



DELHI PUBLIC SCHOOL ONGC, NAZIRA

(Under the aegis of the DPS Society, New Delhi)

[School No. 35121]

C.B.S.E. Affiliation No.: 230033

Class: XII

SYLLABI FOR THE SESSION: 2024-2025

Subject: English (301)

Subject Tr: Meenakshi Duarah & Bondita P

Text Book : English Core - XII (Flamingo & Vistas)

April 2024	<ol style="list-style-type: none"> 1. Revisiting the Literary Devices in Literature 2. Writing Skill: Notice Writing 3. Literature: <ul style="list-style-type: none"> ➤ My Mother at Sixty-Six- Poem (Flamingo) ➤ The Last Lesson(Flamingo) ➤ Journey to the End of the World- Prose (Vistas)
May 2024	<ol style="list-style-type: none"> 1. Writing Skill- Invitation and Replies to Invitations <ul style="list-style-type: none"> ➤ Card Type Formal Invitation ➤ Letter Type Formal Invitation ➤ Informal (Personal) Invitation ➤ Formal Reply Accepting a Formal Invitation ➤ Formal Reply Declining a Formal Invitation ➤ Informal Reply Accepting an Informal Invitation ➤ Informal Reply Declining an Informal Invitation 2. Literature: <ul style="list-style-type: none"> ➤ Lost Spring- Prose (Flamingo) ➤ Memories of Childhood- Prose (Vistas) ➤ Deep Water- Prose (Flamingo)
June 2024	<ol style="list-style-type: none"> 1. Writing Skill: Letter to the Editor 2. Literature: <ul style="list-style-type: none"> ➤ Keeping Quiet- Poem (Flamingo) ➤ The Enemy- Prose (Vistas) ➤ Poets and Pancakes- Prose (Flamingo) ➤ The Third Level- Prose (Vistas) ➤ On the Face of It- Play (Vistas)
July 2024	Summer Vacation
August 2024	<ol style="list-style-type: none"> 1. Literature: <ul style="list-style-type: none"> ➤ Aunt Jennifer's Tigers- Poem (Flamingo) ➤ The Rattrap- Prose (Flamingo) ➤ Indigo- Prose (Flamingo) ➤ A Thing of Beauty- Poem (Flamingo)
September 2024	<ol style="list-style-type: none"> 1. Writing Skill: Report Writing- Newspaper & School Magazine 2. Literature: <ul style="list-style-type: none"> ➤ A Roadside Stand- Poem (Flamingo) ➤ The Tiger King- Prose (Vistas)
October 2024	<ol style="list-style-type: none"> 1. Writing Skill: Job Application and Resume 2. Literature: <ul style="list-style-type: none"> ➤ The Interview- Prose (Flamingo) ➤ Going Places- Prose (Flamingo)
November 2024	Practice Questions- Discussions and Assignments + Any backlog remaining, shall be completed.
December 2024	Backlog, if any, to be completed + Mock Test

January 2025	Backlog, if any, to be completed + Pre-Board Examination
February 2025	Final Brush with Revision + AISSCE 2025
March 2025	AISSCE 2025

Subject: Applied Mathematics (241)

Subject Tr: Samata C

Text Book: Mathematics-XII (Text Book)

Mathematics-XII M L Aggarwal

Month	Topics
April	Unit I: Numbers, Quantification and Numerical Applications
May	Unit 2: Matrices and determinants
June	Unit 3a: Differentiation and its applications Unit 3b: Integration and its applications Unit 3c: Differential Equations and Modeling
August	Unit 3a: Differentiation and its applications Unit 3b: Integration and its applications Unit 3c: Differential Equations and Modeling
September	Unit 4: Probability Unit 5: Inferential Statistics
October	Unit 6: Time Series Unit 7: Financial Mathematics
November- December	Unit 7: Financial Mathematics (Contd.) Unit 8: Linear Programming
January	Revision
February	Revision

Subject: Mathematics (041)

Subject Tr: Promod S

Text Book: Mathematics-XII (Text Book)

