , 45° and 60°

Competencies:

- Selecting appropriate mathematics
- Application of mathematics.
- Problem solving
- Communicating mathematically
- Describing general rules
- Organize information using a logical structure.

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

Syllabus for Science

Unit 1

CHAPTER 1: CELL- THE FUNDAMENTAL UNIT OF LIFE

- Cell as the basic unit of life
- Discovery of cell
- Use of microscope/foldscope for observing cells
- Variety in shapes and sizes of cell
- Structural organization of cell
- Cell organelles
- Prokaryotic and Eukaryotic cells
- Unicellular and multicellular organisms.
- Stem cells
- Cell division- An introduction

CHAPTER 2: TISSUES

- Definition of tissue
- Classification of tissues
- Plant tissues - types & functions
- Animal tissues– types & functions

CHAPTER 3: HEALTH AND DISEASES

- Meaning of health
- Significance of health
- Diseases and causes
- Acute and chronic diseases
- Infectious and non-infectious diseases(COVID-19 & other emergent diseases with case studies) - Principles of treatment
- Principles of prevention of diseases
- Vaccination/immunization
- How to maintain good health

Unit 2

CHAPTER 4: MATTER IN OUR SURROUNDINGS

- Physical nature of matter
- Characteristics of particles of matter
- States of matter (including introducing the terms plasma and Bose-Einstein condensate) - Change of states of matter
- Evaporation, factors affecting it and its effect
- Significance of the change in states of matter in daily life

- Use of the changing states of matter.

CHAPTER 5: MATTER AROUND US- PURE OR IMPURE

- Types of mixtures: solution, colloids, suspension
- Properties of solutions, colloids and suspension
- Concentration of a solution
- Separation of components of mixtures
- Types of pure substances and compounds
- Metals and non-metals: physical properties
- Impact of the non-judicious use of substances and sustainable use of substances

Unit 3

CHAPTER 6: MOTION

- Standard measurement of basic quantities (Mass, Length and Time) in different system of units (SI, MKS, FPS, CGS) with prefix & Suffix, unit conversion
- Rest and motion
- Distance and displacement
- Speed and velocity
- Uniform and non-uniform motion along a straight line
- Acceleration
- Graphical representation of uniform and non-uniform motion along a straight line (position-time & velocity time)
- Equations of motion (derivation by using graphical method)
- Applications of equations of motion.

CHAPTER 7: FORCE AND LAWS OF MOTION

- Force
- Interaction of bodies (push & pull)
- Balanced & unbalanced forces
- Inertia
- First law of motion (Galileo's experiments/observations, inertia of a body and its type) - Momentum,
- Second law of motion (Momentum)
- Mathematical formulation and application of second law of motion
- Impulse
- Third law of motion (action and reaction)
- Conservation of linear momentum
- Uniform circular motion
- Centripetal force.
- Applications of laws of motion
- Impact of understanding about Force on human society

CHAPTER 8: WORK AND ENERGY

- Work
- Energy
- Forms of energy
- Kinetic energy and its expression
- Potential energy and its expression
- Law of conservation of energy (Eg. freely falling body)
- Power
- Commercial unit of energy

Syllabus for EMDD

Unit 1- Enhance an Everyday-use Product

Real-life Knowledge

- Method to analyze existing products, target group needs & identify gaps, wish lists.
- Create and Communicate an enhanced product design aided by sketches.

Digital Tools & Resources

- Creating a Concept
- Document in a Document
- Editor

Competencies

- Understanding problem,
- Defining Requirements,
- Developing success criteria,
- Brainstorming ideas,
- Planning,
- Detailing design as diagrams/plans,
- Deciding on Improvements,
- Outlining Impact

Assessment Strands and Subsets

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

Unit 2- Develop a Learning Game

Real-life Knowledge

- Essential Game Elements
- What makes a great
- Learning Game?

Digital Tools & Resources

- Build a Game using Block
- Programming (Scratch Platform)
- Document Editor

Competencies

- Analysing existing solutions,
- Defining Requirements,
- Analysis of existing solutions,
- Brainstorming ideas,
- Planning,
- Deciding on Improvements,
- Outlining Impact

Assessment Strands and Subsets

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

Unit 3- Create a Comic Strip

Real-life Knowledge

- What makes a great comic story?
- Basics of creating a comic story

Digital Tools & Resources

- Create a Comic using a Comic Design App

Competencies

- Analysing existing solutions,
- Defining Requirements,
- Brainstorming ideas,
- Detailing design as diagrams/plans,
- Demonstrating skills,
- Creating solution as per plan/design,
- Deciding on Improvements

Assessment Strands and Subsets

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