

# Preface

This booklet contains the proposed syllabus for different subjects in respective classes. It may be noted that in actual classroom teaching, there may be minor changes in the same. In case of a major deviation from the proposed plan, the concerned teacher shall communicate in writing to students in advance.

The project evaluation rubric mentioning the parameters and their corresponding weightages will be given to the students along with the project statement.

**Subject: English Language Paper I**  
**Book:- Total English**

<b>Month</b>	<b>Ch No and Name</b>	<b>Activities</b>	<b>W/S, Assignments</b>
JUN	Directed Writing -I (Article, Book & Film Review, Proposal) , Simple Compound Complex, Phrasal Verbs; Transformation of Sentences-1	Formats, guidelines and writing practice	Practice Paper-2, Grammar Assignments
JUL	Creative Writing, Phrasal Verbs; Atmosphere in Creative writing, Phrasal Verbs	Guidelines on Craetive Writing and writing practice	Practice Paper-3, Grammar Assignments
AUG	Uses of Tenses1&2, Comprehension- Organisation Short Stories, Phrasal Verbs	Grammar Assignments	Practice Paper-4, Grammar Assignments
SEP	Active and Passive Voice, Directed Writing II (Cultural Programme Report and Speech Writing), Phrasal Verbs	Formats, Writing practice & Assignments based	Writing practice of Report & Practice Paper-5
OCT	Sequence of Tenses, Description of Characters, Phrasal Verbs; Conditional Sentences, Directed Writing-III - Reports, : Personal Profile and Statement of Purpose	Discussion on Characterisation, Grammar assignments	Practice Paper-7, Grammar Assignments

NOV	U-9&10 Conditionals, Characterisation, Phrasal Verbs, Direct and Indirect Speech, Narrative Composition, Homophones,	Guidelines on Characterisation, Assignments based on U-9&10	Parctice Paper-9
DEC	Tranasformation-2, Argumentative Composition, Homophones; Descriptive Composition, Comprehension Skills	Guidelines on Argumentative and descriptive composition, Assignments	Practice Paper-12, Grammar Assignments
JAN	Note and Summary , Use of multiple Prepositions	Grammar Assignments	Grammar Assignments Practice Paper-13
FEB	Revision		

**Subject: English Literature Paper II****Book:- The Tempest, Echoes, Reverie**

Month	Ch No and Name	Activities	W/S,Assign/Project
JUN	ECHOES: Salvatore; REVERIE: The Gift of India;THE TEMPEST Plot, Themes, Title of the Play, Important Characters, Act I - Scene-1	Discussion on Salvatore; Critical analysis of The Gift of India; Paraphrasing of Act-I Scene-1	Extract based question- answers from drama; long answers based on the story, poem and drama
JUL	ECHOES: Fritz; THE TEMPEST- Act-I Scene -2	Discussion on Fritz; Paraphrasing Act-II-Scene-2	Extract based answers on Tempest; long answers on Fritz and Tempest
AUG	ECHOES: Quality, REVERIE: Desiderata & John Brown;The Tempest - Act-II Scene -1	Discussion on Quality, Desiderata and John Brown	Long answers form story and poems and extract based answers form Tempest
SEP	REVERIE: The Spider and the Fly	Critical Analysis of The Spider and the Fly	Long Answer form the poem
OCT	THE TEMPEST- Act-II Scene -2, ECHOES: A Gorrilla in the Guest Room	Discussion on the roles of Caliban, Stefano, and Trinculo in the play; comparison between N'Pongo and Nandy and the theme of the story.	Extract based answers form Tempest and long answers form the story
NOV	THE TEMPEST - Act-III Scene -1	Discussion on Prospero as the absolute ruler of his small island	Revision for UT-II

