

Carmel Convent Senior Secondary School
Class XI Syllabus (2021-22)

ENGLISH CORE

MONTH	UNIT/BOOK	GRAMMAR	WRITING SKILLS
JULY	Hornbill Chapter 1: The Portrait of a lady - Khushwant Singh Chapter 2: We're not afraid to Die...if We Can All Be Together - Gordon Cook and Alan East Poem: A Photograph - Shirley Toulson Snapshots : Chapter-1 The Summer of the beautiful White Horse-William Saroyan Chapter-2 The Address- Marga Minco	Determiners	Note Making (will be introduced) Notice Writing
AUGUST	Hornbill Chapter 3- Discovering Tut: The Saga Continues-A.R. Williams Poem: The Laburnum Top-Ted Hughes Snapshots Chapter 3: Ranga's Marriage – MastiVenkateshalyengar Chapter 4- Albert Einstein At School- Patrick Pringle LISTENING AND SPEAKING SKILLS EVALUATION	Re-ordering Of sentences , Tenses	Letter to Editor, (official), Business letters – Placing an order/making enquiries/registering complaints /asking for and giving information
SEPTEMBER	Hornbill: Chapter 4; Landscape of the Soul – Nathalie Trouveroy Poem: The Voice Of the Rain-Walt Whitman	Transformation of sentences;	Business Letters continued; Letter to school/college authorities,regarding admission, School issues , Requirements/ Suitability of courses .
OCTOBER	Hornbill: Chapter 5-The Ailing Planet:The Green Movements Role-NaniPalkiwala Chapter 6- The Browning Version Snapshots: Chapter 5- Mother's Day-J.B. Presley	Simple Sentences	Informal letters, Speech
NOVEMBER	Hornbill Poem: Childhood-Markus Natten	Transformation of sentences continued;	

DECEMBER	Snapshots Chapter 7 – Birth A.J.Cronin		Display Advertisements, Factual Description
JANUARY	Hornbill: Chapter 8- Silk Road-Nick Middleton LISTENING AND SPEAKING SKILLS EVALUATION		Debate , Poster Making
FEBRUARY	Revision of whole syllabus		

BUSINESS STUDIES

MONTH	TOPIC
JULY	UNIT 1 : Nature & Purpose of Business UNIT 2 : Forms of Business Organizations + PROJECT WORK
AUGUST	UNIT 3 : Public, Private & Global Enterprises UNIT 4 : Business Services UNIT 7: Sources of Business Finance (cont....) + PROJECT WORK
SEPTEMBER	UNIT 7 : Sources of Business Finance + PROJECT WORK + Revision of topics covered
OCTOBER	UNIT 5: Emerging Modes of Business UNIT 6: Social Responsibility of Business & Business Ethics + PROJECT WORK UNIT 8: Small Business (begins)
NOVEMBER	UNIT 8: Small Business + PROJECT WORK Revision of topics covered
DECEMBER	UNIT 9: Internal Trade UNIT 10: International Business + PROJECT WORK
JANUARY	Revision of topics covered + PROJECT WORK

ACCOUNTANCY

MONTH	
JULY	Ch-1 Introduction to Accounting Ch -2 Basic Accounting terms Ch- 3 Theory base of Accounting& International Financial Reporting Standard Ch-4 Process and Bases of Accounting Ch-5 Accounting Equations
AUGUST	Ch-7 Journal- Books of original entry Ch-11 Ledger Ch-12 Trial balance Ch-8 Cash book Ch-9 Special purpose subsidiary Books
SEPTEMBER	Ch – 6 Project work

	Ch-13 Depreciation Ch-14 Provision & Reserves Revision
OCTOBER	Ch-17 Financial Statement (without adjustment) Ch-18 Financial statement (Adjustment)
NOVEMBER	Ch-15 Bills of exchange Project work
DECEMBER	Ch- 16 Rectification of Errors
JANUARY	Ch- 19 Single Entry system Revision

