



## **Year Plan (2025-26)**

**ISC Section**  
**Gr. 11& 12**

**CARMEL ACADEMY, CHALAKUDY**  
**YEAR PLAN – 2025-26**

**ENGLISH I**

**GRADE 11**

**June**

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**

<b>Month</b>	<b>Chapter Numbers &amp; Name</b>
June	Short Story – A Living God Advice to Youth Poem – Abhisara: The Tryst
July	Short Story – The Paper Menagerie Poem – Sonnet 116 – William Shakespeare Drama: Macbeth Act I
August	Short Story – The Great Automatic Grammatiztor Poem – Death of a Natural Drama Drama: Macbeth Act I
September	Short Story – Thank You, ma'am Poem – Strange Meeting Drama – Macbeth Act I
October	Drama – Macbeth Act II
November	Drama – Macbeth Act II

# CARMEL ACADEMY CHALAKUDY

## YEAR PLAN 2025 - 26

GRADE: XI

SUBJECT: PHYSICS

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

October	<p><b>Unit 7: <u>PROPERTIES OF MATTER</u> (cont.d)</b></p> <p>15. Flow of Liquids 16. Surface Tension</p> <p><b>Unit 8: <u>HEAT AND THERMODYNAMICS</u></b></p> <p>17. Thermal Properties of Matter 18. Heat Transfer 19. Thermodynamics 20. Isothermal and Adiabatic Process 21. Heat Engine : Second Law of Thermodynamics</p>
November	<p><b>Unit 9: <u>BEHAVIOUR OF PERFECT GAS AND KINETIC THEORY OF GASES</u></b></p> <p>22. Behaviour of perfect gas and kinetic theory of gases</p> <p><b>Unit 10: <u>OSCILLATIONS AND WAVES</u></b></p> <p>23. Simple Harmonic Motion 24. Free and Damped Oscillations 25. Waves 26. Wave Motion 27. Superposition of Waves-1: Interference and Beats</p>
December	<p><b>Term II Exam</b></p> <p><b>Unit 10: <u>OSCILLATIONS AND WAVES</u></b></p> <p>28. Superposition of Waves-2: Stationary (Standing) Waves: Vibration of Air Columns 29. Vibrations of stretched strings</p>
January	<b>Term III Exam</b>



**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-12 Organic Chemistry; Some basic principles and techniques Practical work: Salt analysis	Term 1
September	L-6 Chemical Thermodynamics Practical work: Volumetric analysis	
October	L-7 Equilibrium Practical work: Volumetric analysis	
November	13 Hydrocarbons Practical work: Volumetric analysis	
December	L-8 Redox reactions Practical work: Salt analysis	Term 2
January	Revision	Model Exam
February	Revision	Annual Exam

**GRADE: XI****BIOLOGY**

MONTH	CHAPTERS
June	Unit 1 Diversity of Living Organisms Chapter 1 – The Living World Chapter 2 – Kingdom Monera, Protista and Fungi Chapter 3 – Kingdom Plantae Chapter 4 – Kingdom Animalia Unit 2 Structural Organization in Plants and Animals Chapter 5 –A. Morphology Of Flowering Plants B. Morphology of Flower
July	Chapter 6– Anatomy Of Flowering Plants Chapter 7 – Structural Organization in Animals – Frog Unit 3 Cell: Structure and Function Chapter 8 – Cell The Unit of Life Chapter 10 – Cell Cycle and Cell Division Unit 5 – Animal Physiology Chapter 17 – Breathing And Exchange of Gases
August	<b>REVISION FIRST TERM EXAMINATION</b>
September	Chapter 18 – Body Fluids and Circulation Chapter 19 – Excretory Products and Their Elimination Chapter 20 – Locomotion And Movement Chapter 21 – Neural Control and Coordination
October	Chapter 22 – Chemical Coordination and Integration. Chapter 9 - Biomolecules Unit 4 – Plant Physiology
November	Chapter 13 – Photosynthesis In Higher Plants Chapter 14 – Respiration In Plants Chapter 15 – Plant Growth And Development
December	<b>REVISION SECOND TERM EXAMINATION</b>
January	<b>REVISION THIRD TERM EXAMINATION</b>

Project: Any Science related topic.