**Subject: English Literature Paper II**

DEC	THE TEMPEST - Act-III Scene - 2: REVERIE: Dolphins	Paraphrasing of Act-III Scene-2, Critical Analysis of Dolphins	Long answers form poem and extract based answers form Tempest
JAN	THE TEMPEST - Act-III Scene - 3 ECHOES:The Chinese Statue	Paraphrasing of Act-III Scene-3 and Discussion on the Chinese Statue	Writing extract based answers on Act-III- Scene-3 & long answers on 'The Chenese Statue'
FEB		Revision	

**Subject: ELECTIVE ENGLISH**

Books:- Lord of the Flies, Cat on a Hot Tin Roof, Nineteenth and Twentieth Century Verse

Month	Ch No and Name	Activities	W/S,Assign/ Project
JUN	LORD OF THE FLIES: Introduction,Ch-1,2,3; Poems by William Wordsworth: Nutting, Lucy Poems, Upon Westminster Bridge and Independence	History and development of English Literature; Short Introduction of William Golding, main characters in the novel, movie trailer; Introduction to William Wordsworth and paraphrasing of the poems and critical analysis.	PPT on Characters, Long answer questions from novel & Wordsworth's Poems
JUL	LORD OF THE FLIES: Ch- 4,5,6	Discussion of the main incidents & Quiz	Chapterwise summary and Long answer questions
AUG	LORD OF THE FLIES: Ch-7,8,9; Poems by Robert Browning: A Light Woman, Porphyria Lover, My Last Dunes, A Woman's Last Word, Two in the Campagna	Discussion of the main incidents; paraphrasing of the poems and Critical analysis	Long answer question based on novel and poems of Robert Browning
SEP	LORD OF THE FLIES: Ch-10,11,12	Discussion of the main incidents & summary of the chapters	Long answer question based on novel
OCT	CAT ON A HOT TIN ROOF- Introduction, Act-I; William Blake; The Lamb, The Chimney Sweeper, Nurse's Song, On Another's Sorrow, The Tiger and London	Discussion on Tennessee Williams as a playwright and main incidents of Act I; Introduction to William Blake, analysis of his poems	Long answer questions based on drama and poems of William Blake
NOV	CAT ON A HOT TIN ROOF-Act-II	Discussion on main incidents of Act-II	Long Answers based on Act-II

**Subject: ELECTIVE ENGLISH**

DEC	CAT ON A HOT TIN ROOF-Act-III & IV; John Keats- On First Looking into Chapman's Homer, On the Sea, La Belle Dame Sans Merci, Ode to Nightingale, To Autumn & Last Sonnet	Discussion on main incidents of Act-III, Introduction to John Keats, analysis of his poems	Long answer questions of Keats' Poems
JAN	Gerard Manley Hopkins- God's Grandeur, Spring, Hurrahing in Harvest, Binsey Poplars & No worst, there is none	Introduction to Gerard Manley Hopkins, analysis of his poems	Critical analysis of Hopkin's poems and long answers based on the poems
FEB	Revision		

**Subject: Mathematics****BOOK - S. Chand (ISC Mathematics )**

Month	Topic	worksheet/ Project	Class Test
JUN	L-1 Sets L-10 Quadratic Equations L-11 Inequalities	W/S	Class Test
JUL	L-2 Relations and Functions L-3 Angles and Arc Lengths L-4 Trigonometric Functions L-5 Compound and Multiple Angles	W/S	Class Test
AUG	L-6 Trigonometric Equations L-7 Properties Of Triangles L-9 Complex Numbers L-8 Principal Of Mathematical Induction	W/S	Class Test
SEP	L-12 Permutation and Combinations L-22 Probability	W/S	Class Test
OCT	L-18 Limits L-19 Differentiation L-16 The Straight Line L-15 Basic Concepts of points and their co ordinates	W/S	Class Test
NOV	L-14 Sequences and series L-13 Binomial Theorem L-20 Measurements of central tendency	W/S	Class Test
DEC	L-21 Measures of Dispersion L-17 The Circle	W/S	Class Test
JAN	L-23 Parabola L-24 Ellipse L-25 Hyperbola L-26 Points and their co ordinates in 3D L-27 Mathematical Reasoning L-28 Statistics L-29 Correlation Analysis L-30 Index Numbers L-31 Moving Averages	W/S	Class Test

