

Carmel Convent Sr. Sec. School
Syllabus for Class XI (2024-25)
ENGLISH

MONTH	LITERATURE	GRAMMAR	WRITING
April	Hornbill: L-1: The Portrait of a Lady Poem: A Photograph Snapshots: L-1: The Summer of Beautiful White Horse	Gap Filling (Tenses)	Classified Advertisements (Situation Vacant/Wanted)
July	Hornbill: L-2: We're Not Afraid to Die....If We Can All Be Together Poem: The Laburnum Top Snapshots: L-2: The Address	Clauses (Noun / Adjective / Adverb)	Classified Advertisements (Lost/Found), (Sale/Purchase), (To Let), (Tours/Travel), (Educational, Business)
August	Hornbill: L-3: Discovering Tut: the Saga Continues Poem: The Voice of Rain Snapshots: L-5: Mother's Day	Re-ordering of Sentences	Note Making
September	Assessment of listening and	Speaking skills	Speech
	Revision for Quarterly	Examination	
October	Hornbill: L-7: The Adventure L-8: Silk Road Poem: Childhood Snapshots: L-7: Birth	Transformation of sentences	Poster making
	English Project: Guidelines to	be shared with	students
November / December	Hornbill: Poem: Father to Son Snapshots: L-8: The Tale of Melon City English Project: Suggestions and Improvements to be made wherever necessary.	Revision for Half Yearly Examination	Debate Writing
January / February	English Project: Submission of Project		

हिंदी

माह	पाठ
अप्रैल	1. नमक का दरोगा(गद्य) 2. कबीर के पद(काव्य) 3. मीरा के पद(काव्य) 4. जनसंचार माध्यम
जुलाई	1. मियां नसीरुद्दीन(गद्य) 2. अपू के साथ ढाई साल(गद्य) 3. भारतीय गायिकाओं में बेजोड़: लता मंगेशकर(वितान)
अगस्त	1. विदाई संभाषण(गद्य) 2. गलता लोहा(गद्य) 3. पत्रकारिता के विविध आयाम
सितंबर	1. रजनी(गद्य) 2. घर की याद(काव्य) 3. राजस्थान की रजत बूंदें (वितान)
अक्टूबर	1. जामुन का पेड़(गद्य) 2. चंपा काले काले अक्षर नहीं चिन्हती (काव्य) 3. गजल (काव्य) 4. डायरी एवम् कथा पटकथा लिखने की कला
नवंबर	1. हे भूख मत मचल/हे मेरे जूही के फूल जैसे ईश्वर(काव्य) 2. भारत माता +गद्य) 3. स्वतंत्र लेखन, रोजगार संबंधी आवेदन पत्र कार्यालयी लेखन और प्रक्रिया
दिसंबर	1. आओ मिलकर बचाएं (काव्य) 2. शब्दकोश: एक परिचय
जनवरी	1. आलो आंधारी (वितान) समस्त पाठों की पुनरावृत्ति

MATHS

MONTH	SYLLABUS
April/may	Ch 8- Sequences and Series
July	Ch 1 - Sets Ch 2- Relations and Functions
August	Ch 3- Trigonometric Functions Ch 4- Complex Numbers and Quadratic Equations Ch 5- Linear Inequalities

September	Ch 9- Straight Lines Ch 6- Permutations and Combinations
October	Ch 7- Binomial Theorem Ch- 10 Conic Sections Ch 14- Probability
November	Ch 13- Statistics Ch 11- Introduction to Three Dimensional Geometry
December	Ch 12- Limits and Derivatives
January	Revision