ECONOMICS

MONTH	Name of the Chapter
August	Micro-Chapter 1 : Economics & Economy → Chapter 2 : Central problems of economy. → Chapter 3 : Consumers equilibrium utility analysis → Chapter 4 : Consumers equilibrium Indifference curve analysis Extra questions → Recapitulations.
September	Micro → Chapter 5 → Theory of demand Micro → Chapter 6 → Price Elasticity of demand Statistics → Chapter 1 : Significance of statistics in Economics Statistics → Chapter 2 : collection of data. Extra questions → Recapitulations.
October	Statistics → Chapter 3 : Census & sample methods of collection of data. Statistics → Chapter 4 : Organisation of data Statistics → Chapter 5 : Textual & tabular presentation Statistics → Chapter 6 : Bar Diagrams Micro → Chapter 7 → Production function
November	Micro → Chapter 8 → Concepts of cost Micro → Chapter 9 : Concepts of revenue. Statistics → Chapter 7 : Histograms Statistics → Chapter 8 : Line Graphs Statistics → Chapter 9 : Measures of central tendency
December	Statistics → Chapter 10: Measures of central tendency Statistics → Chapter 11: Measures of dispersion Micro Economics → Chapter 10 : Concepts of producer equilibrium Micro Economics → Chapter 11 : Theory of supply Micro Economics → Chapter 12: Forms of Market
JANUARY	Micro Economics → Chapter 13: Market Equilibrium Statistics → Chapter 12: Correlation Recapitulation
FEBRUARY	Statistics → Chapter 13: Index numbers Revision Micro & Statistics

BIOLOGY

MONTH	UNIT	CHAPTER
JULY	1	Chapter 1-The living world Chapter 2-Biological classification Chapter 3-Plant kingdom

		Chapter 4 -Animal kingdom
AUGUST	2	Chapter 5-Morphology of flowering plants Chapter 6-Anatomy of flowering plants Chapter 7-Structural organization in animals
SEPTEMBER	3	Chapter 8-Cell- The Unit of life Chapter 9-Biomolecules Chapter10-Cell cycle and cell division
OCTOBER	4	Chapter 11-Transportation in plants Chapter 12-Mineral nutrition Chapter 13-Photosynthesis in higher plants
NOVEMBER	4	Chapter14-Respiration in plants Chapter 15-Plant growth and development
DECEMBER	5	Chapter 16-Digestion and absorption Chapter 17-Breathing and exchange of gases Chapter 18-Body fluids and circulation Chapter 19-Excretory products and their elimination
JANUARY	5	Chapter 20-Locomotion and movement Chapter 21-Neural control and co-ordination Chapter 22-Chemical co-ordination and integration.

CHEMISTRY

MONTH	NAME OF THE CHAPTER
JULY	Unit 1: Some basic concepts of chemistry
AUGUST	Unit 1: Some basic concepts of chemistry Unit 2: Structure of Atom
SEPTEMBER	Unit 3:Classification of Elements and periodicity in properties Unit 4: Chemical bonding and molecular structure
OCTOBER	Unit 5: States of matter: Gases and Liquids
NOVEMBER	Unit 6: Chemical Thermodynamics Unit 7:Equilibrium
DECEMBER	Unit 8: Redox Reactions Unit 9: Hydrogen Unit 10: S- block elements(Alkali and Alkaline Earth metals)
JANUARY	Unit 11:Some p-block elements Unit 12: Organic Chemistry: Some basic principles and techniques
FEBRUARY	Unit 13: Hydrocarbons Unit 14: EnvironmentalChemistry

PHYSICS

MONTH	NAME OF THE CHAPTER
JULY	PHYSICAL WORLD UNITS AND MEASUREMENTS
AUGUST	MOTION IN A STRAIGHT LINE MOTION IN A PLANE LAWS OF MOTION
SEPTEMBER	WORK, ENERGY AND POWER SYSTEM OF PARTICLES AND ROTATIONAL MOTION
OCTOBER	GRAVITATION MECHANICAL PROPERTIES OF SOLIDS

NOVEMBER	MECHANICAL PROPERTIES OF FLUIDS THERMAL PROPERTIES OF MATTER
DECEMBER	THERMODYNAMICS KINETIC THEORY
JANUARY	OSCILLATIONS WAVES

MATHEMATICS

Month	Chapter
JULY	Chapter 9 – Sequences and series Chapter 1- Sets
AUGUST	Chapter 2 – Relations and functions Chapter 3 – Trigonometric Functions Chapter 6- Linear Inequalities
SEPTEMBER	Chapter 4– Principle of Mathematical Induction Chapter 5– Complex Numbers and Quadratic Equations
OCTOBER	Chapter 7 – Permutations and Combinations Chapter 8 – Binomial Theorem Chapter 10- Straight lines
NOVEMBER	Chapter 12 – Introduction to three Dimensional geometry Chapter 11 – Conic Sections
DECEMBER	Chapter 15- Statistics Chapter 16- Probability
JANUARY	Chapter 13– Limits and derivatives Chapter 14– Mathematical Reasoning