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### Subject:- Physics

Book :- ISC Physics by Kumar & Mittal Nageen Prakashan

Month	Unit & Ch no.	Experiment / /Project	Worksheets
JUN	Ch1 Physical World Ch2 Units & Measurements Ch3 Dimensional Analysis Ch4 Motion in a straight line Ch5 Motion in a plane	Practical 1: Vernier Calipers Practical 2: Micrometer Screw Gauge	W/S-1: Ch2, 3 W/S-2: Ch4, 5
JUL	Revision Ch5 Motion in a plane (Contd) Ch6 Newton's laws of motion Ch7 Friction Ch8 Uniform Circular Motion	Practical 3: Spherometer	W/S-3: Ch6, 7
AUG	Ch8 Uniform Circular Motion (Contd) Ch9 Work, Energy and Power Ch10 Center of Mass Ch11 Rotational Motion Ch12 Gravitation Ch13 Elasticity	Practical 4: Law of Pallelogram of Vector Addition Practical 5: Simple Pendulum	W/S-4: Ch11,12
SEP	Revision Ch13 Elasticity (Contd) Ch14 Fluid Pressure		

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OCT	<p>Ch14 Fluid Pressure (Contd)                      Ch15 Flow of Liquids                      Ch16 Surface Tension                      Ch23 Simple Harmonic Motion</p>	<p>Practical 6: Force constant of a spring                      Practical 7: Inclined Plane</p>	<p>W/S-5: Ch14-16</p>
NOV	<p>Ch23 Simple Harmonic Motion (Contd)                      Ch24 Free, Damped and Forced Oscillations                      Ch25 Waves                      Ch26 Wave Motion</p>	<p>Practical 8: Resonance in an air column</p>	<p>W/S-6: Ch23-30</p>
DEC	<p>Ch26 Wave Motion (Contd)                      Ch27 Superposition of Waves-1                      Ch28 Superposition of Waves-2                      Ch29 Vibrations of Stretched Strings</p>	<p>Practical 9: Determination of frequency of tuning fork using sonometer</p>	
JAN	<p>Ch29 Vibrations of Stretched Strings (Contd)                      Ch30 Doppler Effect                      Ch17 Thermal Properties of Matter                      Ch18 Heat Transfer                      Ch19 Thermodynamics                      Ch 20 Isothermal and Adiabatic Processes                      Ch21 Heat Engine                      Ch22</p>		<p>W/S-7: Ch17-21</p>

**Subject: Chemistry****BOOK - NOOTAN ISC CHEMISTRY (Dr.H.C.Srivastava)**

<b>MONTH</b>	<b>Chapter</b>	<b>Activity/ Project</b>	<b>Assignment/ Worksheet</b>
<b>JUN</b>	1. Some Basic Concept Of Chemistry: Dalton s Theory, Laws Of Chemical combination, mole concept , Chemical reaction. 2. Structure of Atom : Thomson's Model, Rutherford's , Bohr's model, Quantum numbers. 3. Classification of Elements and Periodic Properties: Modern Periodic Law , Periodic Properties.	Practical practice	Worksheet
<b>JUL</b>		Practical practice	
<b>AUG</b>	12. Organic Chemistry Some Basic Principles and techniques: IUPAC nomenclature, Isomerism, Analysis of organic compounds, Types of chemical reaction mechanism. 4. Chemical Bonding and molecular structure: Electrovalent ,Covalent and Coordinate bond, VBT and MOT.	Practical practice	Worksheet
<b>SEP</b>	8. Redox Reactions: Concept of oxidation and reduction , Oxidation No. ,Balancing of redox reactions.		Worksheet
<b>OCT</b>	9. Hydrogen: Hydrogen and its compounds, hydrides, water, heavy water, hydrogen peroxide. 10. s-Block Elements: Group 1 and 2 elements, their physical and chemical properties, Study of compounds of Group I and 2.  5. States of Matter: Gases and Liquids: The Gas Laws, Numericals based on above Laws, Kinetic theory of gases ,van der Waal's equation.	Practical practice	Worksheet
<b>NOV</b>	11. Some p- Block elements: Group 13 and 14 physical and chemical properties, Important compounds of B, C and Silicon	Practical practice	Worksheet
<b>DEC</b>	7. Equilibrium: Chemical Equilibrium ,Le Chatelier' s principle,,numerical based on it,Ionic equilibrium ,Ostwalt's	Practical practice	Worksheet