ACCOUNTANCY

MONTH	TOPIC COVERED
April-may	PART-A Financial Accounting -I <ul style="list-style-type: none"> • Introduction to Accounting • Basic Accounting terms
July	PART-A Financial Accounting -I <ul style="list-style-type: none"> • Theory base of Accounting & International Financial Reporting Standard • Process and Bases of Accounting • Accounting Equations
August	<ul style="list-style-type: none"> • Goods and Service Tax (GST) • Journal- Books of original entry • Cash Book • Trial balance
September	<ul style="list-style-type: none"> • Other Special purpose Book • Ledger • Trial Balance
October	<ul style="list-style-type: none"> • Depreciation • Provision and Reserve
November	PART-B Financial Accounting –II <ul style="list-style-type: none"> • Financial Statement without Adjustment • Financial Statement with Adjustment
December	<ul style="list-style-type: none"> • Rectification of Errors
January	<ul style="list-style-type: none"> • Bank Reconciliation statement

BIOLOGY

MONTH	SYLLABUS
April	Unit 1 Ch 1 -The Living World Ch 2 – Biological Classification
July	Unit 1 Ch 3 – Plant Kingdom Ch 4- Animal Kingdom
August	Unit 2 Ch 5- Morphology of Flowering Plants Ch 6- Anatomy of Flowering Plants
September	Unit 2 Ch 7- Structural Organisation in Animals

October	Unit 3 Ch 8- Cell: The Unit of Life Ch 9- Biomolecules Ch 10- Cell Cycle and Cell Division
November	Unit 4 Ch 11- Photosynthesis in Higher Plants Ch 12- Respiration in Plants Ch 13- Plant Growth and Development
December	Unit 5 Ch 14-Breathing and Exchange of Gases Ch 15-Body Fluids and Circulations Ch 16-Excretory Products and Their Elimination
January	Unit 5 Ch 17-Locomotion and Movement Ch 18-Neural Control And Co-Ordination Ch 19-Chemical Co-Ordination And Integration.
February	Revision And Exams

CHEMISTRY

MONTH	SYLLABUS
April	Ch 1 Some basic concepts of chemistry
July	Ch 2 Structure of Atom
August	Ch 3 Classification of elements and periodicity in properties
September	Ch 4 Chemical bonding and molecular structure
October	Ch 6 Chemical Thermodynamics
November	Ch 7 Equilibrium
December	Ch 8 Redox Reactions
January	Ch 12 Organic chemistry: Some basic principles & techniques Ch 13 Hydrocarbons
February	Ch 13 Hydrocarbons (Contd) Revision

PHYSICS

MONTH	SYLLABUS
April	Physical World and Measurement Units and Measurements
July	Kinematics <ul style="list-style-type: none"> • Motion in a Straight Line • Motion in a Plane • Laws of Motion
August	Work, Energy and Power
September	System of Particles and Rotational Motion
October	Gravitation
November	Properties of Bulk Matter <ul style="list-style-type: none"> • Mechanical Properties of Solids • Mechanical Properties of Fluids • Thermal Properties of Matter
December	Thermodynamics <ul style="list-style-type: none"> • Thermodynamics • Behavior of Perfect Gases and Kinetic Theory of Gases

	<ul style="list-style-type: none"> • Kinetic Theory
January	Oscillations and Waves <ul style="list-style-type: none"> • Oscillations • Waves

