

English I

**(Based on new curriculum issued by the council for the Indian School Certificate  
Examination, New Delhi  
First – Edition Nov 2016, Published by RDCD)**

**First Term Syllabus**

1. The Sentence: Definition, Statements, Interrogative Sentences, Imperative Sentences, Exclamatory Sentences.
2. Sentence Patterns – Simple Sentence, Compound Sentence, Complex Sentence
3. Subject and Predicate
4. Kinds of Nouns with Gender , Number
5. Adjectives- Kinds , Order of Adjectives, Adjectives used as Nouns
6. Adjectives of Comparison
7. Articles: Indefinite Articles, Definite Article, Omission of Articles, Repetition of Articles
8. Pronouns: Personal Pronouns, Relative Pronouns
9. Adverbs: kinds of Adverbs, Position of Adverbs, use of Adverbs
10. Active and Passive Voice
11. Tenses: Simple Present, Present Continuous, Simple Past, Past Continuous, Present Perfect, Present Perfect Continuous, Past Perfect, Past Perfect Continuous
12. Letter Writing- simple formal and informal letters.
13. The Phrase: Noun Phrases, Adjective Phrases, Adverb Phrases
14. Clauses – Noun Clauses, Adjective Clauses, Adverb Clauses
15. Sound Words: Usage
16. Composition.- Descriptive, Narrative, Picture
17. Introduction to Precis writing
18. Comprehension: 1) The Magic  
2) How all things began  
3) Never Said I  
4) Black Beauty  
5) The Hero

**Second Term Syllabus**

1. Tenses: Simple Future, Future Continuous, Future Perfect and Future Perfect Continuous
2. The Infinitive
3. The Participle
4. The Gerund
5. Prepositions
6. Conjunctions
7. Active and Passive Voice(Continued)
8. Punctuation: Capital letters/ Full stops/ Question Marks.
9. Idioms
10. Direct and Indirect Speech

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19. Synthesis of sentences
20. Interjections
21. Possessives
22. Precis writing (Continued)
23. The same word used as a different part of speech
24. Letter Writing and Composition to continue. (Continued)
25. Composition: Descriptive, Narrative, Picture (Continued)
26. Comprehension:
  - 1) The morning trials of Uncle Podger
  - 2) Ahom Architecture-A Blog post
  - 3) The White Elephant
  - 4) Brigands of the moon
  - 5) Ashley's Guitar

**Note : High School English Grammar & Composition to be referred for further material on grammar .**

**Teaching Points and Learning objectives**

**Written communication**

The length of a composition should be about 200-250 words. In this class too the stress should *not* be on form. Form will come naturally into the more detailed and complex functions which will be mastered in this class. Pupils should be made aware of the unit of a paragraph.

**Functions**

1. To describe specific situations e.g. streets during rains, break time in school.
2. To describe specific objects/ processes.
3. To describe character expressing approval/disapproval e.g. campaign notice for class election.
4. To explain how to use an object or explain the function of an object
5. To explain the rules of games and activities, famous personalities.
6. To express opinions (like/dislike) about people, situations.
7. To ask someone to do a favour, to persuade someone to do something, to convince someone about something.'
8. To agree or disagree with an opinion.
9. Composition of simple dialogues, which may later be spoken.
10. Dramatisation of stories for class acting.
11. To fill in forms, to interpret graphs and tables.
12. Pictures used as an extension of the imagination.
13. Letters to friends, relations, of description and discussion.
14. Reproduction of information acquired by reading and listening.
15. Group discussion.
16. Listen and comprehend topics.

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**Correct Language Skills**

(Emphasize on full sentences referring to actual situations).

1. The sentence: subject and predicate.
2. Agreement of verb and subject.
3. Correct use of the articles.
4. Prepositions (i) expression of place. (ii) expression of time.
5. The word home: with and without preposition
6. Simple and progressive forms of the present tense.
7. Simple and progressive forms of the past tense.

English II

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**First Term Syllabus**

1. Engine Trouble
2. The Trojan Horse
3. *Stopping by Woods on a Snowy Evening*
4. Secrets
5. *The Singers*
6. Charles
7. *A Slumber did my Spirit Seal*
8. Jane Eyre at Lowood Institution
9. *The Hero*
10. The Diamond Necklace

**Second Term Syllabus**

11. The Scarlet Pimpernel
12. The Christmas Truce
13. *The Lake Isle of Innisfree*
14. Tom Comes Home
15. Hearts and Hands
16. *If*
17. A Midsummer Night's Dream
18. *Under the Hazy, Blossom-laden Sky*
19. The Cat
20. *Ring Out, Wild Bells*

**Note : In Eng 2 Syllabus, words in Italics indicate poems**

**Teaching Points and Learning objectives**

**Literature In English**

**(i) Class Reading :**

1. One-act plays.
2. Narrative and descriptive prose, e.g., adventure, humour, tales of other lands, travel stories, descriptions from natural history, scenes from historical novels.
3. Poetry : tales in verse, both humorous and serious ballads; short lyrics; narrative poems; Indians verse.