Practical record: Plant life and Animal life

Carmel Academy year plan 2025-2026		
<b>ISC1</b>		<b>Subject:Computer Science</b>
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	Implementaion of algorithms to solve problems
December		Revision
January		Revision

Month	Chapter Numbers & Name
<b>March</b>	<p><b><u>Unit 1</u></b>  <b>A Simple, Compound and Complex Sentences</b>  <b>B Directed writing-I and Proposal Writing</b>  <b>C Phrasal Verbs</b>  <b>D Specimen Paper 1 (Solved)</b></p> <p><b><u>Unit 2</u></b>  <b>A Transformation of Sentences (1)</b>  <b>B Creative Writing</b>  <b>C Phrasal Verbs</b>  <b>D Specimen Paper 2</b></p> <p><b><u>Unit 3</u></b>  <b>A Agreement of Subject and Verb</b>  <b>B Atmosphere in Creating Writing</b>  <b>C Phrasal Verbs</b>  <b>D Specimen Paper 3</b></p>
<b>April</b>	<p><b><u>Unit 4</u></b>  <b>A Tenses and Their Use (1)</b>  <b>B Composition - Organisation</b>  <b>C Phrasal Verbs</b>  <b>D Specimen Paper 4</b></p> <p><b><u>Unit 5</u></b>  <b>A Tenses and Their Use (2)</b>  <b>B Short Stories</b>  <b>C Phrasal Verbs</b>  <b>D Specimen Paper 5</b></p> <p><b><u>Unit 6</u></b>  <b>A Active and Passive Voice</b>  <b>B Directed Writing-II</b></p>
<b>May</b>	<p><b><u>Unit 6</u></b>  <b>C Phrasal Verbs</b>  <b>D Specimen Paper 6</b></p>

June	<p><b><u>Unit 7</u></b></p> <p>A Sequences of Tenses          B Description of Characters          C Phrasal Verbs          D Specimen Paper 7</p> <p><b><u>Unit 8</u></b></p> <p>A Conditional Sentences (1)          B Directed Writing- III          C Phrasal Verbs          D Specimen Paper 8</p> <p><b><u>Unit 9</u></b></p> <p>A Conditional Sentences (2)          B Characterisation          C Phrasal Verbs          D Specimen Paper 9</p>
July	<p><b><u>Unit 10</u></b></p> <p>A Direct and Indirect Speech          B Narrative Composition          C Homophones          D Specimen Paper 10</p>
August	<p><b><u>Unit 11</u></b></p> <p>A Transformations of Sentences (2)          B Argumentative Composition          C Homophones          D Specimen Paper 11</p> <p><b><u>Unit 12</u></b></p> <p>A Use of Adjectives          B Descriptive Composition          C Correct Use of Words          D Specimen Paper 12</p> <p><b><u>Unit 13</u></b></p> <p>A Use of Since and For          B Comprehension Skills</p>

	<b>C Correct Use of Words</b> <b>D Specimen Paper 13</b>
<b>September</b>	<u><b>Unit 14</b></u> <b>A Use of Multiple Prepositions (1)</b> <b>B Note Making and Summary</b> <b>C Correct Use of Words</b> <b>D Specimen Paper 14</b>
<b>October</b>	<u><b>Unit 15</b></u> <b>A Use of Multiple Prepositions (2)</b> <b>B Elements to Omit in Summary</b> <b>D Specimen Paper 15</b>

## English II

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

Month	Chapter Numbers & Name
March	<p style="text-align: center;"><b><u>OPTICS</u></b></p> <p>14 Reflection of light: Spherical Mirrors  15 Refraction of light at a plane interface: total internal reflection: optical fiber  16 Refraction of light at spherical surfaces: Lenses  17 Refraction and dispersion of light through a prism  18 Optical instruments</p> <p>19 Wave nature of light: Huygens' Principle  20 Interference of Light  21 Diffraction of light</p>
April	<p style="text-align: center;"><b><u>CURRENT ELECTRICITY</u></b></p> <p>5 Electric Resistance and Ohm's law  6 DC Circuits and Measurements</p> <p style="text-align: center;"><b><u>DUAL NATURE OF MATTER AND RADIATION</u></b></p> <p>23 Photoelectric effect  24 Matter waves</p>
June	<p style="text-align: center;"><b><u>ELECTROSTATICS</u></b></p> <p>1 Electric Charges and Fields  2 Gauss' Theorem  3:Electric Potential  4 Capacitors and Dielectrics</p>
July	<p style="text-align: center;"><b><u>MAGNETIC EFFECTS OF CURRENT AND MAGNETISM</u></b></p> <p>7 Moving charges and magnetic field  8 Torque on a current loop: Moving coil galvanometer.  10 Magnetic classification of substances</p> <p style="text-align: center;"><b><u>ELECTROMAGNETIC INDUCTION AND ALTERNATING CURRENTS</u></b></p> <p>11 Electromagnetic induction  12 Alternating Current</p>



