



Year Plan (2026-27)

ISC Section
Gr. 11& 12

CARMEL ACADEMY, CHALAKUDY
YEAR PLAN – 2025-26

ENGLISH I
June

GRADE 11

Unit 1

A . Transformation
of Sentences(1

B.Proposal Writing

C.Phrasal verb

D.Specimen Paper

Unit 2

A.Transformation of
Sentences (2)

B.Composition-Organisation

C. Phrasal Verbs

D.Specimen Paper

July

Unit 3

A. Agreement of Subject and
Verb

B. Directed Writing-1

C. Phrasal Verbs

D.Specimen Paper

Unit 4

A. Simple, Compound and
Complex Sentences

August

B.Creative Writing

C.Phrasal Verbs

D.Specimen Paper

Unit 5

A.Direct and Indirect
Speech.

B.Description of Characters.

C.Phrasal Verbs

D.Specimen Paper

Unit 6

A.Active and Passive Voice.

BDirected Writing-2

C.Phrasal Verbs

D.Specimen Paper

Unit 7

A.Use of Adjectives

B.Atmosphere in Creative
Writing.

C.Phrasal Verbs

D.Specimen Paper

September

Unit 8

A.Conditional Sentences (1)

October

B. Directed Writing-3

C. Phrasal Verbs

D. Specimen Paper

Unit 9

A. Conditional Sentences (2)

B. Characterisation

C. Phrasal Verbs

D. Specimen Paper

Unit 10

A. Tenses and Their Use (1)

B. Descriptive Composition

C. Homophones

D. Specimen Paper

Unit 11

A. Tenses and Their Use (2)

B. Argumentative
Composition.

C. Homophones

D. Specimen Paper

Unit 12

A. Sequences of Tenses

B. Narrative Composition

C. Correct Use of Words.

November

D.Specimen Paper

Unit 13

A.Use of Multiple
Prepositions (1)

B.Short Stories

C.Correct Use of Words.

D.Specimen Paper

Unit 14

A.Use of Multiple
Prepositions (2)

B.Comprehension Skills.

C.Correct Use of Words.

D.Specimen Paper

December

Unit 15

A.Use of Since and For

B.Summary Writing

D.Specimen Paper.

GRADE: XI**ENGLISH LITERATURE**

JUNE

DRAMA: MACBETH ACT I

SHORT STORY: * A LIVING GOD.

*ADVICE TO YOUTH.

POEM : ABHISARA :THE TRYST.

JULY

DRAMA : MACBETH ACT I

SHORT STORY : *THE PAPER MENAGERIE.

POEM : WHY I LIKE THE HOSPITAL

AUGUST

POEM : SONNET 116.

SEPTEMBER

DRAMA : MACBETH ACT II

SHORT STORY : THE GREAT AUTOMATIC GRAMMATIZATOR.

OCTOBER

SHORT STORY: THANK YOU , MA'AM.

NOVEMBER

DRAMA : MACBETH ACT III

POEM : *DEATH OF A NATURALIST

STRANGE MEETINGS.

CARMEL ACADEMY CHALAKUDY

YEAR PLAN 2025 - 26

GRADE: XI

SUBJECT: PHYSICS

Month	Chapter Numbers & Name
June	Unit 1: <u>Physical World and Measurements</u> 2. Units and measurements : Error analysis and significant figures 3. Dimensional analysis Unit 2: <u>KINEMATICS</u> 4. Motion in a straight line 5. Motion in a plane
July	Unit 3: <u>LAWS OF MOTION</u> 6. Newton's laws of motion 7. Friction 8. Uniform circular motion Unit 4: <u>WORK, ENERGY AND POWER</u> 9. Work, Energy and Power Unit 5: <u>MOTION OF SYSTEM OF PARTICLES AND RIGID BODY</u> 10. Centre of mass 11. Rotational Motion of a rigid body : Moment of inertia
August	Term I Exam
September	Unit 6: <u>GRAVITATION</u> 12. Gravitation : Planets and Satellites Unit 7: <u>PROPERTIES OF MATTER</u> 13. Elasticity 14. Fluid Pressure Unit 7: <u>PROPERTIES OF MATTER (cont.d)</u> 15. Flow of Liquids 16. Surface Tension