**(ii) Extensive Reading.**

It is recommended that pupils should read at least *six books* out of class, under the direction of the teacher, and discuss them informally in class.

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**1<sup>st</sup> Term Syllabus**

**Gunjan Hindi Pathmala-7**

- 1)Nadi
- 2)Yeh Mera:Yeh Meet Ka
- 3)Meethaiwala
- 4)Sarfaroshi Ki Tamanna
- 5)Peheli Boond
- 6)Sneh Pagi Pati
- 7)Nishthur Anukampa
- 8)Leek Par Ve Chale
- 9)Vritchitro Ki Duniya

**Bhasha Adhigam Evam Vyakaran-7**

- 1)Bhasha,Lipi Aur Vyakaran
- 2)Varn-Vinyas
- 3)Shabd Rachana
- 4)Upasarg Aur Pratyay
- 5)Sangya,Sangya Ke Vikaar
- 6)Vachan
- 7)Karak
- 8)Sarvanam
- 9)Muhavare
- 10)Anekarthi,Paryaywachi Evam Vilom Shabd
- 11)Patra Lekhan
- 12)Nibandh Lekhan/Diary Lekhan/Kahani Lekhan/Chitra Lekhan

**2<sup>nd</sup> Term Syllabus**

**Gunjan Hindi Pathmala-7**

- 1) Rakhi Ka Mulya
- 2) Adwitiya Poorvottar bharat
- 3) Surdas Ke Pad
- 4) Samayaan
- 5) Namak Ka Daroga
- 6) Toofano Ki Oor

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- 7) Sushrut
- 8) Teen Prashna
- 9) Jayagaan

**Bhasha Adhigam Evam Vyakaran-7**

- 1) Visheshan
- 2) Kriya
- 3) Kaal
- 4) Vachya
- 5) Avyay
- 6) Vakya-Vichar
- 7) Viram-Chinha
- 8) Vakya Shodhan
- 9) Vakyansho ke Liye Ek Shabd, Samshrut-Bhinnarthak Shabd Evam Ekarthak Shabd
- 10) Nibandh Lekhan / Anuched Lekhan
- 11) Apatith Gadyansh
- 12) Patra Lekhan

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**1<sup>ST</sup> TERM**

**SAHITYA MALA-3**

- 1) Do Mahan
- 2) Azadi Ke Diwane
- 3) Shrvan Kumar
- 4) Mrityu Par Vijay
- 5) Chotu Lambu
- 6) Veer Bajirav

**GRAMMAR**

- 1) Vachan
- 2) Paryayvachi
- 3) Anek Shabdo Ke Liye Ek Shabd
- 4) Vilom Shabd
- 5) Translation
- 6) Essay

**2<sup>ND</sup> TERM**

- 1) Mahakavi Kalidas
- 2) Sachai Ka Sufal
- 3) Paisa Aur Putra
- 4) Jhootha Ber
- 5) Nidra Bhang
- 6) Jadoo Ki Dibiya

**GRAMMAR**

- 1) Vachan
- 2) Paryayvachi
- 3) Anek Shabdo Ke Liye Ek Shabd
- 4) Vilom Shabd
- 5) Translation
- 6) Essay
- 7) Letter Writing

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Grammer

- 1) Sandhi
- 2) Uddashe o Bedaho
- 3) Byaker bibhenno padher parosporik samporker o chinho
- 4) Karok samporko ( Karta , Karmo , Karon, Nimetto, Apadan, Adhikaran)
- 5) Sudho o Asudho
- 6) Samoccharito Vinnathak Sabhdo
- 7) Beeporit Sabhdo
- 8) Sadhu chalet
- 9) Bagdhara
- 10) Saral bakya , Jateel bakya, jyogaik bakya
- 11) Prabandho
- 12) Patra likhan , Byktigata , Bidhalaya sankranto
- 13) Bodh parikshen

Sahitya Prasanga – Galpo

- 1) Banglar Rup – Rabindra nath Thakur
- 2) Kashmirer kayak din – Ajit kumar Ghosh
- 3) Ghinuk kaheni – Sanjib Chattopadhyia
- 4) Rammohan –Narayan Gongopadhyia
- 5) Everest er chura theke – Satyabrato Das
- 6) Paribesh Dushen : ozen – Surjendu Bikesh Kar Mahapatra