Mathematics-XII R.D Sharma

Month	Topics
April	Relation , Function
May	Inverse Trigonometry, Matrix and Determinants.
Jun-	Differentiability and Continuity, Application of derivative.
July	Summer Vacation
August	Integration, Differential equation
September-	Vectors , Three dimensions
October	Three dimensions(Continue, Linear Programming
November	Probability
December	Mock test
January	Pre-Board Test
February	Practical
March	Board Exam 2025

Subject : Chemistry (043)**Subject Tr : Nilkamal Goswami**

Books : Chemistry-XII (Part - I & II)

<i>Month</i>	<i>Topics</i>
<i>April</i>	Unit-1: Solutions Unit-4: d & f-Block Elements
<i>May</i>	Unit-1: Solutions Unit-5: Coordination Compounds.
<i>June</i>	Unit-2: Electrochemistry Unit-6: Haloalkanes & Haloarenes
<i>July</i>	Summer Vacation
<i>August</i>	Unit-2: Electrochemistry Unit-7: Alcohols, Phenols and Ethers
<i>September</i>	Unit-3: Chemical Kinetics Unit-8: Aldehydes, Ketones and Carboxylic Acids.
<i>October</i>	Unit-8: Aldehydes, Ketones and Carboxylic Acids. Unit-9: Amines
<i>November</i>	Unit-10: Biomolecules
<i>December</i>	Revision & Mock-Examination
<i>January</i>	Pre-Board exam
<i>February</i>	Practical Examination
<i>March</i>	AISSCE 2025

Subject : Physics (042)**Subject Tr: Dikshita Saikia**

Books : Physics - XII (Part - I & II)

<i>Month</i>	<i>Topics</i>
<i>April</i>	UNIT-1: Electrostatics UNIT-6 Optics
<i>May</i>	UNIT-2: Current Electricity UNIT-6 Optics
<i>June</i>	UNIT-3: Magnetic Effects of current and Magnetism UNIT- 7: Dual Nature of Radiation and Matter
<i>July</i>	Summer Break
<i>August</i>	UNIT-3: Magnetic Effects of current and Magnetism UNIT-8 : Atoms and Nuclei
<i>September</i>	UNIT-4: Electromagnetic Induction and Alternating Current UNIT-8 : Atoms and Nuclei
<i>October</i>	UNIT-4: Electromagnetic Induction and Alternating Current UNIT-9 Electronic Devices
<i>November</i>	UNIT-5 : Electromagnetic Waves UNIT-9 Electronic Devices
<i>December</i>	Revision and Mock Test
<i>January</i>	Revision and Pre-Board Examination
<i>February</i>	Practical Examination
<i>March</i>	AISSCE 2025

Subject : Biology (044)**Subject Tr: Trishna Dutta**

Books : Biology-XII

<i>Month</i>	<i>Topics</i>
<i>April</i>	Unit VI: Reproduction Chapter 2 : Sexual Reproduction in Flowering Plants
<i>May</i>	Unit VI: Reproduction (Contd...) Chapter 3 : Human Reproduction Chapter 4 : Reproductive Health
<i>June</i>	Unit VII: Genetics and Evolution Chapter 5: Principles of Inheritance and Variation
<i>July</i>	Summer Break
<i>August</i>	Unit VII: Genetics and Evolution Chapter 6 : Molecular Basis of Inheritance Chapter 7: Evolution
<i>September</i>	Unit VIII: Biology In Human Welfare Chapter 8 : Human Health and Diseases Chapter 10 : Microbes in Human Welfare
<i>October</i>	Unit IX: Biotechnology and its Applications Chapter 11 : Biotechnology : Principles and Processes Chapter 12 : Biotechnology and its Applications
<i>November</i>	UNIT X : Ecology and Environment Chapter 13 : Organisms and Populations Chapter 14 : Ecosystem Chapter 15 : Biodiversity and its Conservation
<i>December</i>	Revision + Pre Board I Exam
<i>January</i>	Revision + Pre Board II Exam
<i>February</i>	AISSCE PRACTICAL EXAM: 2024-25
<i>March</i>	AISSCE : 2024-25

Subject: Physical Education (048)**Subject Tr: Sanjeev Kumar****Book: E-Book of Physical Education - CBSE**