APPLIED MATHEMATICS

Month	Chapters
JULY	6, Sequence and series
AUGUST	5, Sets and Relations 2, Indices and logarithms 3, Quantitative and Aptitude
SEPTEMBER	4, Mensuration 7, Permutation and Combination 1, Numbers
OCTOBER	9, Functions 10, Limits and continuity 13, Descriptive Statistics
NOVEMBER	14, Compound Interest and Annuity 15, Taxation 16, Utility Bills
DECEMBER	17, Straight lines 18, Circles and Parabola
JANUARY	8, Mathematical reasoning 11, Differentiation 12, Probability

POLITICAL SCIENCE

MONTH	NAME OF THE CHAPTER
--------------	----------------------------

JULY	PART-A Ch.1-Constitution-Why and How? Ch.2-Rights in the Indian Constitution
AUGUST	Ch.3-Election and Representation Ch.4-Executive Ch.5-Legislature
SEPTEMBER	PART B- Ch.1-Political Theory- An Introduction Ch2- Freedom Ch.3- Equality
OCTOBER	PART B- Ch.4- Social Justice Ch.5-Ch.5-Rights Ch.6-Citizenship
NOVEMBER	PART A Ch.6-Judiciary Ch.7-Federalism Ch.8-Local Governments
DECEMBER	PART B Ch.7- Nationalism Ch.8- Secularism Ch.9- Peace
JANUARY	PART A Ch.9- Constitution As a Living Document Ch. 10-The Philosophy of the Constitution PART B –Ch.10- Development
FEBRAURY	ANNUAL EXAMINATION

HISTORY

MONTH	CHAPTER
JULY	Theme 1 From the beginning of time.
AUGUST	Theme 2 Writing and city life. Theme 3 An empire across three continents.
SEPTEMBER	Theme 4 The central Islamic lands.
OCTOBER	Theme 5 Nomadic empires. Theme 6 The three orders.
NOVEMBER	Theme 7 Changing cultural traditions. Theme 8 Confrontation of cultures.
DECEMBER	Theme 9 The industrial revolution. Theme 10. Displacing indigenoues peoples.
JANUARY	Theme 11. Paths to modernisation.
FEBRUARY	Revision.

PHYSICAL EDUCATION

MONTH	CHAPTER
JULY/	1. CHANGING TRENDS AND CARRER IN PHYSICAL EDUCATION 2. PHYSICAL FITNESS, WELLNESS, AND HEALTHY LIFESTYLE
AUGUST	3. OLYMPIC MOVEMENT 4. YOGA
SEPTEMBER	5. DOPING 6. PHYSICAL ACTIVITY ENVIRONMENT
OCTOBER	7. TEST AND MEASUREMENT 8. FUNDAMENTALS OF ANATOMY AND PHYSIOLOGY 9. BIOMECHANICS AND SPORTS

