

**St. Paul's School**  
**Syllabus for the Academic Session 2022–23**  
**Class: XII**

**Sociology**

**Books; Indian Society .11**

**Social change and development in India**

<b>Months</b>	<b>Chapters</b>	<b>Project/ Activity</b>
March- April BOOK I Indian Society	Chapter 2 The demographic Structure of Indian Society. Chapter 3 Social Institutions: Continuity and Change. [To be Continued]	The basic parameters of the project given to the students.
May	Chapter 3:..Social Institutions: Continuity and Change.[ To be completed]	1 Allocation of Project topics Writing of the Rationale for the project 2 Preparing the Questionnaire for the project.
<b>May ; Cycle Test</b>	<b>Chapter 2</b>	
July	Chapter 5 : Patterns of Social inequality and Exclusion. Chapter 6 : the Challenges of cultural Diversity	Writing of the content for the sub- topics of the project.
August BOOK II: Social Change and Development in India	Chapter 1 ;Structural Change Chapter 2 : Cultural Change	Data analysis for the project to be completed. <b>First Terminal Project viva</b>
September	<b>First Terminal examination</b> <b>Syllabus : Chapters taught covered from March to August</b>	
October	Chapter 4: The Change and Development in the rural Society. Chapter 5: The change and development in industrial society.	Final Project Completion Data interpretation and conclusion.

November	Chapter 8 . Social Movements	<b>Pre Board Project Viva</b>
December	Second terminals ; Selected chapters	
January	Pre- Board Examination.	
February	Board – Practicals	
March	Board Examination	

## Accountancy

### BOOKS:

1. Accounting for Not-for-Profit Organisations and Partnership Firms.
2. Accounting for Companies
3. Analysis of Financial Statement

<b>Months</b>	<b>Chapters</b>
April- May	Chapter-1 Financial Statement of a Company  Chapter -4 Accounting Ratios  Chapter -3 Nature and Valuation of Goodwill  Chapter-2 Fundamentals of Partnership (Accounting for Not for Profit Organization and Partnership)
PERIODIC TEST	Chapter-1 Financial Statement of a Company  Chapter-3 Nature and Valuation of Goodwill  Chapter -4 Accounting Ratios
July-August	BOOK –Accounting for Not for Profit Organisation and Partnership  Chapter -2 Accounting for Partnership Firms Fundamentals  Chapter-4 Change in Profit Sharing Ratio  Chapter-5 Admission of a Partner

	Chapter -6 Retirement and Death of a Partner Chapter-7 Dissolution of Partnership
Periodic Test	<u>Volume (III) Analysis of Financial Statement</u> Chapter-1 Financial Statement of a Company Chapter -4 Accounting Ratios <u>Volume (I) Partnership Accounts</u> Chapter -2 Accounting for Partnership Firms Fundamentals Chapter -5 Admission of Partner
September	Chapter -8 Dissolution of Partner
Term 1 EXAM	Full Book- Analysis of Financial Statement Full Book –Accounting for Not for Profit Organisation and Partnership
Oct-Nov	Volume (II) Chapter -1 Issue of shares Chapter -2 Issue of Debentures
Periodic Test	Chapter -1 Issue of Shares Chapter-2 Issue of Debentures
December	Revision
January	Sample Paper Practice
Note:	Changes can be made as per the Calendar (Diary) or the number of working days.

# Mathematics

Books: Mathematics Textbook I and II

Months	Chapters	Activity/ Projects/Grammar
March	1. Relations and functions 2. Inverse trigonometric functions	Assignment on Relations and Functions and Inverse Trigonometric functions
April	5. Continuity and Differentiability 6. Application of Derivatives	Assignment on Continuity
Period Test I - Syllabus: chapters 1, 2		
May	Application of Derivatives (continued)	Mathematical Lab Activities Class test on Application of Derivatives
Holiday Homework – Any 8 Mathematical Lab Activities		
Period Test 2 - Syllabus: chapters 5, 6		
July	7. Integration 8. Application of Integration	Assignment on Integration. Class test on Integration
August	9. Differential Equation 10. Vectors 11. Three-Dimensional Geometry	Assignment on Vectors and Three-Dimensional Geometry
September	11. Three-Dimensional Geometry (continued)	
Term 1 Syllabus: chapters 1,2,5,6,7,8		
October	12. Linear programming 13. Probability	
Period Test 3 Syllabus: chapters 10, 11		
November	1. Matrices 2. Determinants	Class test on Matrices
Term 2 Syllabus: complete syllabus		
Pre board syllabus: complete syllabus		