<i>Month</i>	<i>Topics</i>
<i>April</i>	Unit-1 Management of Sporting Events, Volley Ball & Yoga EBSB, Activities, Fitness assessment
<i>May</i>	Unit-2 Children and Women in Sports EBSB Activities, Mental fitness and Yoga
<i>June</i>	Unit-3 Yoga as Preventive measures for Lifestyle diseases. Unit-4 Physical education and sports for CWSN – Throwing Events Fitness assessment with the help of App Art Integration Activity on International Yoga Day
<i>July</i>	Summer Vacation
<i>August</i>	Unit 5 Sports and Nutrition Unit-6 Test and Measurement in sports – Cricket. Art Integration activity on National Sports Day, Fit India Freedom Run
<i>September</i>	Unit-7 Physiology and Injuries in sports. Revision & SA-1, Fit India Freedom Run associated with Independence Day
<i>October</i>	Unit-8 Biomechanics and sports. Kho-Kho. Fit India Plog Run, EBSB activity
<i>November</i>	Unit – 9 Psychology and Sports. Kho-Kho Unit-10 Training in sports. Revision Inter and Intra class Sports Competition
<i>December</i>	Revision + Pre Board I Exam Practice for Practical
<i>January</i>	Revision + Pre Board II Exam Practice for Practical
<i>February</i>	AISSCE PRACTICAL EXAM: 2024-25
<i>March</i>	Revision and AISSCE 2025

Subject : Computer Science New (083)**Subject Tr: Monjit Sonar**

Books : NCERT Textbook for Computer Science - XII

Month	Topics
April	Revision Tour of Python Programming
May	Functions
June	Types of Files, Data structure
July	Summer Vacation
August	DBMS,RDBMS,SQL, Equijoin, Natural join
September	DBMS,RDBMS,SQL, Equijoin, Natural join
October	Interface of Python with SQL
November	Computer Networks
December	Computer Networks/Revision
January	Revision
February	Revision
March	AISSCE 2025

Subject: Business Studies (054)**Subject Tr: Debapriya Roysharma****Book: Text Book for Business Studies XII - NCERT/VK**

Month	Topics
April	Bridge Course, Nature and Significance of Management
May	Principles of Management – Administrative and Scientific, Business Environment
June	Planning, Organising
July	Summer Vacation
August	Staffing, Directing and Controlling
September	Financial Management, Financial Planning
October	Financial Market
November	Marketing Management
December	Consumer Protection
January	Revision and Project Work
February	Revision + Practicals
March	AISSCE-2025

Subject: Accountancy (055)**Subject Tr: Debapriya Roysharma****Book: 1. Accountancy-I - NCERT/ABD/VK****2. Accountancy-II - NCERT/ABD/VK**

Month	Topics
April	Bridge Course, Partnership - Fundamentals
May	Partnership – Reconstitution - Admission and Retirement of a Partner
June	Partnership – Reconstitution –Death of a Partner and Dissolution of a Firm
July	Summer Vacation
August	Company – Issue and Forfeiture of Shares
September	Company – Issue of Debentures
October	Financial Statement Analysis – Ratio Analysis
November	Cash Flow Statements
December	Ratio Analysis and Cash Flow Statements
January	Revision and Project Work
February	Revision + Practicals
March	AISSCE-2025

Subject: Informatics Practices New (065)

Subject Tr: Monjit Sonar

Text Book : NCERT Text Book for Informatics Practices- XII

Month	Topics
April	Data Handling using Pandas -1
May	Data Handling using Pandas -1
June	Data Visualization using Matplotlib
July	Summer Vacation
August	Importing/Exporting data between CSV files and Data Frame
September	Database and Query
October	Database and Query /Introduction to Computer Network
November	Introduction to Computer Network
December	Societal Impacts
January	Revision
February	Revision
March	AISSCE 2024

Subject: Economics (030)