NOVEMBER	10. PSYCHOLOGY IN SPORTS 11. PHYSICAL FITNESS AND WELLNES
DECEMBER	12. TRAINING IN SPORTS

COMPUTER

MONTH	UNITS
JULY	<p>Unit 1 Computer Systems and Organisation Basic Computer Organisation: Introduction to computer system, hardware, software, input device, output device, CPU, memory (primary, cache and secondary), units of memory (Bit, Byte, KB, MB, GB, TB, PB)</p> <ul style="list-style-type: none"> ● Types of software: system software (operating systems, system utilities, device drivers), programming tools and language translators (assembler, compiler & interpreter), application software ● Operating system (OS): functions of operating system, OS user interface <p>Unit II: Computational Thinking and Programming – 1 Familiarization with the basics of Python programming: Introduction to Python, features of Python, executing a simple "hello world" program, execution modes: interactive mode and script mode, Python character set, Python tokens (keyword, identifier, literal, operator, punctuator), variables, concept of l-value and r-value, use of comments</p> <ul style="list-style-type: none"> ● Knowledge of data types: number (integer, floating point, complex), boolean, sequence (string, list, tuple), none, mapping (dictionary), mutable and immutable data types ● Operators: arithmetic operators, relational operators, logical operators, assignment operator, augmented assignment operators, identity operators (is, is not), membership operators (in, not in)
AUGUST	<p>Unit 1 Computer Systems and Organisation</p> <ul style="list-style-type: none"> ● Number system: Binary, Octal, Decimal and Hexadecimal number system; conversion between number systems. ● Encoding schemes: ASCII, ISCII and UNICODE (UTF8, UTF32) <p>Unit II: Computational Thinking and Programming – 1 Expressions, statement, type conversion & input/output: precedence of operators, expression, evaluation of expression, python statement, type conversion (explicit & implicit conversion), accepting data as input from the console and displaying output</p> <ul style="list-style-type: none"> ● Errors: syntax errors, logical errors, runtime errors ● Flow of control: introduction, use of indentation, sequential flow, conditional and iterative flow control ● Conditional statements: if, if-else, if-elif-else, flowcharts, simple programs: e.g.: absolute value, sort 3 numbers and divisibility of a number ● Iterative statements: for loop, range function, while loop, flowcharts, break and continue statements, nested loops, suggested programs: generating pattern, summation of series, finding the factorial of a positive number etc
SEPTEMBER	<p>Unit 1 Computer Systems and Organisation Emerging trends: Cloud computing, cloud services (SaaS, IaaS, PaaS), blockchains, Artificial Intelligence (AI), Machine Learning (ML), Internet of Things (IoT)</p> <p>Unit II: Computational Thinking and Programming – 1 Strings: introduction, indexing, string operations (concatenation, repetition, membership & slicing), traversing a string using loops, built-in functions: len(), capitalize(), title(), lower(), upper(), count(), find(), index(), endswith(), startswith(), isalnum(), isalpha(), isdigit(), islower(), isupper(), isspace(), lstrip(), rstrip(), strip(), replace(), join(), partition(), split()</p>

OCTOBER	<p>Unit II: Computational Thinking and Programming – 1</p> <p>Lists: introduction, indexing, list operations (concatenation, repetition, membership & slicing), traversing a list using loops, built-in functions: len(), list(), append(), extend(), insert(), count(), index(), remove(), pop(), reverse(), sort(), sorted(), min(), max(), sum(); nested lists, suggested programs: finding the maximum, minimum, mean of numeric values stored in a list; linear search on list of numbers and counting the frequency of elements in a list</p> <p>Tuples: introduction, indexing, tuple operations (concatenation, repetition, membership & slicing), built-in functions: len(), tuple(), count(), index(), sorted(), min(), max(), sum(); tuple assignment, nested tuple, suggested programs: finding the minimum, maximum, mean of values stored in a tuple; linear search on a tuple of numbers, counting the frequency of elements in a tuple</p>
NOVEMBER	<p>Unit II: Computational Thinking and Programming – 1</p> <ul style="list-style-type: none"> • Dictionary: introduction, accessing items in a dictionary using keys, mutability of dictionary (adding a new item, modifying an existing item), traversing a dictionary, built-in functions: len(), dict(), keys(), values(), items(), get(), update(), del(), clear(), fromkeys(), copy(), pop(), popitem(), setdefault(), max(), min(), count(), sorted(), copy(); suggested programs : count the number of times a character appears in a given string using a dictionary, create a dictionary with names of employees, their salary and access them • Sorting techniques: Bubble and Insertion sort
DECEMBER	<p>Unit II: Computational Thinking and Programming – 1</p> <ul style="list-style-type: none"> • Introduction to Python modules: Importing module using 'import ' and using from statement, Importing math module (pi, e, sqrt, ceil, floor, pow, fabs, sin, cos, tan); random module (random, randint, randrange), statistics module (mean, median, mode)
JANUARY	Unit III: Society, Law and Ethics

HINDUSTANI MUSIC (VOCAL)

MONTH	THEORY(30 MARKS)	PRACTICAL
JULY	Definitions- Sangeet, Dwani, Nada, Shud swara, Saptap Taal, Jati, Raag, Swarmalika, Tapshangeet, Laya, Thaata, Nibaddha and Anibaddha.	Alankar and Laya
AUGUST	Classification of Raagas, Time theory + Taal- Notation	Taal
SEPTEMBER	Exam (Quarterly)	
OCTOBER	Brief study of Musical Shastra (Granth)	One Raag
NOVEMBER	Raag Varnan	One Raag
DECEMBER	Exam (Half yearly)	Exam
JANUARY	Brief History of Dhrupad, Khayal, Tarana and Gharana Contribution and short life sketch of Musician	
FEBRUARY	Exam	

