



FLORENCE INTERNATIONAL SCHOOL
 (Senior Secondary Affiliated With CBSE | ISO 21001:2018 Certified)
SYLLABUS FOR THE YEAR 2025-2026
GRADE – XII (SCIENCE & COMMERCE)

Month	Subject	Units/Chapters	Activity
April 20 Working days	English	<u>Flamingo:</u> L1 - The Last Lesson L2 - Lost Spring Poetry - My Mother at Sixty-six <u>Vistas:</u> L1 - The Third Level <u>Writing</u> Notice Writing	Paper Presentation Interview your household help (maids/drivers/car cleaners/gardeners/trash collectors etc.) and prepare a paper enumerating their daily challenges. To be presented orally.
	Physics	L 1 Electric charges and fields L 2 Electric potential and capacitance	Value Education- Discuss some eco friendly ideas to produce electricity.
	Chemistry	Solutions Electrochemistry	practicals Theme of the value(care for environment): discussion of volatile and non volatile effects of human activities on environment
	Mathematics	L1- Relations and functions L3- Matrices L4- Determinants	To demonstrate a function which is not one-one but is onto.
	Physical Education	L1- Management of Sporting Events. L2- Children & Women in Sports.	The students of the class will be decided into different groups. Each group will play the role according to the responsibility of the organising sub-committee.
	Fine Arts	L1- The origin and Development of Miniature Painting in India L2- Six lambs of Painting & the Rajasthani school of Miniature Painting	
	Computer Science	Revision tour 1 and 2	
	Psychology	Chapter 1 - Variations in Psychological Attributes Chapter 2 - Self And Personality	Make Notes Relate things with Real Life Situation
	History	Themes in Indian history part 1	Collect illustration stations of 5 to 10 things made up of stone metal and clay and use that present

	Political science	Ch- the end of bipolarity Ch- contemporary centers of power	Draw the concept map of shock therapy
	Economics	Macro: National Income and Related Aggregates	Role Play Activity G11 & G12: Live Market Situation
	Business studies	L1-Nature and significance of Management L2-Principles of management	Role play :- (Conduct a mock recruitment interview or Business deal)
	Accountancy	L1 Accounting for partnership:-basics	sk students to draft a partnership deed (Accounting for partnership)
	Biology	Unit 1 Reproduction	Study pollen germination on slides.
May 14 Working days	English	<u>Flamingo</u> L3 - Deep Water Poetry - Keeping Quiet <u>Vistas</u> L2 - The Tiger King <u>Writing</u> Invitations & Replies (Formal & Informal)	Project File Discussion on various relevant topics for project work. AND Sports Commentary
	Physics	L3 Current electricity	Value education- How do you manage your time to perform better in your exams?
	Chemistry	Chemical kinetics	practicals Theme of the value (time management): To plan and organise your actions
	Mathematics	L1-ITF L5- Continuity & differentiability L6- Applications of derivatives	to find the limit of a function and also check continuity
	Physical Education	L3- Yoga as Preventive measure for Lifestyle Disease	Classify the names as type of nouns (eg. Parvatasana– mountain; Ushtrasana- camel)
	Fine Arts	L3- The Pahari School of Miniature Painting L4- The Mughal school of Miniature Painting	
	Computer science	Functions	
	Psychology	Chapter 3- Meeting Life Challenges Chapter 4 - Psychological Disorders	
	History	Themes in Indian history part 1	Collect five kinds of currency notes and coins in circulation today
	Political science	Ch- challenges of nation building Ch- era of one party dominance	Draw or paste the map of East Asia Pacific and locate the ASEAN members on the map