Sahitya Prasanga – Kabita

- 1) Parthana – Prionbada Devi
- 2) Bango Vasha – Michel Madhu sudan Dutta
- 3) Prashna – Rabindra nath Thakur
- 4) Aber Aashibo fire – Jibonananda Das
- 5) Palli janoni – Kaji Najrul Islam
- 6) Janoni Janmobhumi – Subhes Mukhopadhyia

Galpo sankolan

- 1) Mahabharater katha – Upendra kishor Roychoudhury
- 2) Talnabome – Bibhuti bhushan Bandhopadhyia



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**1<sup>st</sup> Semester**

- 1) Dial B For Bengali Lesson 2,3,4,5  
Kabita Ake JE Aache Majer Desh
- 2) Sahaj Bangla Path – Prothem Bhag  
Path 1-3 ,7  
Kabita - Kanna Haseer palla, Aajob Khela
- 3) Aamilikhi 1- 24

**2<sup>nd</sup> Semester**

- 1) Dial B For Bengali  
Lesson 6,7,8
- 2) Sahoj Bangla Path – 1<sup>st</sup> P  
Path 9,11,14  
Kabita – Nando Khuro  
Khanto Buri
- 3) Aamilikhi 25 – 48
- 4) Onuchhed Rochona

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**1<sup>ST</sup> TERM**

- 1) Poem :-
  1. Mummy
  2. Hasta Ramta
- 2) Prose :-
  1. Rang be Rang Ramkda
- 3) Paragraph Writing
- 4) Comprehension
- 5) Vyakaran – Virodhi, Samanarthi Shabda, Vakya Rachna, Relationship, Translation. Ling
- 6) Samanaya Gyan

**2<sup>ND</sup> TERM**

- 1) Prose :-
  1. Raja ni Maja
  2. Saslu
- 2) Vyakaran- Revision of First Term
- 3) Samanaya Gyan
- 4) Genaral Question & Answer
- 5) Paragraph Writing
- 6) Comprehension

**Mathematics**

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**1<sup>st</sup> Term syllabus**

1. Integers
2. Fractions & Decimals
3. Rational Numbers
4. Sets
5. Percentage & its Applications
6. Algebraic Expressions
7. Lines & Angles
8. Practical Geometry
9. Visualising Solid Shapes
10. Perimeter & Area

**2<sup>nd</sup> Term syllabus**

1. Exponents and Powers
2. Ratio and Proportions
3. Algebraic Expressions (Continued)
4. Linear Equations and Inequalities
5. Triangles and its properties
6. Congruence of Triangles
7. Practical Geometry (Continued)
8. Symmetry
9. Perimeter and Area (Continued)
10. Data Handling

History

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**Term – 1**

1. Rise and Spread of Islam
2. The Delhi Sultanate
3. Vijaynagar and Bahamani Kingdom
4. Medieval Europe-Rise and Spread of Christianity
5. The Constitution of India

**Term- 2**

1. The Mughal Empire
2. Making of Composite Culture
3. Citizenship and Fundamental Rights and duties.
4. Directive principles of State Policy

**Note:** All the chapters highlighted in blue will be considered as 20% of the First Term in the Annual Evaluation.

Geography

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**1<sup>ST</sup> Term Syllabus**

1. Representation of Geographical features.
2. Atmosphere.
3. Weather and Climate
4. Study of Continents: Europe and Africa
5. Case study: Tourism in Switzerland and Cocoa Cultivation in Ghana

**2nd Term Syllabus**

1. Weathering and soil formation
2. Industries.
3. Energy and Power Resources.
4. Study of the Continents: Australia and Antarctica
5. Case Study: Sugarcane cultivation in Queensland.

**Map Marking**

1. Europe and Africa
2. Australia

**Project**

1. Importance of Atmosphere.
2. Conservation of Energy and power resources.

**Teaching Points and Learning Objectives**

**Practical Work**

1. Measuring distance.
2. Diagram showing four cardinal and four intermediate directions.
3. Drawing of conventional signs – international boundary, state boundary, district boundary, capital city, river, metallic road and nonmetallic road.

**Atmosphere**

1. Structure of Atmosphere.
2. Importance of Atmosphere.
3. Green House Effect.
4. Global Warming

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**Weather and Climate**

1. Difference between weather and climate.
2. Weather forecast
3. Factors affecting weather and climate.
4. Forms of Condensation and Precipitation.

