

APEX Public School

Syllabus 2026-2027

Class: XII

Subject : Physics

Month	Topic to be Covered
April	Electric Charges and Fields Electrostatic Potential and Capacitance
May	Current Electricity Moving Charges and Magnetism
July	Magnetism and Matter Electromagnetic Induction Alternating Current Electromagnetic Waves
August	Ray Optics and Optical Instruments Wave Optics
September	Dual Nature of Radiation and Matter Atoms
October	Nuclei Semiconductor Electronics: Materials, Devices and Simple Circuits

Class: XII

Subject : Biology

Month	Topic to be Covered
April	Microbes in Human welfare Human Health and Diseases Molecular Basis of Inheritance
May	Biotechnology and its Application
July	Reproduction
August	Genetics and Evolution
September	Genetics and Evolution
October	Ecology

Class: XII

Subject : Chemistry

Month	Topic to be Covered
April	Solutions, Haloalkanes & Haloarenes
May	Alcohols, Phenols, Ethers; Aldehydes & Ketones
July	Carboxylic Acids; Amines; Electrochemistry
August	Electrochemistry
September	Chemical Kinetics; Biomolecules
October	Coordination Compounds; d & f Block

Class: XII

Subject : Computer Science

Month	Topic to be Covered
April	Ch 1 – Review of Python Ch 7 – Relational Database and SQL
May	Ch 7 – SQL (contd.) Ch 8 – Interface of Python with SQL
June	CBSE Practical Record File
July	Ch 2 – Functions Ch 3 – Exception Handling Ch 5 – Data Structures
August	Ch 4 – Data File Handling
September	Half-Yearly Examination
October	Ch 6 – Computer Networks
November	Project Work & Revision

Class: XII

Subject : Maths

Month	Topic to be Covered
April	1. Relation and Functions 2. Inverse Trigonometry 3. Matrices
May	4. Determinants
July	5. Continuity and Differentiation 6. Application of Derivatives
August	7. Integration 8. Application of Integration 9. Differential Equations Revision
September	Revision and Half -Yearly Examination
October	10. Vector 11. 3-D Geometry 12. Linear Programming 13. Probability

Class: XII

Subject : Business Studies

Month	Topic to be Covered
April	Nature and Significance of Management
May	Principles of Management
	No new chapter
July	Business Environment, Planning
August	Organising, Staffing
September	Directing, Controlling
October	Financial Management (Part 1), Financial Markets
November	Financial Management (Part 2), Marketing Management, Consumer Protection

Class: XII

Subject : Information Practices

Month	Topic to be Covered
April	Unit 2: Database Query using SQL Ch 3 – Review of Database Concepts & SQL Ch 4 – SQL Functions: Math (POWER, ROUND, MOD), Text (UCASE, LCASE, MID, LENGTH, LEFT, RIGHT, INSTR, TRIM), Date (NOW, DATE, MONTH, YEAR, DAY, DAYNAME) Aggregate Functions: MAX, MIN, AVG, SUM, COUNT
May	Unit 4: Societal Impacts Digital footprint, net etiquettes, data protection, IPR, plagiarism, licensing, copyright, FOSS Cybercrime & cyber laws, hacking, phishing, cyber bullying, Indian IT Act E-waste hazards & management; Health concerns related to technology
June	No new chapter Reinforcement of SQL and Societal Impacts concepts; self-study
July	Unit 1: Data Handling using Pandas – I Introduction to Pandas & Matplotlib Series: creation from ndarray, dictionary, scalar; math operations; head/tail; indexing & slicing DataFrame: creation from dictionary, list of dicts, CSV files; add/select/delete/rename rows & columns; joins, merging, concatenation; import/export CSV
August	Unit 1: Data Handling using Pandas – II & Data Visualization Descriptive Statistics: max, min, count, sum, mean, median, mode, quartile, std dev, variance DataFrame ops: aggregation, group by, sorting, index renaming, pivoting; handling missing values MySQL–Pandas data import/export Unit 1 (Ch 2): Data Visualization – line, bar, histogram, pie, frequency polygon, box plot, scatter plot; customizing plots