# Business Studies

## BOOKS:

1. **Business Studies (NCERT) (I)**
2. **Business Studies (NCERT) (II)**

Months	Chapters
April- May	<u>BOOK-Business Studies (NCERT) (I)</u> Ch1- Nature and Significance of Management Ch2- Principles of Management (Taylor Principles) <u>BOOK-Business Studies (NCERT) (II)</u> CH-11 Marketing (NCERT BOOK II)
PERIODIC TEST	<u>BOOK-Business Studies (NCERT) (I)</u> Ch2- Principles of Management (Henry Fayol and Taylor Principles) CH-11 Marketing (NCERT BOOK II)
July-August	<u>BOOK-Business Studies (NCERT) (I)</u> Ch-3-Business Environment Ch4- Planning Ch-5 Organising
Periodic Test	<u>BOOK-Business Studies (NCERT) (I)</u> Ch2-Principles of Management Ch-3-Business Environment Ch4- Planning Ch-5 Organising
September	Chapter 6-Staffing Chapter 7-Directing
Term 1 EXAM (Half Yearly exam)	<u>BOOK-Business Studies (NCERT) (I)</u> Ch1- Nature and Significance of Management Ch2- Principles of Management Ch-3-Business Environment Ch4- Planning Ch-5 Organising Ch-6 Staffing Ch-7 Directing <u>BOOK-Business Studies (NCERT) (II)</u> Ch-11 Marketing

Oct-Nov	Ch8-Controlling <u>BOOK-Business Studies (NCERT)</u> <u>(II)Ch9-Financial Management</u> Ch10-Financial Markets Ch12- Consumer Protection
Periodic Test	Ch8-Controlling
	<u>BOOK-Business Studies (NCERT)</u> <u>(II)Ch9-Financial Management</u> Ch10-Financial Markets Ch12- Consumer Protection
December	Revision
January	Sample Paper Practice
Note:	Changes can be made as per the Calendar (Diary) or the number of working days.

## PHYSICS

Term 1 Syllabus (Theory)	Term 1 (Practical)
Chapter-1: Electric Charges and Fields Chapter-2: Electrostatic Potential and Capacitance Chapter-3: Current Electricity Chapter-4: Moving Charges and Magnetism Chapter-5: Magnetism and Matter Chapter-6: Electromagnetic Induction Chapter-7: Alternating Current	<p><b><u>Experiments</u></b></p> <ol style="list-style-type: none"> <li>1) To determine resistivity of two / three wires by plotting a graph for potential difference versus current.</li> <li>2) To find resistance of a given wire / standard resistor using metre bridge.</li> <li>3) To determine resistance of a galvanometer by half-deflection method and to find its figure of merit.</li> <li>4) To determine angle of minimum deviation for a given prism by plotting a graph between angle of incidence and angle of deviation.</li> <li>5) To find the focal length of a convex lens by plotting graphs between <math>u</math> and <math>v</math> or between <math>1/u</math> and <math>1/v</math>.</li> </ol> <p><b><u>Activities</u></b></p> <ol style="list-style-type: none"> <li>1) To assemble a household circuit comprising three bulbs, three (on/off) switches, a fuse and a power source.</li> <li>2) To assemble the components of a given electrical circuit.</li> <li>3) To draw the diagram of a given open circuit comprising at least a battery, resistor/rheostat, key, ammeter and voltmeter. Mark the components that are not connected in proper order and correct the circuit and also the circuit diagram.</li> </ol>
Term 2 Syllabus (Theory)	Term 2 (Practical)
Chapter-8: Electromagnetic Waves Chapter-9: Ray Optics and Optical Instruments Chapter-10: Wave Optics Chapter-11: Dual Nature of Radiation and Matter	<p><b><u>Experiments</u></b></p> <ol style="list-style-type: none"> <li>1) To verify the laws of combination (series) of resistances using a metre bridge.</li> <li>2) To find the focal length of a convex mirror, using a convex lens.</li> </ol>