**Weathering and Soil Formation**

1. Types of Weathering: Mechanical, Chemical, Biological.
2. Soil: Formation, Erosion and Conservation.

**Industries**

1. Classification of Industries.
2. Factors that influence the location of Industries.
3. Major Industries.
4. Industrial Pollution.

**Energy and Power Resources.**

1. Power resources: Conventional and non conventional
2. Conservation of power resources.

**Europe**

1. Location – area.
2. Physical features – mountains and plateaus, deserts, rift valleys, rivers.
3. Climate and natural vegetations.
4. Natural resources and their utilization – water resources, forests, wild life, minerals, crops.
5. The People
6. Political divisions of Europe (through map).

**Case Study**

Tourism in Switzerland

**Africa**

7. Location – area.
8. Physical features – mountains and plateaus, deserts, rift valleys, rivers.
9. Climate and natural vegetations.
10. Natural resources and their utilization – water resources, forests, wild life, minerals, crops.
11. The People
12. Political divisions of Africa (through map).

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**Case study**

1. Cocoa cultivation in Ghana.

**Australia**

1. Location – area.
2. Physical features – the Eastern Highlands, the Central Lowlands, the great Western Plateau, the Great Artesian Basin, the Great Barrier Reef, Rift Valley of Australia.
3. Climate
4. Resources and their utilization – natural vegetation, wild life, agriculture, sheep rearing, cattle rearing, minerals and industries.
5. Political divisions (through map) and important cities.

**Case study**

1. Sugarcane cultivation in Queensland.

**The Antarctica**

1. Antarctica as a continent.
2. Discovery of Antarctica.
3. Expedition of Indians to Antarctica

Computer Studies

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**1<sup>st</sup> Term Syllabus:**

1. Computer Hardware Components
2. Number System - An Introduction
  - a) Classification of Binary, Octal, Hexa-decimal and decimal number system
  - b) Change of base of a number system to another base
3. Computer Virus
4. Spreadsheets - An Introduction
5. Scratch (Practical)
  - a) Programs on 2D design
  - b) Animated Story using broadcast messages and multiple sprites
  - c) Use of multiple backdrops in scratch

**2<sup>nd</sup> Term Syllabus:**

1. Ethics and Safety Measures in Computing
2. Database and DBMS - An Introduction
3. HTML - Advanced Features
4. Scratch (Practical)
  - a) Create Games using Geometrical Figure (Maze)
  - b) Create Games using Events
  - c) Use of multiple Operators in Scratch
  - d) Mathematical calculation in Scratch

**Suggested Learning Resources:**

1. Office 2013 (Microsoft Excel)
2. OpenOffice 4
3. Scratch 3.29.1 / Scratch-461



Physics

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1. Measurement
2. Force and motion
3. Sound
4. Reflection of light
5. Light and shadow
6. Heat
7. Electricity

**Teaching Points and Learning objectives**

**Measurement**

1. Mass and weight -the difference between them —units used - spring balance, beam balance.
2. Density definition — units of measurement — simple calculations based on the formula  $D = \frac{M}{V}$   
variations in the density of gases and liquids with temperature — convection currents (in liquids/gases) arise as a result of this — floating and sinking (with reference to density).
  - a. Using a spring balance / beam balance
  - b. Using a density bottle to find the density of liquids

**Force & motion**

1. Motion — change in position with respect to a set of stationary landmarks.  
Types of motion and examples of the same —translatory (rectilinear and curvilinear), rotatory, oscillatory motion.
2. The motion of a simple pendulum — definitions of one oscillation, amplitude, time period, rest or mean position.
3. Uniform and non-uniform motion
4. Speed, velocity — the difference between them. Calculating speed from the formula:  
 $S = D \times T$  and using the correct units.  
Acceleration.  
 $v = u + at$  and simple problems based on this equation.  
Students need to identify & clearly initial and final velocity, and acceleration.
5. Observing examples of different kinds of motion and classifying them.
6. Finding the time period of a simple pendulum
7. Making a seconds pendulum.
8. Exploring the relationship between the time period and the length of the pendulum! The mass of the bob.  
Optional — may be taken as additional project work.