PAINTING

MONTH	SYLLABUS
JULY	Introduction of Basics of Art. Pre Historic Rock Painting. Art Of Indus Valley Civilization.
AUGUST	Buddhist Hindu and Jain Art. Ajanta Caves and its Paintings and Sculptures.
SEPTEMBER	Revision.
OCTOBER	Temple Sculpture Bronzes Indo Islamic Architecture.
NOVEMBER	Rajasthani School Of Miniature Painting
DECEMBER	Artists of Rajasthani School of Miniature painting Introduction of Pahari School Miniature Painting
January	Revision.

HINDI

महीना	पाठ
जुलाई	आरोह: 1.नमक का दारोगा(गद्य) 2.कबीर(पद्य) 3.जनसंचार माध्यम
अगस्त	आरोह: 1.मियाँ नसीरुद्दीन(गद्य) 2.मीरा(पद्य) वितान: 1.लता मंगेशकर जनसंचार माध्यम एवं पत्रकारिता
सितंबर	आरोह:1.अपू के ढाई साल(गद्य) 2.विदाई संभाषण(गद्य) 3.पथिक(पद्य) 4.फीचर लेखन
अक्टूबर	आरोह: 1.गलता लोहा(गद्य) 2.स्पीति में बारिश(गद्य) 3.वे आँखें(पद्य) वितान:राजस्थान की रजत बूँदे
नवम्बर	आरोह: 1.रजनी(गद्य) 2.घर की याद(पद्य) 3.चंपा काले काले अक्षर नहीं चीन्हति 4.आलेख और पत्र लेखन
दिसम्बर	आरोह:1.जामुन का पेड़(गद्य) 2.गजल(पद्य) 3.हे भूख मत मचल(पद्य)
जनवरी	आरोह:1.सबसे खतरनाक(पद्य) 2.आओ मिलकर बचाएँ(पद्य)

	3.भारत माता(गद्य)
फरवरी	आरोहःआत्मा का (गद्य) पढ़ाए गए सभी पाठों की पुनरावृत्ति की जाएगी।

KATHAK

Month	Practical	Theory	Step & Riyaz
July	Taal -Teental Hastak Tatkar Tihaai	1. A brief history of Indian dance. 2. Acquaintance with the themes of Ramayanana, Mahabharataa, Bhagvat a Purana and Gita Govinda in Context. of Kathak. Acquaintance with other myths and legends pertinent to the dance drama or gat bhaav like Kalia daman, Govardhan lila, Panght lila, Draupadi cheer haran, Makhan chori, Marich vadh, Bhasmasur vadh, Madan dahan, etc.	Teen Taal Ekgun, Dugun Chaugun
August	That, Amod Chakkardar Tihaai Fast Amad	3. A brief history of athak Dance. (a) Reference from ancient text (vedic, Puranic, epics and other scriptures) evolution of Kathak dance in Pracheen Kal/ Mandir kal (Kathavachak and Rasdhar Tradition, etc.) Madhyakal/ Darbarkal, Adhunik kal Covering British and post independent era till the present time. 4. Acquaintance with its repertoire. Rang pravesh/ invocation, compositions (Bandish) from traditional technical dance part of kathak literary contents- abhinay, bhajans, thumri, dadra, ghazals, dhrupad, kavit, etc. Rhythmic musical composition like Tarana, tirvat, Chaurang, etc.	Knowledge Of Kathak dance and other Indian dance
September	Vandana 1 and 2 Tukda and chakkardar Tukda Natwari katukra	5. Distinctive aspects of Kathak (using of ghungrus, chakkars, upaj, costume, etc.) 6. Ability to write notation of teen tal and jhaptal (thah, dugun, chaugun)	Lehra prectice Chakkar Prectice 3 lags, 4 Lags 5 Lags
October	Gatnikar Gatbhav	7. Definition and short explanation Nritta, Naritya, Natya, Tandava, Lasya, Anga, Upanga, Pratyanga.	Practice of Padhant and toda Tukda

November	Different Prectice Anga, Pra Hanga, Upanga	Revision and test	Practice of chakkars and tatkar chugun and Tihaiyan.
December	Prahant of Teental, Jhaptal with hast kriya in than dugun, chaugun	Revision	Finishing hastkriya & that also with laya
	Practice	Revision	Revision