Chapter–12: Atoms Chapter–13: Nuclei Chapter–14: Semiconductor Electronics	3) To draw the I-V characteristic curve for a p-n junction diode in forward and reverse bias.  <b>Activities</b> 1) To identify a diode, an LED, a resistor and a capacitor from a mixed collection of such items. 2) To observe refraction and lateral deviation of a beam of light incident obliquely on a glass slab. 3) To observe diffraction of light due to a thin slit
---	---

## Economics

### Books: Macro Economics and Indian Economic Development

	Chapters	Activity/Project
<b>March-April</b>	<b>IED:</b> Ch1: Indian Economy on the Eve of Independence Ch2: Five Year Plans in India Ch3: Agriculture, Industry and Trade (1950-1990) <b>Macro</b> Ch: Money and Banking Ch: Government Budget and The Economy	NCERT Questions  Topics will be discussed for Practical Project  Students will be asked to collect information relevant to their topic and submit a hard copy of the same
<b>May</b>	<b>IED:</b> Ch: LPG - An Appraisal	
<b>June</b>	<b>SUMMER VACATION</b>	Project written part to be completed completely
<b>July</b>	<b>IED</b> Ch: HCF <b>Macro:</b> Ch: National Income and Related Aggregates	
<b>August</b>	<b>Macro:</b> Ch: National Income and Related Aggregates Ch: Determination of Income and Employment	Review: Students will work on presentation part and make the file
<b>September</b>	Ch: Determination of Income and Employment	Files to be submitted for correction AIL- PPT to be made based on the topic of the Project
<b>October</b>	<b>IED:</b> Ch: Current Challenges Facing Indian Economy <ul style="list-style-type: none"> <li>• Employment</li> <li>• Sustainable Economic Development</li> </ul>	
<b>November</b>	<b>Macro</b>	

	Ch: Foreign Exchange Rate Ch: Development Experience Of India- A comparison with Neighbours Revision and class tests	
<b>December</b>	Pre-Board I	
<b>January</b>	Pre-Board II	

**NOTE:** The syllabus is tentative as per the situation prevailing due to COVID. Changes are liable as per CBSE guidelines.

## Biology

<b>TERM – I</b>		
March - September	<b>Theory</b>	<b>Term 1 Practical</b>
	<b>Unit VI Reproduction</b> Chapter-2: Sexual Reproduction in Flowering Plants Chapter-3: Human Reproduction Chapter-4: Reproductive Health	<b>A. List of Experiments</b> A1. Prepare a temporary mount to observe pollen germination. A2. Study the plant population density by quadrat method. A3. Study the plant population frequency by quadrat method. A4. Prepare a temporary mount of onion root tip to study mitosis. A5. Isolate DNA from available plant material such as spinach, green pea seeds, papaya, etc  <b>B. Study/observation of the following (Spotting)</b> B1. Flowers adapted to pollination by different agencies (wind, insects, birds). B2. Pollen germination on stigma through a permanent slide or scanning electron micrograph. B3. Identification of stages of gamete development, i.e., T.S. of testis and T.S. of ovary through permanent slides (from grasshopper/mice). B4. Meiosis in onion bud cell or grasshopper testis through permanent slides. B5. T.S. of blastula through permanent slides (Mammalian). B6. Mendelian inheritance using seeds of different colour/sizes of any plant.
	<b>Unit-VII Genetics and Evolution</b> Chapter-5: Principles of Inheritance and Variation Chapter-6: Molecular Basis of Inheritance Chapter-7: Evolution	
	<b>Unit-VIII Biology and Human Welfare</b> Chapter-8: Human Health and Diseases	



		B7. Prepared pedigree charts of any one of the genetic traits such as rolling of tongue, blood groups, ear lobes, widow's peak and colour blindness. B8. Controlled pollination - emasculation, tagging and bagging.
<b>TERM – II</b>		
October - December	Chapter-10: Microbes in Human Welfare	
	<b>Unit-IX Biotechnology and Its Applications</b> Chapter-11: Biotechnology - Principles and processes Chapter-12: Biotechnology and its Application	B9. Common disease-causing organisms like Ascaris, Entamoeba, Plasmodium, any fungus causing ringworm through permanent slides, models or virtual images or specimens. Comment on symptoms of diseases that they cause. B10. Models specimen showing symbolic association in root modules of leguminous plants, Cuscuta on host, lichens.
	<b>Unit-X Ecology and Environment</b> Chapter-13: Organisms and Populations Chapter-14: Ecosystem Chapter-15: Biodiversity and its Conservation	B11. Flash cards models showing examples of homologous and analogous organs.