September	Half-Yearly Examination Syllabus: Units 1, 2 & 4 Revision, MCQ practice, problem discussion from sample papers
October	Unit 3: Introduction to Computer Networks Types of networks: LAN, MAN, WAN Network devices: modem, hub, switch, repeater, router, gateway Topologies: Star, Bus, Tree, Mesh Internet, URL, WWW, Web, email, Chat, VoIP Websites: static vs dynamic, web server, hosting; Web browsers, cookies, add-ons, plug-ins
November	Practical Preparation + Project Work + Revision Revision of all 4 units from sample papers Practice from self-made question bank Practical file completion (min. 20 Pandas, 5 Matplotlib, 20 SQL programs) Project work finalization
December	Revision + Pre-Board Examinations Pre-Board I (35 Marks): Unit 2 SQL (25) + Unit 3 Networks (10) Pre-Board II (70 Marks): Unit 1 Pandas & Visualization (25) + Unit 2 SQL (25) + Unit 3 Networks (10) + Unit 4 Societal Impacts (10)
January	AISSCE Practical Examination Revision of practical programs and SQL queries Viva-voce preparation
February	Board Examination (AISSCE) Full syllabus revision – all 4 units Focus on important questions and marking scheme

Class: XII

Subject : English

Month	Topic to be Covered
April	-The Last Lesson -My Mother at Sixty-Six -Notice Writing -The Third Level -Keeping Quiet -Article Writing
May	-Lost Spring -A Thing of Beauty -Invitation -The Tiger King -Deep Water -Reply (Invitation)
June	Vacation
July	-The Rattrap -A Roadside Stand -Letter to Editor -Journey to the End of the Earth -Aunt Jennifer's Tigers
August	Indigo REVISION
September	-Poets and Pancakes -The Enemy Job Application -The Interview -On the Face of it
October	Going Places-Memories of Childhood

Class: XII

Subject : History

Month	Topic to be Covered
April	BRICKS, BEADS AND BONES:-The Harappan Civilisation KINGS, FARMERS AND TOWNS Early States and Economies (c.600 BCE 600 CE)
May	KINSHIP, CASTE AND CLASS:- Early Societies (c. 600 BCE 600 CE) THINKERS, BELIEFS AND BUILDINGS:- Cultural Developments (c. 600 BCE 600 CE). THROUGH THE EYES OF TRAVELLERS:-Perceptions of Society (c. tenth to seventeenth centuries)
June	
July	BHAKTI –SUFİ TRADITIONS:- Changes in Religious Beliefs and Devotional Texts (c. eighth to eighteenth centuries) AN IMPERIAL CAPITAL VIJAYANAGARA:-(c. fourteenth to sixteenth centuries)
August	PEASANTS, ZAMINDARS AND THE STATE:- Agrarian Society and the Mughal Empire (c. sixteenth seventeenth centuries).
September	COLONIALISM AND THE COUNTRYSIDE:- Exploring Official Archives

October	10. REBELS AND THE RAJ:- 1857 Revolt and its Representations. 11. MAHATMA GANDHI AND THE NATIONALIST MOVEMENT:- Civil Disobedience and Beyndo 12. FRAMING THE CONSTITUTION:- The Beginning of a New Era
November	

Class: XII

Subject : Political Science

Month	Topic to be Covered
April	Chapter 1: The End of Bipolarity Chapter 2: Contemporary Centres of Power Chapter 3: Contemporary South Asia
May	Chapter 4: International Organisation Chapter 5: Security In The Contemporary World)
June	Vaccation
July	Chapter 6: Environment and Natural Resources Chapter 7: Globalisation Chapter 1: Challenges of nation building
August	Chapter 2: Era of one-party dominance
September	Chapter 3: Politics of planned development Chapter 4: India's external relation Chapter 5: Challenges to and restoration of congress
October	Chapter 6: The crisis of democratic order Chapter 7: Regional Aspiration Chapter 8: Recent developments in Indian politics
November	Revision

Class: XII

Subject : Sociology

Month	Topic to be Covered
April	<u>Social Change and Development in India</u> 2. Cultural Change 1. Structural Change
May	<u>Indian society</u> 2. The Demographic Structure of Indian Society 3. Social Institutions: Continuity and Change
July	4. Patterns of Social Inequality and Exclusion 6. The Challenges of Cultural Diversity
August	<u>Social Change and Development in India</u> 4. Change and Development in Rural Society Half-Yearly Exams
September	5. Change and Development in Industrial Society 8. Social Movements
October	Revision and Pre Board 1 st
November	Revision for Pre Board 2 nd

Class: XII

Subject : Business Studies

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