**Subject: Chemistry**

	<b>dilution law, Theories of acids and bases, pH, pOH, Common ion effect, solubility products, Hydrolysis of Salt.</b> <b>13. Hydrocarbons: Aliphatic and Aromatic Hydrocarbons, Nomenclature, Preparation ,properties and Uses</b>		
<b>JAN</b>	<b>6. Chemical Thermodynamics : Types of Systems, state of the Systems, I,II and III law of thermodynamics, Numerical based on it.</b> <b>14. Environmental Chemistry.</b>	<b>Practical practice</b>	<b>Worksheet</b>

**Subject- Biology****Book - T/B- ISC Biology, Srijan**

<b>Month</b>	<b>Lesson</b>	<b>Activity/Project</b>	<b>Worksheet</b>
JUN	Ch-1 The Living World Ch-2 Biological Classification	Study of Compound Microscope Study of Plant Cell Study of Plasmolysis	Assignment
JUL	Ch-3 Plant Kingdom Ch- 4 Animal Kingdom Ch-5 Morphology of Flowering Plants Ch-6 Anatomy of Flowering Plants	Study of Osmosis Study of classification of Living Organisms	Worksheet
AUG	Ch-7 Animal Tissues, Morphology and Anatomy of Cockroach Ch- 13 Photosynthesis in Higher Plants Ch-14 Respiration in Plants Ch-15 Plant Growth and Development Ch-11 Transport in Plants Ch-12 Mineral Nutrition in Plants	Study of Animal Classification Chromatography Study of effect of CO <sub>2</sub> on Photosynthesis Preparation of temporary slide of Mucor	Assignment
SEP	Ch-8 Cell: The Unit of Life Ch-9 Biomolecules	Study of stages of Mitosis Study of permeability of cell membrane	Assignment
OCT	Ch-10 Cell Cycle and Cell Division Ch-16 Digestion and Absorption Ch-17 Breathing and Exchange of Gases	T.S. of Monocot and Dicot Stem Food Test T.S. of Monocot and Dicot Root	Project
NOV	Ch-18 Body Fluids and Circulation Ch-19 Excretory Products and their Elimination	Study of Experimental Set-up	Worksheet

**Subject- Biology**

DEC	Ch-20 Locomotion and Movement Ch-21 Neural Control and Coordination	Study of Morphology and Modification of Roots, Stems and Leaves	Project
JAN	Ch-22 Chemical Coordination and Integration	Revision	Revision
FEB	Revision	Revision	Revision

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### Subject:- Computer Science

#### Book:- Computer Science with Java

Month	Ch No and Name	Activity	W/S / Assign / Project
JUN	Ch-8 General OOP concepts Ch-9 Introducing Java Ch -12 Classes in Java	Practical	Class Test
JULY	Ch-11 Flow of control Ch-13 Functions (Methods)	Practical	Class Test
AUG	Ch-15 Arrays Ch-1 Data Representation	Practical	Assign
SEP	Ch-1 Data Representation (cont.) Ch-2 Computer Structure	Practical	Class Test
OCT	Ch-4 Propositional Logic and Hardware Algorithms	Practical	Class Test
NOV	Ch-14 Using Library Classes Recursion	Practical	Assign
DEC	Ch-16 Operations on Files Ch-19 Computing and Ethics	Practical	Class Test
JAN	Revision		