	Economics	Money and Banking	Project File: Cashless Economy Economics Dictionary
	Business studies	L3-Business environment L4-Planning	Case studies and problem solving:- (Principle of Management)
	Accountancy	L2-Not for profit organisation	Role play (Not for profit organisation)
	Biology	Unit 1: Reproduction	Study and identify stages of gamete development in Mammals. T.S of Testies, T.S. of ovary, T.S. of Blastula.
July 23 Working days	English	<u>Flamingo</u> L4 - The Rattrap L5- Indigo Poetry - A Thing of Beauty <u>Vistas</u> L3 - Journey to the end of the Earth L4-The Enemy <u>Writing</u> Letter Writing (Editor)	Panel Discussion (Press Conference Style) Based on 'Indigo' or 'Journey to the end of the Earth'
	Physics	L7 Alternating current L8 Electromagnetic waves	Value education- Crumpled heart activity.
	Chemistry	The d and f block elements Co ordination compounds	Practicals Theme of the value (Politeness): use of 'please' and 'thank you'
	Mathematics	L7- Integrals L8- Application of integrals L9- Differential equation	to evaluate the definite integral as a limit of sum & verify by integration.
	Physical Education	L4- Physical Education and Sports for CWSN. L5- Sports & Nutrition.	Poster making competition on the benefits of Healthy Eating, and Healthy Lifestyle
	Fine Arts	L6- Introduction to the Bengal School of Painting L7- The Study of the Paintings of Bengal school	
	Computer Science	Data Structure , Stack	

	Psychology	Chapter 4 - Psychological Disorders	
	History	Themes in Indian history part 2	Watch anyone episode from Mahabharata
	Political science	Ch-contemporary South Asia Ch-international organisations	Draw a timeline explaining the international organisation formed after the collapse of Soviet union
	Economics	Ind. Eco. L1- Indian Economy at the eve of Independence L2- Indian-Economy 1950 - 1990	Paper Presentation: Indian Economy at the Eve of Independence
	Business studies	L5-Organising L6-staffing	Provide students with recent Business news articles (Business environment)
	Accountancy	L3- Accounting for partnership:- Admission Retirement/death Dissolution	Role playing (Negotiating partnership terms)
	Biology	Unit-II Genetics and Evolution	Isolate DNA from available plant material such as spinach, green pea seeds, papaya, etc.
August 19 Working days	English	<u>Flamingo</u> L6 - Poets And Pancakes L7- The Interview Poetry - Aunt Jennifer's Tigers <u>Vistas</u> L8 - Memories of Childhood <u>Writing</u> Letter Writing (Resume)	Mock Interviews A Role Play Activity based on job adverts and resume compilation followed by mock interviews.
	Physics	L9 Ray optics and optical instruments L 10 Wave optics	Value Education- Best friend vs True friend.
	Chemistry	Haloalkanes and Haloarenes Alcohols, Phenols and Ethers	Practicals Theme of the value (Resilience): resilience spin wheel
	Mathematics	L10- Vector Algebra L11- 3D geometry	To measure the SD between two skew lines & verify analytically.
	Physical Education	L6- Test & Measurement in Sports L7- Physiology & Injuries in Sports	Every student will prepare their own profile of fitness testing as per the format.

	Fine Arts	L8- Contribution of Indian Artists in the Struggle for National Freedom Movement L9- Evolution of the Indian National Flag	
	Computer Science	Networking	
	Psychology	Chapter 5 - Therapeutic Approaches	
	History	Themes in Indian history part 2	Read the biography of Saint from medieval India
	Political science	Ch-politics of planned development Ch-India's external relations	Make a flowchart on global property
	Economics	Macro: Unit 7 - Determination of Income & Employment Ind. Eco. Economic Reforms Since 1991: New Economic Policy	Economics Dictionary Project File Cashless Economy
	Business studies	L7-Directing L8-Controlling	Organizing a school event (Practical task)
	Accountancy	L4-Accounting for Share capital L5-Issue and redemption of debenture	Role Play (Company share issue)
	Biology	Unit-II Genetics and Evolution	Prepare a temporary mount of onion root tip to study mitosis.
September 13 Working days	English	<u>Flamingo</u> Poetry - A Roadside Stand <u>Writing</u> Article Writing	Monologue Character or Story Analysis through a monologue. (Involves peer feedback)
	Physics	L11 Dual nature of radiation and matter L 12 Atoms	Value education- Give respect, take respect.
	Chemistry	Aldehydes, Ketones and carboxylic acids	Practicals Theme of the value (Respect your teachers and elders): performing various gestures of respect for teachers and elders
	Mathematics	L12- Linear Programming	
	Physical Education	L8- Biomechanics & Sports	Perform motor actions like running, jumping and throwing. Try to identify, which law of motion defines the activity you performed and give remarks.