October	<u>Unit 8: HEAT AND THERMODYNAMICS</u> 17. Thermal Properties of Matter 18. Heat Transfer 19. Thermodynamics 20. Isothermal and Adiabatic Process 21. Heat Engine : Second Law of Thermodynamics <u>Unit 9: BEHAVIOUR OF PERFECT GAS AND KINETIC THEORY OF GASES</u> 22. Behaviour of perfect gas and kinetic theory of gases
November	<u>Unit 10: OSCILLATIONS AND WAVES</u> 23. Simple Harmonic Motion 24. Free and Damped Oscillations 25. Waves 26. Wave Motion 27. Superposition of Waves-1: Interference and Beats <u>Unit 10: OSCILLATIONS AND WAVES</u> 28. Superposition of Waves-2: Stationary (Standing) Waves: Vibration of Air Columns 29. Vibrations of stretched strings
December	Revision
January	Annual Examinations

Grade XI**Subject : Chemistry**

Month	Lesson numbers, name & Practical work	Term exam
June	L-2 Structure of atom L-3 Classification of elements and periodicity in properties Practical work: Basic laboratory techniques: Salt analysis	
July	L-1 Some basic concepts of chemistry I-4 Chemical bonding and molecular structure Practical work: Salt analysis	
August	L-8 Organic Chemistry; Some basic principles and techniques Practical work: Salt analysis	Term 1
September	L-8 Organic Chemistry; Some basic principles and techniques(cont) L-5 Chemical Thermodynamics Practical work: Volumetric analysis	Mid Term
October	L-6 Equilibrium Practical work: Volumetric analysis	Term 2
November	L-7 Redox reactions 9 Hydrocarbons Practical work: Volumetric analysis	
December		Annual Exam

GRADE: XI

BIOLOGY

Month	Chapters
June	Unit 1: <u>DIVERSITY OF LIVING ORGANISMS</u> 1. The living world 2. Biological classification 3. Plant Kingdom 4. Animal Kingdom Unit 2: <u>STRUCTURAL ORGANISATION IN ANIMALS AND PLANTS</u> 5. Morphology of flowering plants
July	6. Anatomy of flowering plants 7. Structural organisation in animals(frog) Unit 3: <u>CELL STRUCTURE AND FUNCTION</u> 8. Cell : The unit of life 9. Cell cycle and cell division 10. Biomolecules Unit 5: <u>HUMAN PHYSIOLOGY</u> 11. Breathing and exchange of gases

August	REVISION FIRST TERM EXAMINATION
September	12. Body fluids and circulation 13. Excretory product and their elimination 14. Locomotion and movement 15. Neural control and co-ordination 16. Chemical co-ordination and integration
October	REVISION SECOND TERM EXAMINATION
November	Unit 4: <u>PLANT PHYSIOLOGY</u> 17. Photosynthesis in higher plants 18. Respiration in plants 19. Plant growth and development
December	REVISION THIRD TERM EXAMINATION
PROJECT : Any science related topic PRACTICAL RECORD : Plant life and animal life	

Carmel Academy year plan 2026-2027		
ISC1		Subject: Computer Science
Month	Ch.No.	Chapter Name
June	1	Numbers
	2	Propositional Logic Part1 : Propositional Logic
	2	Propositional Logic Part 2 : Logic Gates
July	3	Introduction to java language
	4	Concept of datatypes
	5	Operators and Expressions
August		Revision
September	6	Decision Making Statements
	15	Trends in computing and ethical issues(Seminar)
	7	Iteration Through Loops
	8	Character Handling and String Manipulations
October	9	Arrays : SDA and DDA
	10	Methods
	11	Class and Constructors
	12	Basic input/output
	13	Recursion
November	14	Implementation of algorithms to solve problems
December		Revision
January		Revision

GRADE: ISC I

SUBJECT: MATHEMATICS

MONTH	CHAPTERS
June	9. Complex Numbers 1.Sets 2.Relations and functions 3. Angles and arc lengths
July	4. Trigonometrical functions 5. Compound and Multiple Angles 21. Measures of Dispersion 12.Permutations and combinations 13.Binomial Theorem 22. Probability
August	11.Inequalities 10. Quadratic Equations Term I Exam
September	18. Limits 19. Differentiation 14. Sequence and Series 15. Basic Concepts of Points and their Coordinates 16. The Straight line
October	17.Circle 26. Points and their Coordinates in 3- Dimensions 23. Parabola 24. Ellipse 25. Hyperbola
November	Term II Exam
December	Revision
January	Term III Exam

Note: The chapters 6, 7, 8, 20, 27, 28, 29, 30 and 31 are removed as per the updated syllabus.