Physics

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**Sound**

1. Sound is caused by vibrations - sources of sound the human voice, names of common musical instruments identifying which part vibrated to produce sound.
  - a. Distinguishing between loud/soft sounds; high/low pitch; musical sounds/noise
  - b. Differentiating between loudness and pitch.
  - c. Defining amplitude, frequency
2. Every sound has the following three properties;
  - a. Loudness — dependent on the amplitude of the vibrations.
  - b. Pitch – dependent on the frequency of the vibrations.
  - c. Quality – dependent on which part of an instrument is vibrating.
3. Sound needs a medium for propagation — travels faster through solids than through liquids/gases – applications: sonar apparatus, echoes — speed of sound in air.
4. Decibel – some samples of decibel levels — noise pollution — causes and steps to reduce it — sound insulation are useful in some spaces (e.g. recording studios). Making improvised musical instruments and finding how to vary the pitch, loudness and quality of the notes

**Heat**

1. The effects of heat: rise in tempera (revision of thermometer, Celsius scale): fire (flammable /nonflammable substances), change of state (revision of terms: melting, solidification boiling, condensation, evaporation sublimation) expansion
2. Equal lengths of different solids expand by different amounts when heated equally.
3. Equal amounts of different liquids expand by different amount when heated equally.
4. Some applications in everyday life.
5. Transfer of heat — conduction, convection and radiation.
6. Conductors and insulators
7. Convection currents in liquids and gases.
8. Absorption and reflection of radiant heat polished and dark bodies
9. Everyday applications
10. Thetherinos flask

**Caution:** Train students to take Simple precautions against burn injuries/ fires.

- Simple improvised experiments - conduction and convection
- Examining and drawing a labelled diagram of a thermos flask.
- Compound bar, unequal expansion of different liquids.

**Light**

1. Sources of light (sun, fire, electric bulb and fluorescent tubes heated bodies) - luminous and non-luminous bodies—how we see the Moon —bioluminescence (brief mention).
2. Transparent translucent and opaque bodies/materials — examples.

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3. Rectilinear propagation of light -- pinhole Camera - variations caused by changing distance between screen and pin hole — simple ray diagrams to show formation of image.
4. Shadows — umbra, penumbra — eclipses of the sun and the moon — simple ray diagrams.
5. Images formed by a plane mirror — their properties same size as object, as *far* behind the mirror as the object is in front, lateral Inversion
6. The Laws of Reflection — definitions of incident and reflected rays, normal at the point of incidence incident and reflected angle. Regular and diffuse reflection.
7. Drawing a ray diagram for an image formed by a plane mirror.
8. Spherical mirrors: convex and concave mirrors centre of curvature, pole, radius of curvature principal axis, focus of a concave mirror.
9. Image formation by a concave mirror for different positions of the object — drawing ray diagrams for the same.
10. Understanding the differences between real and virtual Images.
11. The image formed by a plane mirror is also a virtual image.
12. Image formations by a convex mirror its focus – ray diagrams.
13. Some uses of curved mirrors.
  - a. Formation of an image by a plane mirror — changes observed using objects of different heights, different distances from the mirror can the image be obtained on a screen 2
  - b. Formation of images by a concave mirror

Classifying a set of objects/materials as luminous/non-luminous, transparent translucent / opaque.

Construction of a simple pinhole camera

Exploring the properties of images formed in a plane mirror using a mirror strip, a ruler and a small doll or paper-cutout (or other suitable object).

**Electricity**

1. Sources of electricity — cell battery/mains.
2. Effects of electricity — provides heat, light, movement, can make electromagnets, electroplating.
3. Simple electric circuits — electricity can flow only in a complete circuit starting at one terminal and ending at the other — conductors and insulators — the entire circuit must be made up of conductors — switches.
4. Circuit diagrams — using symbols for a cell, a bulb, a switch etc.  
**Note:** arrow in direction of conventional current.
5. Electricity at home — meters determine consumption and we have to pay for it — fuses/miniature circuit breakers protect the house from electrical fires by breaking a circuit — parallel circuits allow us to use different parts of the household separately (to be explained with a model/simple circuit diagram).
6. Construction of a simple dry cell — simple cross-section drawing of the same - other types of cells which are commonly available (no construction details required).
7. Simple rules for the safe use of electricity at home.
8. Need to conserve electricity.

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**Caution:** Warn students never to conduct any experiments using mains supply. For their experiments, they only need a fresh dry cell, insulation tape, wires and a variety of insulators and conductors.

1. A simple improvised circuit with a switch and a torch bulb — to be used for checking the conditions under which electricity will flow and also finding out about conductors and insulators.
2. Locating the meters in a building, watching them at work- learning to read all electric meter.
3. Looking at fuses/ MCBs; parallel circuit —set tip on a board.
4. Looking at and drawing the cross-section of a cut- up dry cell.
5. Survey of electrical usage in their houses —for a set period of time daily listing examples of wastage and identifying possibilities for conservation.