	Fine arts	L 10- Modern Trends in Indian Art L11- Paintings of the Contemporary (Modern) Indian Artists	
	Computer science	DBMS and SQL	
	Psychology	Ch 6 - Attitude and Social Cognition	
	History	Themes in Indian history part 2	Visit a religious place nearby your town
	Political science	Ch- security in the contemporary world	Make make a collage explaining the challenges faced during the partition
	Economics	Unit - 8 Government Budget and the economy Ind.Eco. L4 - Human Capital Formation in India	Economics Star □
	Business studies	L9-Business finance L10-Financial market	Prepare a budget and actual expense (Controlling)
	Accountancy	L6-Financial statements of a company L7-Analysis of financial statements.	Puzzle (Balance sheet puzzle)
	Biology	Unit-III Biology and Human Welfare	To identify Common disease causing Organism: Ascaris, Entamoeba, Plasmodium, Ringworm.
October 18 Working days	English	<u>Flamingo</u> L8 - Going Places <u>Vistas</u> L6 - On the Face of It <u>Writing</u> Report Writing	Writing skills Prepare a newspaper report for the month of October on all the activities conducted in the school by various grades.
	Physics	L 13 Nuclei L 14 Semiconductor electronics; Materials, devices and simple circuits	Value education- Cleanliness is next to the Godliness.
	Chemistry	Amines	Theme of the value (Cleanliness): importance of personal hygiene
	Mathematics	L13- Probability	Toss & roll (for independent events & probability distribution)

	Physical Education	L9- Psychology & Sports L10- Training in Sports	Form yourselves into two groups. Tell one group to do Isometric and the other to do Isotonic exercises for one hour a day for 3-5 days in a week. Test their strength after two months. Prepare a table and evaluate which method is better.
	Fine Arts	L 12- Graphic Prints of the Contemporary (Modern) Indian Artists L13- Sculptures of the Contemporary (Modern) Indian Artist	
	Computer Science	SQL Connectivity with Python	
	Psychology	Ch 7 - Social Processes and Group Processes	
	History	In Indian history part 3	Make a photo album depicting Mughal painting on various theme
	Political science	Ch- challenges to and Restoration of the Congress system Ch- crisis of democratic order	Discussion and debate on Congress party
	Economics	Macro: Unit - 9 Balance of Payment Ind.Eco. L6 - Rural development L7 - Employment	Group Discussion National Income and Related Aggregates
	Business studies	L11-Marketing management L12-Consumer protection	Case Study (Consumer protection)
	Accountancy	L8-Accounting ratios L9-Cash flow statement.	Flash card game (Ratio analysis)
	biology	Unit-IV Biotechnology and its Applications	Prepared pedigree charts of any one of the genetic traits such as rolling of tongue, blood groups, ear lobes, widow's peak and colour blindness.
November 20 Working days	English	Revision	Group Discussion (Problem Solving) Live classroom activity on listening and understanding problems faced by peers and suggesting possible solutions.
	Physics	Revision	Value education- Empathy is a characteristic of Human beings.
	Chemistry	Biomolecules	Theme of the value (Empathy): helping others to feel better
	Mathematics	Revision	-
	Physical Education	Revision	Revision

	Fine Arts		
	Computer Science		
	Psychology	Revision	
	History	Themes in Indian history part 3	Watch a movie on revolt of 1857
	Political science	Ch-environment and natural resources Ch-globalisation	List out some of the global issues
	Economics	L7 - Environment Sustainable Development L8 - Development Experience of India and its Neighbours	
	Business studies	Revision	Debate (Financial management)
	Accountancy		Quiz (Whole syllabus)
	Biology	Unit-V Ecology and Environment	To study plant Population density and frequency of an area by quadrat Method.
December 24 Working days	English	Revision	
	Physics	Revision	Value education- Share your Exam preparation tips with your classmates.
	Chemistry	Revision	Theme of the value (Caring and sharing): Keep offering help
	Mathematics	Revision	Revision
	Physical Education	Revision	Revision
	Fine Arts	Revision	Revision
	Computer Science	Revision	Revision
	Psychology	Revision	
	History	Themes in Indian history part 3	Read the report published by Francis Bachanan
	Political science	Ch-regional aspirations Ch-recent developments in Indian politics	Find out recent changes made in Indian constitution