## Political Science

Months	Chapters	Activity/Project/Grammar
March-April	Ch1 Cold war Era and Non Aligned Movement (Deleted – CBSE)  Ch2 The End of Bipolarity	Topics will be discussed for Practical project.  Students will be asked to collect information relevant to their topic
May	Ch3 New Centers of Power  Ch4 South Asia and the Contemporary World	Format of the Project file will be discussed.
July	Ch5 United Nations and its Organizations	

	Ch6 Security in Contemporary World	Students will be asked to find out application based questions
August	Ch7 Environment and Natural Resources Ch8 Globalization	Review – Project File Students will work on presentation part.
September	Revision – Term 1 syllabus	
October	Ch1 Challenges of Nation Building Ch2 Planning and Development Ch 3 India’s Foreign Policy	Viva Questions from the project file
November	Ch-4 Parties and Party system in India Ch5 Democratic Resurgence	Practice for- Practical exam
December	Ch7 Regional Aspirations in India Ch8 Indian Politics Trends and Developments	
January	Sample paper practice	

# **Sculpture**

## **April/May**

**Theory- Chapter-** 1. Element and Principle of Art

2. Mughal miniature painting

**Practical-** Class work- #3D clay modeling compositions

# Practice Sketches

# Composition (20 drawings based on round sculpture)

## **July**

**Theory- chapter-** 3. Deccan miniature painting

4. Rajasthani miniature painting

**Practical-** class work- #3D clay modeling compositions

# Practice sketches

# Composition (20 drawings based relief sculpture)

## **August**

**Theory- chapter-** 5. Pahari miniature painting

6. Bengal school of Art

**Practical-** class work- # Relief clay modeling compositions

# Practice sketches

# Composition (20 drawings based on Relief compositions)

## **September**

**Theory-** chapter- 6. Bengal school of Art

7. Modern Art trend in India

**Practical-** class work- # Relief clay modeling

# Practice sketches

# Composition (20 drawings based on relief sculpture)

## **October**

**Theory-** chapter- 7. Modern Art trend in India

**Practical-** class work- # Relief clay modeling

# Practice sketches

# Composition (20 drawings based on relief sculpture)

## November

**Theory-** chapter- Revision

**Practical-** class work- Revision

## History

### NCERT Books- Theme in Indian History (Part I, II, III)

Months	Test/Exam	Chapters	Activity/Project
March, April, May		Theme 1-Bricks, Beads and Bones Theme 2- Kings, Farmers and Towns	Project work for the practical's will be initiated. Students will collect information relevant to their topic.
May	<b>Cycle Test/Periodic Test - I</b>	<b>Theme 1 &amp; 2</b>	
July		Theme 3- Kinship, Caste and Class Theme 4- Thinkers, Beliefs and Buildings	
August		Theme 5 - Through the Eyes of Travellers Theme 6- Bhakti-Sufi Traditions	CBSE Art Integrated Learning (AIL) activity On an A3 /A4 size colored/plain sheet draw, sketch or paint with brief description: Buddhist art and architecture.
August	<b>Cycle/Periodic Test - II</b>	<b>Theme 3 to 6</b>	
September		Theme 7- An Imperial Capital: Vijayanagara Theme 8 - Peasants, Zamindars and the State	Project work to be collected. Students will be given guidelines about the CBSE Project and the students will submit first draft of their projects. Midterm Assessment by internal examiner.
September	<b>Term I / Half Yearly Exam</b>	<b>Theme 1 to 8</b>	
October		Theme 10- Colonialism and Countryside Theme 11- Rebels and the Raj	
October	<b>Cycle Test/Periodic test – III</b>	<b>Theme 10, 11, 13</b>	

<b>November</b>		Theme 13- Mahatma Gandhi and the National Movement Theme 15- Framing the Constitution Revision	CBSE Art Integrated Learning (AIL) activity On an A3 /A4 size colored /plain sheet draw, sketch or paint with brief description: Themes in Indian History Part-III / Rebels and Raj.
<b>December</b>		Revision	
<b>January February March</b>	<b>Term II/Final Exam</b>	<b>Theme 1, 2, 3, 4, 5, 6, 7, 8, 10, 11, 13, 15.</b>	Final Assessment and VIVA of Practical Project.