PROJECTS

Project 1: Using Venn diagram, verify the distributive law for three given non-empty sets A, B and C

Project 2: Draw the graph of quadratic function $f(x) = ax^2 + bx + c$. From the graph find the maximum/minimum value of the function. Also determine the sign of the expression.

GRADE: XII

ENGLISH LANGUAGE

MONTH

CHAPTER NUMBERS AND NAMES

February and March

Unit 1

- A. Two Voice - One Meaning
- B. Directed Writing - I
- C. Prepositions
- D. Specimen Paper 1

April and May

Unit 2

- A. Reported Speech - I
- B. Proposal Writing
- C. Prepositions
- D. Specimen Paper

June

Unit 3

- A. Reported Speech - II
- B. Composition - Introduction
- C. Preposition
- D. Specimen Paper

July

Unit 4

- A. Tenses and Their Use - I
- B. Directed Writing - II
- C. Prepositions
- D. Specimen Paper 4

Unit 5

- A. Tenses and Their Use - II
- B. Composition -Organising and Planning
- C. Prepositions
- D. Specimen Paper 5

AUGUST

Unit 6

- A. Tenses and their Uses - II
- B. Directive writing -III
- C. Prepositions
- D. Specimen Paper 6

Unit 7

- A. Tenses and Their Use - IV
- B. Comprehension Skills
- C. Prepositions
- D. Specimen Paper 7

Unit 8

- A. Sequence of Tenses
- B. Summary Writing
- C. Prepositions
- D. Specimen Paper 8

SEPTEMBER

Unit 9

- A. Agreement of the Verb with the Subject
- B. Telling a Story.
- C. Prepositions
- D. Specimen Paper 9

Unit 10

- A. Conditional Sentences
- B. Narrative Composition
- C. Prepositions
- D. Specimen Paper 10

OCTOBER

UNIT 11

- A. Comparison of Adjectives
- B. Descriptive Composition
- C. Prepositions
- D. Specimen Paper 11

Unit 12

- A. Transformation of sentences -I
- B. Argumentative Composition
- C. Prepositions
- D. D. Specimen Paper 12

Unit 13

- A. Transformation of Sentences -I
- B. Reflective Composition
- C. Prepositions
- D. Specimen Paper 13

Unit 14

- A. Transformation of- Miscellaneous Exercise
- B. Free Choice Composition
- C. Preposition
- D. Specimen Paper 14

Month	Chapter Numbers & Name
March	SHORT STORY: Atithi/ Guest POEM: Telephone Conversation
April	DRAMA: Macbeth – Act - III
June	DRAMA: Macbeth – Act - III
July	SHORT STORY: The Cookie Lady POEM: Tithonus
August	DRAMA: Macbeth – Act – III SHORT STORY: There Will Come Soft Rains POEM: Beethoven
September	DRAMA: Macbeth – Act – IV
October	DRAMA: Macbeth – Act – IV SHORT STORY: Indigo POEM: Small Towns and the River
November	DRAMA: Macbeth – Act – V POEM: Death be not Proud
December	SHORT STORY: The Medicine Bag

Month	Chapter Numbers & Name
February	<u>ELECTROSTATICS</u> 1 Electric Charges and Fields 2 Gauss' Theorem 3 Electric Potential
March	4 Capacitors and Dielectrics <u>CURRENT ELECTRICITY</u> 5 Electric Resistance and Ohm's law 6 DC Circuits and Measurements <u>MAGNETIC EFFECTS OF CURRENT AND MAGNETISM</u> 7 Moving charges and magnetic field 8 Torque on a current loop: Moving coil galvanometer.
May	10 Magnetic classification of substances
June	<u>ELECTROMAGNETIC INDUCTION AND ALTERNATING CURRENTS</u> 11 Electromagnetic induction 12 Alternating Current 13 Electromagnetic waves <u>OPTICS</u> 14 Reflection of light: Spherical Mirrors 15 Refraction of light at a plane interface: total internal reflection: optical fiber
July	16 Refraction of light at spherical surfaces: Lenses 17 Refraction and dispersion of light through a prism 18 Optical instruments 19 Wave nature of light: Huygens' Principle 20 Interference of Light 21 Diffraction of light
August	<u>DUAL NATURE OF MATTER AND RADIATION</u>