Chemistry

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**1<sup>st</sup> Term**

- 1. Matter and its composition-**
  - Properties of matter
  - State of matter
  - Intermolecular distance and force
  - Arrangement of molecules in solid, liquid and gas
- 2. Physical and chemical change**
  - Types of changes
  - Physical change and chemical change with example
  - Energy change involve during physical and chemical change
  - Changes that involve change in state of matter.
- 3. Elements, compound and mixture (experimental techniques)**
  - Symbol of elements
  - Component and its formations
  - Chemical formula
  - Types of mixture
  - Separation of mixture
  - Methods of separating different types of mixture
- 4. Atomic structure**
  - Define atom and molecules
  - Ions and radicals
  - Atomicity
  - Variable valency
  - Introduction of periodic table

**2<sup>nd</sup> Term**

- 5. Language of chemistry**
  - Chemical reactions and its characteristics
  - Chemical equations
  - Balancing of chemical equation

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**6. Metal and non metal**

- Metal, its occurrence, properties
- Rusting, method to prevent rusting
- Use of metal & non- metal
- Metalloids

**7. Air and atmosphere**

- Composition of air
- Combustion
- Mass change during burning.
- Reaction of metal & non-metal with oxygen
- Acid rain
- Air quality
- Properties of oxygen

**Biology**

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**1<sup>st</sup> Term**

1. Plant tissues
2. Animal tissues
3. Classification of the living world
4. Classification of Animals
5. Photosynthesis

**2<sup>nd</sup> Term**

1. Respiration in plants
2. Excretory system in humans
3. Nervous system in humans
4. Allergy
5. Test paper 1
6. Test paper 2

**Teaching Points and Learning objectives**

**Plant tissues**

1. Meristematic tissue, types
2. Permanent tissue-simple, complex
3. Xylem and phloem, xylem-phloem differences

**Animal tissues**

1. Epithelial tissues-types, functions
2. Muscular tissues- involuntary ,voluntary and cardiac muscles
3. Nervous tissue
4. Connective tissue-types
5. Plant animal tissues differences

**Classification of the living world**

1. Advantages of classification
2. System of classification, drawbacks of two-kingdom classification
3. The five-kingdom classification
4. Monera, Protista, Fungi, Plantae, Animalia
5. Invertebrates and vertebrates

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**Photosynthesis**

1. Structure of stomata, raw materials for photosynthesis
2. Photosynthesis – process, factors
3. Significance of photosynthesis

**Respiration in plants**

1. Respiration, types, respiration and combustion
2. Respiration in plants
3. Respiration and photosynthesis
4. Respiration-differences in plants and animals

**Excretory System in Humans**

1. Types of excretory products in humans
2. Structure of kidneys, urine formation
3. Common disorders of the urinary system

**Nervous system in Humans**

1. Neuron-structural unit of the nervous system
2. Types of nerves ,organs of nervous system
3. Organs of the nervous system-brain and spinal cord, reflex action
4. Multicellular plants and animals:

**Allergy**

1. Allergy-types, diagnosis
2. Symptoms of allergy
3. Prevention and care
4. Some common allergies



**Socially Useful Productive Work (SUPW)**

**(Based on new syllabus issued by the council for the Indian School  
Certificate Examination, New Delhi  
First – Edition Nov 2016, Published by RDCD)  
Scope of Syllabus as per School Compendium for teaching SUPW**

1. Health and hygiene
2. Food
3. Shelter
4. Clothing
5. Culture and gardening
6. Community work and social service

**Teaching Points and Learning Objectives**  
**Activities practices, crafts and services**

**Health and hygiene**

1. Making of tooth powder, chalk sticks, candles, shoe polish, soap, detergents, broom, wastepaper baskets, dust bins, compost manure etc.
2. Preparation of health posters.
3. Keeping of health records.
4. Keep the neighbourhood clean.
5. Working at health centres.
6. Growing medicinal plants.
7. Working for eradication of communicable diseases.
8. Provision of para-medical services.

**Food**

1. Growing of selected vegetables, ornamental plants.
2. Seed collection, soil testing.
3. Experimentation with different kinds of soil, different kinds of manure.
4. Vegetative propagation by cutting, breeding, grafting.
5. Vegetative reproductivity layering, soil conservation.
6. Making jam, jelly, ketchup, pickles, and bakery items. Running canteens for specific periods.
7. Working in Agro – industries and on kitchen gardening, pot culture, crop and seed production, soil conservation and desert control, bee-keeping, poultry, bakery, confectionery, cooking.

**Shelter**

1. Making articles of use with the help of available material.
2. Polishing doors, windows and furniture.
3. Casual labour tasks in school.
4. Bamboo work, house carft, carpet weaving, etc.
5. Working on potter.
6. Mechanical, electrical and electronic workshop practice.