Subject Tr : Suma Das

1. Macro Economics – NCERT and Dhanpat Rai

2. Indian Economic Development - NCERT and Dhanpat Rai

Month	Topics
April	National Income and Related Aggregates (Introduction)
May	National Income and Related Aggregates Money and Banking
June	Determination of Income and Employment Government Budget and the Economy,(Indian Economics- Introduction)
July	Summer Vacation
August	Government Budget and the Economy, Balance of Payment (Indian Economics)Development experience 1947-90
September	Economy Reforms since 1991 Current Challenges facing the Indian Economy Human Capital formation,
October	Current Challenges facing the Indian Economy (Rural Development ,Employment, Sustainable Development,)
November	Current Challenges facing the Indian Economy(Sustainable Development) Development experience of India(A comparison with neighbours)
December	Development experience of India(A comparison with neighbours) Revision and Mock Test
January	Revision and Preboard + Practical exams
February	Revision and Preboard 2
March	AISSCE-2024-25

Subject: History(027)

Subject Tr : Indrani Borthakur

Book:Themes in Indian History Part I,II,III (Latest Ed.)

Month	Topics
April	Themes in Indian History Part I -1.Bricks, Beads and Bones ,2.Kings, Farmers and Towns
May	3.Kinship, Caste and Class, 4.Thinkers, Beliefs and Buildings,Map work of the related themes
June	Themes in Indian History Part II - 5.Through the Eyes of Travellers, 6.Bhakti and Sufi Traditions
July	Summer Vacation
August	7.An Imperial Capital Vijayanagara 8.Peasants, zamindars and the States Agrarian Society and the Mughal Empire
September	Themes in Indian History Part III - 9.Colonialism and the Countryside exploring official archives
October	10.Rebels and the Raj 1857 Revolt and its Representations,Map work of The related themes
November	11.Mahatma Gandhi and The National Movement Civil Disobedience and beyond,12.Framing the Constitution the Beginning of a New Era
December	Map work of related themes ,Revision and Preboard
January	Revision and Preboard + Practical exams/viva AISSCE-2023-24
February	Revision and Preboard
March	AISSCE-2024-25

Subject: Political Science (028)

Subject Teacher: Binita P G

Text Book : 1. Contemporary World Politics

2. Politics in India since Independence

Month	Topics
April	Challenges of Nation Building Era of One Party Dominance
May	Politics of Planned Development The End of Bipolarity India's External Relations
June	Challenges to and restoration of the Congress system Contemporary Centres of Power
July	Summer Vacation
August	Contemporary South Asia International Organisation
September	Security in the Contemporary World Crisis of Democratic Order
October	Regional Aspirations Environment and Natural Resources
November	Recent developments in Indian Politics Globalisation
December	Revision and Mock Test
January	Revision and Pre board Practical exams/viva AISSCE-2024-25
February	Revision and Pre board 2
March	AISSCE-2024-25

Subject: Geography (029)