\*Map work included.

## LIST OF MAPS

<b>Book 1</b>		
1	Page 2	Mature Harappan sites: <ul style="list-style-type: none"> <li>● Harappa, Banawali, Kalibangan, Balakot, Rakhigarhi, Dholavira, Nageshwar, Lothal, Mohenjodaro, Chanhudaro, KotDiji.</li> </ul>
2	Page 30	Mahajanapada and cities: <ul style="list-style-type: none"> <li>● Vajji, Magadha, Kosala, Kuru, Panchala, Gandhara, Avanti, Rajgir, Ujjain, Taxila, Varanasi.</li> </ul>
3	Page 33	Distribution of Ashokan inscriptions: <ul style="list-style-type: none"> <li>● Kushanas, Shakas, Satavahanas, Vakatakas, Guptas</li> <li>● Cities/towns: Mathura, Kannauj, Puhar, Braghukachchha</li> <li>● Pillar inscriptions – Sanchi, Topra, Meerut Pillar and Kaushambi.</li> <li>● Kingdom of Cholas, Cheras and Pandyas.</li> </ul>
4	Page 43	Important kingdoms and towns: <ul style="list-style-type: none"> <li>● Kushanas, Shakas, Satavahanas, Vakatakas, Guptas</li> <li>● Cities/towns: Mathura, Kanauj, Puhar, Braghukachchha, Shravasti, Rajgir, Vaishali, Varanasi, Vidisha</li> </ul>
5	Page 95	Major Buddhist Sites: <ul style="list-style-type: none"> <li>● Nagarjunakonda, Sanchi, Amaravati, Lumbini, Nasik, Bharhut, Bodh Gaya, Ajanta.</li> </ul>
<b>Book 2</b>		
6	Page 174	Bidar, Golconda, Bijapur, Vijayanagar, Chandragiri, Kanchipuram, Mysore, Thanjavur, Kolar, Tirunelveli
7	Page 214	Territories under Babur, Akbar and Aurangzeb: <ul style="list-style-type: none"> <li>● Delhi, Agra, Panipat, Amber, Ajmer, Lahore, Goa.</li> </ul>
<b>Book 3</b>		

8	Page 297	<b>Territories/cities under British Control in 1857:</b> Punjab, Sindh, Bombay, Madras Fort St. David, Masulipatam, Berar, Bengal, Bihar, Orissa, Avadh, Surat, Calcutta, Patna, Benaras, Allahabad and Lucknow.
9	Page 305	<b>Main centres of the Revolt of 1857:</b> Delhi, Meerut, Jhansi, Lucknow, Kanpur, Azamgarh, Calcutta, Benaras, Gwalior, Jabalpur, Agra, Awadh.
10		<b>Important centres of the National Movement:</b> Champaran, Kheda, Ahmedabad, Benaras, Amritsar, Chauri Chaura, Lahore, Bardoli, Dandi, Bombay (Quit India Resolution), Karachi.

**Note:** Changes in the syllabus or in the examination can be made as per the CBSE guidelines.

# English Core

## Section A Reading Skills

### Reading Comprehension through Unseen Passage

20 Marks

- I. One unseen passage to assess comprehension, interpretation and inference. Vocabulary and inference of meaning will also be assessed. The passage may be factual, descriptive or literary.

(10x1=10 Marks)

- II. One unseen **case-based** passage with verbal/visual inputs like statistical data, charts etc.

(10x1=10 Marks)

Note: The combined word limit for both the passages will be 700-750 words.

Multiple Choice Questions / Objective Type Questions will be asked.

## Section B

### III. Creative Writing Skills

20 Marks

The section has Short and Long writing tasks.

- i. Notice up to 50 words. One out of the two given questions to be answered. **(5 Marks:** Format : 1 / Organisation of Ideas: 1/Content : 2 / Accuracy of Spelling and Grammar : 1).
- ii. Formal/Informal Invitation and Reply up to 50 words. One out of the two given questions to be answered. **(5 Marks:** Format: 1 / Organisation of Ideas: 1/Content : 2 / Accuracy of Spelling and Grammar: 1 ).
- iii. Letters based on verbal/visual input, to be answered in approximately 120-150 words. Letter types include application for a job with bio data or resume. Letters to the editor (giving suggestions or opinion on issues of public interest). One out of the two given questions to be answered. **(5 Marks:** Format: 1 / Organisation of Ideas: 1/Content: 2 / Accuracy of Spelling and Grammar: 1 ).
- iv. Article/ Report Writing, descriptive and analytical in nature, based on verbal inputs, to be answered in 120-150 words. One out of the two given questions to

be. (5 Marks: Format: 1 / Organisation of Ideas: 1/Content: 2 / Accuracy of Spelling and Grammar :1 ).