	Economics	Revision	Project File Banking System/Economic Reforms/ Foreign Trade
	Business studies	Revision	Group Discussion (Business finance)
	Accountancy	Revision	Quiz (Whole syllabus)
	Biology	Revision	Investigatory project.
January 14 Working days	English	Revision	
	Physics	Revision	Value education- Write a story on the topic 'Being honest is a brave action'
	Chemistry	Revision	Theme of the value (Honesty): lie breaks trust
	Mathematics	Revision	Revision
	Physical Education	Revision	Revision
	Fine Arts	Revision	Revision
	Computer Science	Revision	Revision
	Psychology	Revision	
	History		
	Political science		
	Economics		
	Business studies	Revision	Quiz (Whole syllabus)
	Accountancy	Revision	Group Discussion (Cash flow statement)
	Biology	Revision	Revision
February	English	Revision	
	Physics	Revision	Explain Zero tolerance.

22 Working days (Full month revision)	Chemistry	Revision	Theme of the value (Understanding and tolerance): Blindfold activity
	Mathematics	Revision	Revision
	Physical Education	Revision	Revision
	Fine Arts	Revision	Revision
	Computer Science	Revision	Revision
	Psychology	Revision	
	History		
	Political science		
	Economics		
	Business studies	Revision	Revision
	Accountancy	Revision	Revision
	Biology	Revision	Revision



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Month	Subjects	Syllabus
Periodic Assessment – I (1 May – 8May)	English	Unseen Passage Literature: Flamingo: Ch1- The Last Lesson Ch2- Lost Spring Poetry- My Mother at Sixty-six Vistas: Ch1- The Third Level Writing: Notice Writing
	Physics	L 1 Electric charges and fields L 2 Electric potential and capacitance
	Chemistry	Solutions Electrochemistry
	Mathematics	L1- Relations & Functions L3- matrices L4- determinants
	Physical Education	L1- Management of Sporting Events L2- Children & Women in Sports
	Fine Arts	
	Computer science	
	Psychology	Ch 1 - Variations in Psychological Disorders
	History	Ch- 1 Bricks,Beads and Bones Ch-2 Kings, Farmers and Towns
	Political science	Part -A Ch-1 The end of bipolarity Ch- Contemporary centres of power Part -B Ch-1 Challenges of nation building
	Economics	Macro: National Income and it's Related Aggregates
	Business studies	L1-Nature and significance of Management.
	Accountancy	L1-Accounting for partnership:-basics
	Biology	Ch-1 Sexual Reproduction in Flowering Plants. Ch.2-Human Reproduction Ch.3-Reproductive Health.
	English	Unseen Passage Literature: Flamingo: Ch7 - The Interview Ch8 - Going Places Poetry - Aunt Jennifer's Tigers Vistas: Ch6 - On the Face of It Writing: Article Writing/Report Writing