	23 Photoelectric effect 24 Matter waves
September	<u>ATOMS AND NUCLEI</u> 26 Atom, Origin of Spectra : Bohr's Theory of Hydrogen Atom 27 Nuclear structure 29 Mass – Energy Equivalence : Nuclear Binding Energy 30 Nuclear Fission and Nuclear Fusion : Sources of energy 31 Semiconductor Electronics 32 Junction Diodes
October	Revision
November	Revision
December	Board Practical
January	Pre board Exam

Grade XII**Subject : Chemistry**

Month	Lesson numbers, name & Practical work	Term exam
February	L-6 Haloalkanes and Haloarenes	
March	L-7 Alcohols, Phenols and Ethers L-1 Solutions Practical work: Qualitative analysis	
May	L-2 Electrochemistry	
June	L-2 Electrochemistry(cont) L-8 Aldehydes, Ketones and Carboxylic Acids Practical work : Volumetric analysis	First Mid Term Project Submission
July	L-3 Chemical Kinetics Practical work: Volumetric analysis	Term 1
August	L- 4d -and f -Block Elements L-9 Organic Compounds containing Nitrogen Practical work: Qualitative analysis	
September	L-5 Coordination Compounds L-10 Biomolecules Practical work: Organic salt analysis- Identification of functional groups i) Characteristic tests of carbohydrates and proteins	
October	Revision	Term 2
November	Revision	Practical exam
December	Revision	Model Exam
January	Revision	Pre board
February	Annual exam	

GRADE: ISC II
SUBJECT: BIOLOGY

MONTH	CHAPTER
February	Sexual Reproduction in Flowering Plants Principles of Inheritance and Variation
March	Molecular Basis of Inheritance Biotechnology – Principles and Processes
May	Biotechnology - Applications Human Health and Diseases
June	Human Reproduction Reproductive health Evolution
July	FIRST TERM
August	Organism and Population Ecosystem Biodiversity and Conservation Microbes in Human Welfare
September	SECOND TERM
October	Revision

Month	Chapter Numbers & Name
March	<u>Section C</u> 2.Linear Regression 3.Linear programming <u>Section A</u> 3.Matrices: Types and operations on Matrices 4.Determinants 5.Matrices:Adjoint and Inverse of a square matrix
April	<u>Section A</u> 6.Continuity 7.Differentiability: Derivatives of Trigonometric, Inverse trigonometric, Composite, Logarithmic, Exponential and Implicit functions 9.Applications of derivatives 10.Application of Maxima and Minima
June	<u>Section A</u> 1.Relations and functions 2. Inverse trigonometric Function 14.Probability:Additionand Multiplication Theorems 15. Probability: Baye's theorem and theoretical probability distribution.
July	<u>Section A</u> 11.Integrals: Indefinite Integrals Term I Exam
August	12.Definite integrals: properties of definite Integrals 13.Differntial Equations <u>Section C</u> 1.Application of calculus in commerce and economics
September	<u>Section B</u> 1.Vectors 2.Coordinate geometry in 3 dimensions 3.Straight lines 4.Planes 5.Application of integrals Term II Exam
October	Revision

November	Revision
	Board Practical Exams
December	Model Exam
January	Pre board Exam

PROJECTS

Section A:

Explain the conditional probability, the theorem of total probability and the concept of Baye's theorem with suitable examples.

Section B:

Find the area bounded by a circle and a parabola

Section C:

Using any suitable data, find the optimum cost/profit in the manufacturing problem by formulating a linear programming problem.

Carmel Academy year plan 2026-2027		
ISC2		Subject: Computer Science
Month	Ch.No.	Chapter Name
March	1	Boolean Algebra
April	2	Computer Hardware
June	13	Data Structures
	3	Implementation of algorithms to solve problems
	4	Objects and classes
July	5	Datatypes and variables
	11	Recursion
	6	Statements and scope
August		Revision
September	12	Inheritance, interface and polymorphism
	7	String Manipulation
	8	Arrays
October	9	Methods
	10	Class as user defined and constructors
	14	Computational Complexity and Big O Notation
November		Practicals
December		Model
January		Preboard

Computer Applications(PROJECT)

1. A project file of 25 programs