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### Subject:- Economics

### Book:- Frank ISC Economics

Month	Topic	Activity/ Projects	Class Test / Worksheets
JUN	L-1 Definition of economics, L-2 Basic concepts of economics	Visit	Practice worksheets
JUL	L-3 Basic problems of an economy, L-4 Types of economies, L-5 Solutions to basic problems under different economies, L-6 State of Indian economy	Project-1 Introduced	Class Test, Practice worksheet
AUG	L-7 Economic growth and development, L-8 Parameters of development, L-9 Sustainable development, L-10 Planning and economic development	Project work to be continued, Visit	Class Test, Practice worksheet
SEP	L-11 Structural changes in Indian economy, L-12 Problem of poverty, L-13 Profile of Indian agriculture	Project 1 to be submitted, Visit	Class Test, Practice worksheet
OCT	L-14 Human capital, L-15 Employment and unemployment, L-16 Study of Chinese economies	Project 2	Class Test, Practice worksheet
NOV	L-17 Introduction to statistics, L-18 Collection of data, L-19 Measures of central value	Project work to be continued	Class Test, Practice worksheet
DEC	L-20 Measures of dispersion, L-21 Correlation	Submission of project-2	Class Test, Practice worksheet
JAN	L-22 Index Numbers, L-23 Some mathematical tools		
FEB	Revision		

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### Subject:- PE

#### Book:- ISC Physical Education - Kalyani

Month	Chapter No & Name	Activities
JUN	Ch-1 CONCEPT OF PHYSICAL EDUCATION <ul style="list-style-type: none"><li>- Meaning of physical education</li><li>- Aim &amp; objective</li><li>- Need and importance</li><li>- Meaning of play &amp; recreation</li><li>- Games &amp;</li></ul>	Practical's of volley ball rules and techniques and push ups
JUL	Ch-2 INDIVIDUAL EXPECT & GROUP DYNAMICS <ul style="list-style-type: none"><li>- Types of interest</li><li>- Meaning of motivation</li><li>- Method of motivation</li></ul>	Practical of football
AUG	CH-3 EFFECTS OF PHYSICAL EXERCISE ON HUMAN BODY <ul style="list-style-type: none"><li>- Skeleton and muscular system</li><li>- Respiratory system</li><li>- Circulatory system</li><li>- Digestive</li></ul>	Practical of badminton rules & techniques & 50 meter race
SEP	CH-4 NUTRITION,WEIGHT CONTROL & EXERCISE <ul style="list-style-type: none"><li>- Nutrition basics</li><li>- Balance diet</li><li>- Roll of balance diet</li><li>- Obesity and</li></ul>	Practical of basket ball techniques

**Subject:- PE**

OCT	CH-5 PHYSICAL FITNESS & WELLNESS <ul style="list-style-type: none"> <li>- Meaning an importance</li> <li>- Component of physical fitness &amp; wellness</li> <li>- Factors effecting physical fitness &amp; wellness</li> <li>- Tests &amp; measurement in</li> </ul>	Practical of cricket & broad jump
Nov	CH-6 GAMES & SPORTS A GLOBLE PROSPECTIVE <ul style="list-style-type: none"> <li>- Olympic as social force</li> <li>- Moto of Olympic games</li> </ul>	Practical of 1 km running
Dec	REVISION OF CH- 1,2 & 3	Practical of shuttle running
Jan	REVISION OF CH- 4,5 & 6	Practical of sit ups
Feb	FINAL PACTICE OF ALL PRACTICAL	