	Physics	L3 current electricity L 4 moving charges and magnetism L5 magnetism and matter
	Chemistry	Chemical kinetics d and f block elements Coordination compounds
	Mathematics	L3- Matrices L4- Determinants
	Physical Education	L6- Test & Measurement in Sports L7- Physiology & Injuries in Sports L8- Biomechanics & Sports
	Fine arts	
	Computer science	
	Psychology	<ul style="list-style-type: none"> Chapter 3 Human Strengths And Meeting Life Challenges Chapter 4 Psychological Disorders Chapter 5 Therapeutic Approaches And Counselling Chapter 6 Attitude And Social Cognition Chapter 7 Social Influence And Group Processes
	History	Part II ch-7 An imperial Capital Ch-8 Peasants,Zamindars and the state
	Political science	Part A Ch- 5 Security in the contemporary world Part B Ch-of 5 Challenges to and Restoration of the Congress system Ch-6 The crisis of democratic order
	Economics	Unit - 8 Government Budget and the economy Ind.Eco. L4 - Human Capital Formation in India
	Business studies	L1-Nature and significance of Management L2-Principles of management L3-Business environment L4-Planning L5-Organising L6-Staffing L7-Directing L8-Controlling L9-Business finance L10-Financial market L11-Marketing management L12-Consumer protection
	Accountancy	L1-Accounting For partnership L2-Not for profit organisation L3-Accounting for Shares L4-Accounting for Debenture L5Analysis of financial statements L6-Accounting ratios L7-Cash flow statement
	Biology	Ch.-4.Principles of Inheritance and Variation Ch.-5 Molecular basis of Inheritance. Ch.-6 Human Health and Disease. Ch.-7 Microbes in human welfare.

Half yearly examination (8 Sept -	English	Unseen Passages - 2 Literature: Flamingo: Ch1- The Last Lesson Ch2- Lost Spring Ch3- Deep Water Ch4- The Rattrap Ch5- Indigo Ch6- Poets And Pancakes Ch7- The Interview Poetry- 1- My Mother at Sixty-six 2. Keeping Quiet 3. A Thing of Beauty 4. A Roadside stand Vistas: Ch1- The Third Level Ch2- The Tiger King Ch3- Journey to the end of the Earth Ch4- The Enemy Ch8- Memories of Childhood Writing: Invitations Letter to Editor Job Applications & resume
	Physics	L 1 Electric charges and fields L 2 Electric potential and capacitance L3 current electricity L 4 moving charges and magnetism L5 magnetism and matter L6 Electromagnetic induction L7 Alternating current L8 Electromagnetic waves L9 Ray optics L10 Wave optics L11 Dual nature of radiation and matter.
	Chemistry	Solutions Electrochemistry Chemical kinetics d and f block elements Coordination compounds Haloarenes and Haloarenes Alcohols, Phenols and ethers Aldehydes, Ketones and carboxylic acids
	Mathematics	L1- Relations and functions L2- Inverse Trigonometric Functions L3- Matrices L4- Determinants L5- Continuity and Differentiability L6- Application of Derivatives L7- Integrals L8- Application of Integrals L9- Differential equation

	Physical Education	L1- Management of Sporting Events L2- Children & Women in Sports L3- Yoga as Preventive measure for Lifestyle Disease L4- Physical Education and Sports for CWSN L5- Sports and Nutrition
	Fine Arts	
	Computer science	
	Psychology	Ch1 - Variations in Psychological Attributes Ch 2 - Self And Personality Ch 3 - Meeting Life Challenges Ch 4 - Psychological Disorder Ch 5 - Therapeutic Approaches
	History	Part I and Part II
	Political science	Part A Ch- 1,2,3,4 Part B Ch- 1,2,3,4
	Economics	Macro: Unit.National Income and Related Aggregates Unit.Money and Banking Ind.Eco. Unit- Indian Economy at the eve of Independence Unit- Indian-Economy 1950 - 1990
	Business studies	L1-Nature and significance of Management L2-Principles of management L3-Business environment L4-planning L5-Organising L6-staffing L7-Directing L8-Controlling
	Accountancy	L1-Accounting for partnership L2-Not for profit organisation L3-Accounting for shares L4-Accounting for Debenture
	Biology	Ch.1-Sexual Reproduction in Flowering plant. Ch.2-Human Reproduction Ch.3-Reproductive Health. Ch.4-Principles of Inheritance and Variation. Ch.5-Molecular Basis of Inheritance. Ch.6-Human Health and Disease. Ch.7-Microbes in Human Welfare.
Pre Board Exams	English	Whole Syllabus
	Biology	Whole Syllabus
	Physics	Whole Syllabus
	Chemistry	Whole syllabus
	Mathematics	Whole syllabus
	Physical Education	Whole syllabus
	Fine Arts	Whole syllabus
	Economics	Whole syllabus