<b>August</b>	<p align="center"><b><u>ATOMS AND NUCLEI</u></b></p> <p>26 Atom, Origin of Spectra : Bohr's Theory of Hydrogen Atom</p> <p>27 Nuclear structure</p> <p>29 Mass – Energy Equivalence : Nuclear Binding Energy</p> <p>30 Nuclear Fission and Nuclear Fusion : Sources of energy</p> <p><b>Term I Exam</b></p>
<b>September</b>	<p align="center"><b><u>ELECTROMAGNETIC WAVES</u></b></p> <p>13 Electromagnetic waves</p> <p align="center"><b><u>ELECTRONIC DEVICES</u></b></p> <p>31 Semiconductor Electronics</p> <p>32 Junction Diodes</p> <p><b>Model I Exam</b></p>
<b>October</b>	Revision
<b>November</b>	<b>Board Practical</b>
<b>December</b>	<b>Model II Exam</b>
<b>January</b>	<b>Pre board Exam</b>

### **PROJECTS**

- 1. Factors affecting the internal resistance of a cell.**
- 2. Charging and discharging of capacitor**
- 3. To make a full wave rectifier**
- 4. To assemble a compound microscope and to study its magnifying power**
- 5. Study of Optic fibers**

**Grade XII****Subject : Chemistry**

Month	Lesson numbers, name & Practical work	Term exam
March	L-10 Haloalkanes and Haloarenes L-11 Alcohols, Phenols and Ethers Practical work: Qualitative analysis	
April	L-2 Solutions L-3 Electrochemistry  Practical work: Volumetric analysis	
June	L-12 Aldehydes, Ketones and Carboxylic Acids Practical work : Volumetric analysis	First Mid Term Project Submission
July	L-4 Chemical Kinetics L- 8d -and f -Block Elements Practical work: Qualitative analysis	
August	L-13 Organic Compounds containing Nitrogen Practical work: Qualitative analysis	Term 1
September	L-9 Coordination Compounds Practical work: Organic salt analysis- Identification of functional groups i) Characteristic tests of carbohydrates and proteins	
October	L-14 Biomolecules	Term 2
November	Revision	Practical exam
December	Revision	Model Exam
January	Revision	Pre board
February	Annual exam	

**GRADE: ISC II**  
**SUBJECT: BIOLOGY**

<b>MONTH</b>	<b>CHAPTER</b>
March	Human reproduction Reproductive Health
April	Sexual reproduction in flowering plants Human health and diseases
June	Principles of inheritance and variation Molecular basis of inheritance Evolution
July	<b>Term I</b>
August	Biotechnology - Principles and processes Biotechnology – Applications Microbes in human welfare
September	<b>Term II</b>
October	Ecosystem Biodiversity and conservation Organism and population
November	Revision

Month	Chapter Numbers & Name
March	<u><b>Section C</b></u> 2.Linear Regression 3.Linear programming <u><b>Section A</b></u> 3.Matrices: Types and operations on Matrices 4.Determinants 5.Matrices:Adjoint and Inverse of a square matrix
April	<u><b>Section A</b></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><b>Section A</b></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><b>Section A</b></u> 11.Integrals: Indefinite Integrals <b>Term I Exam</b>
August	12.Definite integrals: properties of definite Integrals 13.Differntial Equations <u><b>Section C</b></u> 1.Application of calculus in commerce and economics
September	<u><b>Section B</b></u> 1.Vectors 2.Coordinate geometry in 3 dimensions 3.Straight lines 4.Planes 5.Application of integrals  <b>Term II Exam</b>
October	Revision

<b>November</b>	Revision
	<b>Board Practical Exams</b>
<b>December</b>	<b>Model Exam</b>
<b>January</b>	<b>Pre board Exam</b>

## **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.

<b>Carmel Academy year plan 2025-2026</b>		
ISC2		<b>Subject:Computer Science</b>
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