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### Subject:- Accountancy

Book : - APC ISC Accountancy

Month	Topic	Activity/ Projects	Class Test / Worksheets
JUN	L-1 Basic Accounting Terms, L-2 Accounting Equations, L-3 Meaning & Objectives of Accounting	Guidence regarding project	Class Test
JUL	L-4 Double Entry System, L-5 Journal	Project work to be started by students	Class Test
AUG	L-6 GST, L-7 Cash Book, L-8 Subsidiary Books, L-14, 16 GAAP, IFRS, L-9 Ledger	Project work to be continued	Class Test
SEP	L-10 Trial Balance, L-11 Bank Reconciliation Statement	Project work to be continued	Class Test
OCT	L-12 Depreciation, L-13 Bills of Exchange L-15 ,Bases of Accounting, L-17 Capital & Revenue	Project work to be continued	Class Test
NOV	L-18 Provisions & Reserves, L-19 Final Accounts (Intro)	Project work to be Completed	Class Test
DEC	L-20 Final Accounts with Adjustment, L-21 Errors & Rectification, L-24,25 Computerised Accounting System	Submission of final projects after corrections	Class Test
JAN	L-22 Single Entry system, L-23 Not for profit Organisations		Class Test
FEB	Revision		

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### Subject:- Commerce

Book : - S. Chand's ISC Commerce Vol-I

Month	Topic	Activities	W/S, Assign/ Project
JUN	Ch-1 Classification of human activities, Ch-2 Nature and objective of business Ch-3 Classification of Business	Projects Visit	Class Test
JUL	Ch-3 Classification of business activities cont, Ch-4 Introduction to business organisation, Ch-5 Sole trader, Ch-6 Partnership		Worksheet Class Test
AUG	, Ch-7 Joint stock company, Ch-8 Types of companies, Ch-11 Cooperative Org		Worksheet
SEP	Ch-9 Formation of company, Ch- 10 Public enterprise		Class Test
OCT	Ch-10 public enterprise cont, Ch- 12 social responsibility of business , Ch-13 E- business	Visit	Worksheet Class Test
NOV	Ch-15 Whole sale Trade, Ch-16 Retail Trade Ch-17 procedure and documents used in home Trade		Worksheet Class Test
DEC	Ch- 19 Nature and scope of foreign trade , Ch-22 WTO, Ch-14 Stock exchange, Ch-18 Chamber of commerce		Projects submission
JAN	Ch- 20 Import trade , Ch-21 Export trade, Ch-23 Business risk and insurance, Ch-24 Types of insurance		Worksheet
FEB	Revision and doubt solving		Revision

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### Subject:- Art

Month	Topic
JUN	Basics of drawing : Pencil shading/ color composition
JUL	Still life: Still Life Drawing from Group of object/ Drawing for lin o cut
AUG	Still life: Still Life Drawing from Group of object
SEP	Relief Printing: Black & White lino printing
OCT	Nature : Any Fruit Or Plant
NOV	Still life: Still Life Drawing from Group of object
DEC	Nature : Any Fruit Or Plant
JAN	Still life: Still Life Drawing from Group of object
FEB	Revision & Annual Examination

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Subject:- Psychology

Month	Topic	Assignment
JUN	<b>THE SUBJECT PSYCHOLOGY</b> Definition of Psychology, Schools of thought, Fields of Psychology, Heredity and Environment	All the units will be followed by an assignment
JUL	<b>METHODS OF PSYCHOLOGY</b> Scientific methods in Psychology, Psychological tests and its uses, Statistical concepts <b><u>REVISION FOR UNIT TEST - I</u></b>	
AUG	<b>ATTENTION AND PERCEPTION</b> Nature of Attention and its determinants, Perceptual Processes, Errors in Perception	
SEP	<b><u>REVISION FOR MID TERM EXAMINATION</u></b>	
	<b>EMOTIONS AND MOTIVATION</b> What is Motivation, Theories of Motivation, Social motives, What is Emotion, Theories of Emotion	
OCT	<b>LEARNING</b> Definition of Learning, How learning take place, Learning disabilities - definition and types	
	<b>REMEMBERING AND FORGETTING</b> What is Memory, Different memory systems, Why and how forgetting occurs, How memory can be improved	
NOV	<b><u>REVISION FOR UNIT TEST - II</u> INTRODUCTION TO EXPERIMENTAL PSYCHOLOGY</b>	
DEC	Practical No. 1 Practical No. 2	
JAN	<b>THINKING, PROBLEM SOLVING AND CREATIVITY</b> What is Thinking, Concepts and how they are formed, Reasoning, Creative thinking	