ECONOMICS

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

PHYSICAL EDUCATION

MONTH	CHAPTER
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April	1. CHANGING TRENDS AND CARRER IN PHYSICAL EDUCATION <ul style="list-style-type: none"> • Definition of physical education • Aims and objectives • Concept and principles of integrated physical education • Concept of adapted physical education.
July	2. OLYMPISM <ul style="list-style-type: none"> • Ancient and modern Olympic • International Olympic committee • Indian Olympic association • Olympic symbols Motto, oath, and anthem • Olympic movement structure IOC, NOC, IFS, other members 3. YOGA <ul style="list-style-type: none"> • Meaning and importance of yoga • Elements of yoga • Introduction to asana, pranayama, meditation. • Physiological benefits of asana. • Prevention of comman lifestyle diseases obesity, diabetes, hyper tension, back pain
August	4. PHYSICAL EDUCATION AND SPORTS FOR CHILDREN WITH SPECIAL NEED <ul style="list-style-type: none"> • concept of disability and disorder • types of disability (cognitive, intellectual, physical disability) • Adapted physical education 5. PHYSICAL FITNESS, WELLNESS, AND HEALTHY LIFESTYLE <ul style="list-style-type: none"> • Meaning and importance of physical fitness • Components of physical fitness • Components of wellness • Components of positive lifestyle TRADITIONAL SPORTS AND REGIONAL GAMES
September	6. TEST AND MEASUREMENT <ul style="list-style-type: none"> • DEFINITIONS • Importance of test and measurement • Calculation of BMI & waist and hip ratio • Somatotype (ectomorph mesomorph endomorph) 7. FUNDAMENTALS OF ANATOMY AND PHYSIOLOGY <ul style="list-style-type: none"> • DEFINITIONS • Importance of anatomy and physiology • Functions of various system • Circulatory system, respiratory system, muscular system etc. • Oxygen debt, second wind
October	8. BIOMECHANICS AND SPORTS <ul style="list-style-type: none"> • Meaning and importance of bio mechanics • Newtons law of motion • Principles of biomechanics • Axis and Planes

	<ul style="list-style-type: none"> • Types of movements • Application in sports 9. PSYCHOLOGY IN SPORTS <ul style="list-style-type: none"> • DEFINITION AND IMPORTANCE • Adolescent problems and their management • Laws of learning and transfer of training • Plateau causes of plateau
November	10. TRAINING AND DOPING IN SPORTS <ul style="list-style-type: none"> • Meaning and concept • Principle of sports training • Warming up and limbering down • Adaptation and recovery • Overload
December	11. DOPING <ul style="list-style-type: none"> • Concept and classification of doping • Prohibited method and substances • Ergogenic aids and doping in sports • Doping control procedure

PAINTING

MONTH	SYLLABUS
April	Introduction of Basics of Art.
July	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	Rajasthan School Of Miniature Painting
December	Artists of Rajasthan School of Miniature painting Introduction of Pahari School Miniature Painting

POLITICAL SCIENCE

MONTH	Name of lesson
April	PART-A Ch 1-Constitution-Why and How?
July	Ch 2 – Rights in the Indian Constitution Ch 3 – Election and Representation
August	Ch 4 – Executive Ch 5 – Legislature
September	Ch 6 – Judiciary

	Ch 7- Federalism Ch 8 – Local Governments
October	Ch 9 – Constitution as a Living Document Ch 10 – The Philosophy of the Constitution TERM - 1
November	PART-B Ch 1 – Political Theory Ch 2 - Freedom
	Ch 3– Equality Ch 4- Justice
December	Ch 5– Rights Ch 6-Citizenship
January	Ch 7– Nationalism Ch 8 - Secularism
February	TERM - 2

COMPUTER SCIENCE

Computer Science 2024-25 (Split-up Syllabus) Book: COMPUTER SCIENCE, Textbook	
Month	Portion to be covered.
April	<p>Unit I: Computer Systems and Organisation Ch 2: Encoding Schemes and Number System</p> <ul style="list-style-type: none"> • Encoding schemes: ASCII, ISCII and UNICODE (UTF8, UTF32) • Number system: Binary, Octal, Decimal and Hexadecimal number system; conversion between number systems <p>Unit III: Society, Law and Ethics Ch 11: Societal Impact</p> <ul style="list-style-type: none"> • Digital Footprints , Digital society and Netizen • Data protection: Intellectual Property Right (copyright, patent, trademark), violation of IPR (plagiarism, copyright infringement, trademark infringement), open source softwares and licensing • Cyber-crime: definition, hacking, eavesdropping, phishingandfraud emails, ransomware, preventing cyber crime • Cyber safety: safely browsing the web, identity protection, confidentiality, cyber trolls and bullying. • Safely accessing web sites: malware, viruses, trojans, adware • E-waste management: proper disposal of used electronic gadgets • Indian Information Technology Act (IT Act) <ul style="list-style-type: none"> • Technology & Society: Gender and disability issues whileteaching and using computers
July	<p>Unit I: Computer Systems and Organisation Ch 4 : Introduction to Problem Solving</p> <ul style="list-style-type: none"> • Introduction to problem solving: Steps for problemsolving(analysing the problem, developing an algorithm, coding, testingand debugging). • Representation of algorithms using flow chart and pseudocode,decomposition <p>Unit II: Computational Thinking and Programming–1 Ch 5 : Getting Started with Python</p> <ul style="list-style-type: none"> • Familiarization with the basics of Python programming:Introduction to Python, features of Python, executing a simple"hello world" program,