**Socially Useful Productive Work (SUPW)**

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First – Edition Nov 2016, Published by RDCD)**

**Clothing**

1. Making school bags, school flags, table cloth, pillow cases, table mats.
2. Production of cotton/wool/silk and other fibres. Dress making, knitting hosiery work, embroidery, leather work.

**Culture and Gardening**

1. Toy making, making of artificial flowers, items, games material etc.
2. Preparing cards for festivals, designing fancy covers for books, book-binding, fancy candle-making, puppets, musical instruments, and photography.

**Community work and social service**

1. Helping adults in their work.
2. Keeping the school and its neighbourhood clean.
3. Helping in the care of the sick at home, in school and in the community.
4. Offering first aid when needed.
5. Helping organizers at festivals and during functions.
6. Helping police and public in traffic control.
7. Helping in literacy campaigns.
8. Surveys of the activities of business and industrial set-ups in the neighbourhood.

**Curriculum Transaction – Aspects of emphasis**

**Academic Areas**

**Knowledge of**

1. Needs and problems of the community
2. Availability of resources

**Concern for the community and environment**

Interests, attitudes and values, concern for the community and the environment. Interest in the activity in which participating as demonstrated through:

1. Discipline
2. Dignity of labour
3. Initiative
4. Originality
5. Self reliance

**Process of work**

1. Planning and execution of work in the desired sequence.
2. Correct selection of tools as also their maintenance and manipulation.
3. Adherence to safety rules

**Socially Useful Productive Work (SUPW)**

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**Product of work**

1. Quality of the finished product
2. Originality
3. Sale ability of the products

**Report**

**Evaluation Criteria**

1. Collection and interpretation of information
2. Self evaluation
3. Social usefulness of the task
4. Precautions taken
5. Results obtained

**Format of a teaching learning unit**

1. Area under which the content unit falls
2. Class
3. Estimated time for the completion of the task
4. Other inputs/tools etc. as needed
5. Steps of operation
6. Procedures for evaluation

**Evaluation of proficiency levels coverage**

1. In regard both product and service oriented activities evaluation may have the following criteria.
  - Subject matter
  - Skills
  - Work attitudes
  - Interests
2. Evaluation of all segments of growth.
3. Evaluation of both product and process performance.
4. Evaluation by the teacher who teaches with appropriate checks and balances for containing biases.
5. Evaluation in real life situations and not in hypothetical or contrived settings.

Physical Education

**(Based on new syllabus issued by the council for the Indian School  
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First – Edition Nov 2016, Published by RDCD)**

**General**

1. Exercises- warming up and cooling down
2. Stretching exercises
3. Exercises related to particular sports
4. Table tennis, cricket, soccer tournaments for boys
5. Table tennis and carom tournament for girls
6. Volley ball and badminton for girls
7. Exercising on trade mills, steppers, cycles, twisters
8. Coaching camps for students--- cricket and football
9. Fitness camp for students on every Saturday

**Number of Periods**

**Physical  
Exercises**

- 2 Abdominal exercises
- 2 Aerobics
- 2 Pilates
- 3 Skipping, Dumbbells, Swiss ball
- 4 Free Hand Exercises

**Games**

- 2 Khokho
- 2 Dodge ball
- 3 Table Tennis
- 2 Carom
- 1 Hand Ball
- 1 Yoga
- 2 Javelin
- 2 Discus
- 2 Gymnastics
- 2 Shot put
- 3 Football

**Theory**

- 1 Basics of athletic
- 1 Structure of 400mt track.
- 3 March Past-commands
- 2 Healthy food and hygiene
- 2 First Aid
  
- 1 ICC WORLD CUP FINALS

**THE BGES SCHOOL  
12B, HEYSHAM ROAD  
KOLKATA – 700020**

**CLASS 7 SYLLABUS  
Videos**

**2024-2025**

- 1 ICC WORLD CUP SEM FNL
- 1 BSET GOALS OF FIFA  
WORLD CUP FOOTBALL
- 2 Best 50 GOAL OF  
UEFA CUP FOOTBALL
  
- 2 GIANTS OF BRAZIL
- 2 2006 WC FOOTBALL  
OFFICIAL FIFA FILM

**General knowledge**  
(Common to all Classes with varying degree of learning objective)

**(Based on new syllabus issued by the council for the Indian School  
Certificate Examination, New Delhi  
First – Edition Nov 2016, Published by RDCD)**

1. SUCCESS SKILL - PERSONALITY DEVELOPMENT

- The grooming of self-confidence begins with the developing of one communication skills.
- Just bookish knowledge is not enough
- To be successful in today's world, we must know how to express what we know.

2. SUCCESS SKILL – LIFE SKILL

- The relevant knowledge required for everyday existence.
- To encourage students to be aware of what is happening around them and how to respond and react in their everyday environment.