## Section C

This section will have variety of assessment items including Multiple Choice Questions, Objective Type Questions, Short Answer Type Questions and Long Answer Type Questions to assess comprehension, analysis, interpretation and extrapolation beyond the text.

### IV. Reference to the Context 40 Marks

- i. One Poetry extract out of two from the book **Flamingo** to assess comprehension, interpretation, analysis and appreciation.  
**(6x1=6 Marks)**
- ii. One Prose extract out of two from the book **Vistas** to assess comprehension, interpretation, analysis and appreciation.  
**(4x1=4 Marks)**
- iii. One prose extract out of two from the book **Flamingo** to assess comprehension, interpretation and analysis.  
**(6x1=6Marks)**

- V. Short answer type question (**from Prose and Poetry from the book Flamingo**), to be answered in 40-50 words. Questions should elicit inferential responses through critical thinking. Five questions out of the six given are to be answered.

**(5x2=10 Marks)**

- VI. Short answer type question, from **Prose (Vistas)**, to be answered in 40- 50 words. Questions should elicit inferential responses through critical thinking. Any 2 out of 3 questions to be

done.

**(2x2=4 Marks)**

- VII. One Long answer type question, from **Prose/Poetry (Flamingo)**, to be answered in 120-150 words. Questions can be based on incident / theme / passage / extract / event as reference points to assess extrapolation beyond and across the text. The question will elicit analytical and evaluative response from student. Any 1 out of 2 questions to be done. **(1x5=5 Marks)**

- VIII. One Long answer type question, based on the chapters from the book **Vistas**, to be answered in 120-150 words to assess global comprehension and



extrapolation beyond the text. Questions to provide evaluative and analytical responses using incidents, events, themes as reference points. Any 1 out of 2 questions to be done. **(1x5=5 Marks) Prescribed Books**

1. **Flamingo:** English Reader published by National Council of Education Research and Training,  
New Delhi

**(Prose)**

- The Last Lesson
- Lost Spring
- Deep Water
- The Rattrap
- Indigo
- Poets and Pancakes
- The Interview
- Going Places

**(Poetry)**

- My Mother at Sixty-Six
- Keeping Quiet
- A Thing of Beauty
- A Roadside Stand
- Aunt Jennifer's Tigers

2. **Vistas:** Supplementary Reader published by National Council of Education Research and Training, New Delhi

- The Third Level
- The Tiger King
- Journey to the end of the Earth
- The Enemy
- On the Face of It
- Memories of Childhood

Section	Competencies	Total marks
Reading Skills	Conceptual understanding, decoding, Analyzing, inferring, interpreting, appreciating, literary, conventions and vocabulary, summarizing and using appropriate format/s.	20

<b>Creative Writing Sills</b>	Conceptual Understanding, application of rules, Analysis, Reasoning, appropriacy of style and tone, using appropriate format and fluency, inference, analysis, evaluation and creativity.	20
<b>Literature Text Books and Supplementary Reading Texts</b>	Recalling, reasoning, critical thinking, appreciating literary convention, inference, analysis, creativity with fluency.	40
	<b>TOTAL</b>	<b>80</b>
	Assessment of Listening and Speaking Skills	<b>10</b>
	Internal Assessment <ul style="list-style-type: none"> <li>• Listening</li> <li>• Speaking</li> <li>• Project Work</li> </ul>	5 5 10
	<b>GRAND TOTAL</b>	<b>100</b>