	<p>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, floatingpoint, complex), boolean, sequence (string, list, tuple), none, mapping(dictionary), mutable and immutable data types
August	<p>Unit II: Computational Thinking and Programming–1 Ch 5: Getting Started with Python</p> <ul style="list-style-type: none"> • Operators: arithmetic operators, relational operators, logical operators, assignment operator, augmented assignment operators, identity operators (is, is not), membership operators (in, not in) • 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 <ul style="list-style-type: none"> • Errors: syntax errors, logical errors, runtime errors <p>Unit I: Computer Systems and Organisation Ch 1 : Computer System</p> <ul style="list-style-type: none"> • Basic Computer Organisation: Introduction to computer system, hardware, software, input device, output device, CPU, memory and its units. • Types of software: system software (operating systems, system utilities, device drivers), programming tools and language translators, application software
September	<p>Unit II: Computational Thinking and Programming–1 Ch 6: Flow of Control</p> <ul style="list-style-type: none"> • 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 <p>Unit I: Computer Systems and Organisation</p> <ul style="list-style-type: none"> • Boolean logic: NOT, AND, OR, NAND, NOR, XOR, NOT, truth tables and De Morgan's laws, Logic circuits
October	<p>Unit II: Computational Thinking and Programming–1 Ch 8: Strings</p> <ul style="list-style-type: none"> • Strings introduction, indexing, string operations (concatenation, repetition, membership & slicing), traversing a string using loops • String 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()
November	<p>Unit II: Computational Thinking and Programming–1 Ch 9 : Lists</p> <ul style="list-style-type: none"> • Lists: introduction, indexing, list operations (concatenation, repetition, membership & slicing), traversing a list using loops, • Lists built-in functions: len(), list(), append(), extend(), insert(), count(), index(), remove(), pop(), reverse(), sort(), sorted(), min(), max(), sum(); nested lists\ • Ch 9 : Functions : Introduction to Functions (UDFs)

December	Unit II: Computational Thinking and Programming–1 Ch 10 : Tuples and Dictionaries <ul style="list-style-type: none"> • Tuples: introduction, indexing, tuple operations (concatenation, repetition, membership & slicing). • Tuples built-in functions: len(), tuple(), count(), index(), sorted(), min(), max(), sum(); tuple assignment, nestedtuple.
January	Unit II: Computational Thinking and Programming–1 Ch 10 : Tuples and Dictionaries <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(); 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)
February	Project Work Remedial classes: on Saturdays (during school hours)

APPLIED MATHS

MONTH	SYLLABUS
April / may	Ch 1- Numbers Ch 2- Indices and Logarithms
July	Ch 3- Quantitative Aptitude Ch 4- Mensuration Ch 5- Sets and Relations
August	Ch 6- Sequences and Series Ch 8- Logical Reasoning Ch 7 – Permutations and Combinations
September	Ch 9 - Functions Ch 12- Probability Ch 10 – Limits and Continuity
October	Ch 13- Descriptive Statistics Ch 14 – Compound Interest and Annuity
November	Ch 11- Differentiation Ch 15 - Taxation
December	Ch 17 – Straight Line
January	Ch 18 – Circle and Parabola Ch 16- Utility Bills