3. SUCCESS SKILL – GENERAL KNOWLEDGE

- Relevant and useful information for everyday life.
- Gradation of knowledge according to class.

4. SUCCESS SKILL – CREATIVITY AND THINKING SKILLS

- Like our bodies, our brain too needs regular exercise.
- Interactive exercises and mind games that will help the students to think logically and to stimulate their thought processes.

Note :

- Classwise detailed syllabus will be as per the series of the prescribed book. ( The series number corresponds to the class)
- Classes I-IV – Projects & worksheet based
- Classes V-VIII – a) Written exams with grades  
b) Quiz /Scrap books on different topics  
c) Projects – Current affairs, Geography, History etc  
d) Quiz may be conducted by the students on any of the above mentioned subjects.  
e) Question bank may be compiled.

**Value education**

**(Common to all Classes with varying degree of learning objective)**

**(Based on new syllabus issued by the council for the Indian School  
Certificate Examination, New Delhi  
First – Edition Nov 2016, Published by RDCD)**

**1<sup>st</sup> Term**

1. How to Become a Good Leader
2. Power of Encouragement and Appreciation
3. Being Humble Is a Great Quality
4. Lifestyle Disorders
5. Health in Your Hands
6. Dealing with Criticism

**2<sup>nd</sup> Term**

7. Discipline Makes Us Successful
8. Hard Work Is the Key to Success
9. Patience and Delayed Gratification
10. Ethics and Values
11. The Giant called the Internet
12. Cyberbullying, Cybercrime and Safety

The above can be channelized into academics for senior students in the following ways-

- The writing skills can be channelised into literary works which involves imagination.
- Activities which involve public speaking and shouldering responsibilities, will embolden the student in the higher classes, to take up greater responsibilities like captainship, oral projects and literary events which require addressing a crowd.
- If Value education is taught to a small group, every child will get individual attention so students will be able to overcome their inhibitions and be interactive in academic sphere.

**PHYSICAL EDUCATION**

**(Based on new curriculum issued by the council for the Indian School  
Certificate Examination, New Delhi  
First – Edition 14 June 2019, Published by RDCD)**

**First Term Syllabus**

<b>Key Concepts</b>	<b>Suggested Processes/Activities</b>	<b>Suggested Learning Resources</b>
Speed	80 meters run Relay race 10 yards sprint Cricket ball chase Sprint (on the spot) and release	Race track Baton Cricket ball
Agility	'T' run (straight, left, right and back run) Hexagonal jump (in and out) Star run Shuttle run (variations)	Cones Hexagon Marking
Flexibility	(Hamstring stretch) Gymnastic skills (Round off) Muscle stretched inner thigh Split leap	(appropriate weight) Toe touch - Sitting down with leg straight and feet together Gym mats, balance beam
Coordination	Handball (Dribbling, passing, shooting) Forehand in Table Tennis High catches in cricket Passing the volleyball (under-hand pass)	Handball goal post Stumps and tennis ball/cricket ball Table tennis racquet, ball, Table tennis table, Volleyball.
Balance	One hand Cartwheel Single leg squats Three-way leg swing Hand stand and forward roll Turn on one foot (on the spot)	Flat surface Gym mats
Endurance	800 metres run Step-ups Box running (Forward, sideward, backward, sideward)  Chasing and running in kho-kho	Race track Cones Step (approximately 30 inches / appropriate height) Box marking Kho-Kho Ground
Strength	Medicine ball exercises (solo and partner) Exercise with resistance band Throwing shot-put Squat jumps in succession	Medicine ball (appropriate weight) Shot-Put and circle marking



**First Term Syllabus**

**Games/Sports Skills**

Team Game

1. Basket ball
2. Kho Kho
3. Gymnastic
4. Table Tennis
5. Kabaddi

**Games/Sports Skills**

**Second Term Syllabus**

Team Game

6. Football
7. Cricket
8. Athletics
9. Badminton
10. Volleyball
11. Atyapatya

**ARTS EDUCATION**

**Based on new curriculum issued by the council for the Indian School  
Certificate Examination, New Delhi  
First – Edition Nov 2016, Published by RDCD)**

**First term**

- Still life drawing
- Pencil shading
- Wax art intro
- oil pastel drawing
- collage painting
- glass painting
- Sora painting.
- paper quilling composition

**Second term**

- still life drawing with colour.
- composition with 10B pencil.
- 2D drawing.
- Human figure drawing
- Monoprint, printmaking process.
- Stencil texture mix media colour
- Paper cutting texture composition
- Intro on pot painting.