Subject Tr: Debaraj Bhattacharjee

Book: 1. Fundamentals of Human Geography (Latest Edition) - NCERT

2. India-People and Economy (Latest Edition) - NCERT

3. Practical Work in Geography -II (Latest Edition) - NCERT

Month	Topics
April	Human Geography : Nature & Scope. People <input type="checkbox"/> <input type="checkbox"/> The World Population distribution, density and growth <input type="checkbox"/> <input type="checkbox"/> Population change- Components of population change, Demographic Transition
May	<input type="checkbox"/> <input type="checkbox"/> Human development - concept; selected indicators, international comparisons Human Activities <input type="checkbox"/> <input type="checkbox"/> Primary activities- concept and changing trends; gathering, pastoral, mining, subsistence agriculture, modern agriculture; people engaged in agricultural and allied activities - some examples from selected countries <input type="checkbox"/> <input type="checkbox"/> Secondary activities concept; manufacturing: types - household, small scale, large scale; agro based and mineral based industries; <input type="checkbox"/> <input type="checkbox"/> Tertiary activities- concept; trade, transport and tourism; services; people engaged in tertiary activities <input type="checkbox"/> <input type="checkbox"/> Quaternary activities concept; people engaged in quaternary activities - case study from selected countries
June	<input type="checkbox"/> <input type="checkbox"/> Tertiary activities- concept; trade, transport and tourism; services; people engaged in tertiary activities <input type="checkbox"/> <input type="checkbox"/> Quaternary activities concept; people engaged in quaternary activities - case study from selected countries Transport, Communication and Trade <input type="checkbox"/> <input type="checkbox"/> Land transport roads, railways; transcontinental railways Water transport- inland waterways; major ocean routes <input type="checkbox"/> <input type="checkbox"/> Air transport Intercontinental air routes Oil and gas pipelines
July	Summer vacation
August	<input type="checkbox"/> <input type="checkbox"/> Satellite communication and cyber space importance and usage for geographical information; use of GPS <input type="checkbox"/> <input type="checkbox"/> International trade bases and changing patterns; ports as gateways of international trade; role of WTO in international trade Book India People <input type="checkbox"/> <input type="checkbox"/> Population: distribution, density and growth; composition of population- linguistic, religious; sex, rural-urban and occupational-regional variations in growth of population
September	Human Settlements <input type="checkbox"/> <input type="checkbox"/> Rural settlements- types and distribution <input type="checkbox"/> <input type="checkbox"/> Urban settlements- types, distribution and functional classification Resources and Development <input type="checkbox"/> <input type="checkbox"/> Land resources general land use; agricultural land use; geographical conditions and distribution of major crops (Wheat, Rice, Tea, Coffee, Cotton, Jute, Sugarcane and Rubber); agricultural development and problems
October	<input type="checkbox"/> <input type="checkbox"/> Water resources availability and utilization irrigation, domestic, industrial and other uses; scarcity of water and conservation methods-rain water harvesting and watershed management <input type="checkbox"/> <input type="checkbox"/> Mineral and energy resources distribution of metallic (Iron ore, Copper, Bauxite, Manganese); non-metallic (Mica, Salt) minerals; conventional (Coal, Petroleum, Natural gas and Hydroelectricity) and non-conventional energy sources (solar, wind, biogas) and conservation <input type="checkbox"/> <input type="checkbox"/> Planning in India target group area planning (case study); idea of sustainable development (case study)
November	Transport, Communication and International Trade <input type="checkbox"/> <input type="checkbox"/> Transport and communication roads, railways, waterways and airways: oil and gas pipelines; Geographical information and communication net works <input type="checkbox"/> <input type="checkbox"/> International trade changing pattern of India's foreign trade; sea ports and their hinterland and airports

	Geographical Perspective on selected issues and problems <input type="checkbox"/> <input type="checkbox"/> Environmental pollution; urbanwaste disposal <input type="checkbox"/> <input type="checkbox"/> Urbanization, ruralurban migration; problems of slums <input type="checkbox"/> <input type="checkbox"/> Land degradation
December	Revision and Mock Test
January	Revision and Preboard + Practical exams
February	Revision and Preboard 2
March	AISSCE-2022

Subject : HINDI Core (302)

Subject Tr : Anil K S

Text Book : 1. Aaroh- 2 – NCERT

2. Vitaan – 2

3. अ भव्यक्ति और माध्यम - NCERT

Month	Topics
April	(जनसंचार माध्यम) 1. आत्मपरिचय एक गीत। 2. भक्तिन
May	1. पतंग 2. बाजार दर्शन 3. सल्वर बै डंग
June	1. क वता के बहाने, 2. बात सीधी थी पर 3. काले मेघा पानी दे
July	ग्रीष्म अवकाश
August	1. कैमरे में बंद अपाहिज 2. पहलवान की ढोलक, 3. कार्यालयी पत्र 4. क वतावली 5. जूझ 6. रुबाइयाँ,
September	1. शरीष के फूल 2. छोटा मेरा खेत, बगुला के पंख 3. अतीत में दबै पाँव 4. रे डियों नाटक
October.	1. श्रम वभाजन और जाति प्रथा मेरी कल्पना का आदर्श समाज 2. डायरी का पन्ने 3. फीचर लेखन 4. पत्रकारिता
November	1. उषा 2. बादल राग 3. जनसंचार माध्यम 4. अपठित गद्यांश व पद्यांश
Dec.	1. कहानी का नाट्य रुपान्तर मॉक मूल्यांकन
January	प्र-बोर्ड मूल्यांकन
Feb.	पुनरीक्षण
March	बोर्ड परीक्षा

Signature of
Subject Teachers

Signature of
Academic Coordinator

Signature of
Principal