- The Cutting of My Long Hair
- We Too are Human Beings

## Physical Education

MONTH	NO. OF TEACHING DAYS	UNIT	ENGAGE	EXPLORE	EXPLAIN	ELABORATE	EVALUATE
APRIL	12	1	Management of Sporting Events	Functions of sports events management Planning of Specific Sports Programmes	Various committees and their responsibilities	1. Types of Tournament 2. fixtures and its procedures	Evaluation done through assignment.
MAY	12	2	Children and Woman in sports	Common Postural Deformities	Special consideration (menarche & menstrual Dysfunction)	Female Athletic Triad	Evaluation done through assignment and class test
JULY	12	3	Yoga and Preventive measure for Lifestyle Disease	Asanas as Preventive measures	Obesity Diabetes Asthma	Hypertension	Evaluation done through Homework.
AUGUST	12	4	Physical education and sports for CWSN	Organizations promoting Disability sports	Special Olympics Paralympics Deaflympics	Strategies to Make Physical Activities to children with Special Needs	Evaluation done through assignment and class test.
SEPTEMBER	12	5	Sports and Nutrition	Balance Diet and Nutrition	Macronutrients and Micronutrients	Food sources and Functions	Evaluation done through assignment and class test.
		6	Test and Measurement in sports	Fitness Test SAI Khelo India Test in school	Computing Basal Metabolic Rate (BMR)	Fitness Test SAI Rikli and Jones Test	Evaluation done through assignment and class test.
OCTOBER	12	7	Physiology and Injuries in Sports	Physiological factors determining the components of Physical fitness	Effects of exercise on all Physiological systems	Sports injuries	Evaluation done through class work.
		8	Biomechanics and Sports	Newton's Law of Motion	Equilibrium-Dynamic and Static	Friction and sports	

NOVEMBER	12	9	Psychology and Sports	Personality	Types of aggressions in sports	Psychology attributes in sports	Evaluation done through Homework.
		10	Training in Sports	Talent Identification and Talent Development in Sports	Strength, Endurance, Speed, Flexibility Coordinative abilities	Introduction of sports Training Cycle	

## Psychology

Month	Chapters	Activity/Project
April	Ch- 1 Variations in Psychological Attributes	Introduction to intelligence test.  Introduction to case profile
Periodic Test I –Syllabus- Chapter 1		
May	Ch-2 Self and Personality	Introduction to personality inventory Introduction to self concept questionnaire
Summer Break		
Periodic Test 2- Syllabus- Chapter - 2		
July	Ch-2 Self and Personality Ch-3 Meeting Life Challenges	Classroom activity related to identifying stressors and coping strategies to deal with them
August	Ch-4 Psychological Disorders	Discussion on case studies related to psychological disorders
September Revision – Term 1 syllabus		

Term 1 Syllabus – Chapter- 1,2,3		
October	Ch-4 Psychological Disorders Ch-5 Therapeutic Approaches	Introduction to attitude scale
Periodic test 3 Syllabus- Chapter 5		
November	Ch-6 Attitude and Social Cognition Ch-7 Social Influence and Group Processes	Introduction to adjustment inventory
December	Revision and Pre- Board-1	-
Final Exam Syllabus Chapter-1,2,3,4,5,6 and 7		

## Chemistry

Months	Books: NCERT Chapters	Activity/ Projects/Grammar
April	Ch.-10 Haloalkanes and haloarenes Ch.-11 Alcohols, Phenols and Ethers	Volumetric analysis 1) Oxalic acid Vs. $\text{KMnO}_4$ 2) Mohr's salt Vs. $\text{KMnO}_4$
May	Ch. -2 Solutions	3) Chromatography 4) Electrochemical cell 5) Neutralization reaction
<b>Periodic Test 1 - Syllabus: Chapters 10,11</b>		
July	Ch. -9 Coordination compounds Ch.-8 d- and f- Block elements	6) Rate of reaction with change in concentration and temperature. 7) Preparation of lyophilic and lyophobic sols.
<b>Periodic Test 2 - Syllabus: Chapters 2,8,9</b>		
August	Ch.-3 Electrochemistry Ch.-4 Chemical kinetics	8) Salt analysis 9) Dialysis 10) Functional group test
September	Revision	
<b>Term 1 Syllabus: Chapters -2,3,4,8,9,10,11</b>		
October	Ch.-12 Aldehydes, ketones and carboxylic acids	11) Food stuff test 8) Salt analysis cont...
<b>Periodic Test 3 Syllabus: Chapters 10,11,12</b>		
November	Ch.-13 Amines Ch.- 14 Biomolecules	8) Salt analysis cont... 12) Crystal preparation of potash alum 13) Preparation of azo dye.
December	Revision	
<b>Term 2 Syllabus: Chapters-2,3,4,8,9,10,11,12,13,14</b>		
January	Revision	