



# **BURNPUR RIVERSIDE SCHOOL**

**BURNPUR / CHITTARANJAN / ASANSOL**

## **MONTHLY PEDAGOGICAL PLAN**

### **ACADEMIC SESSION : 2026 - 2027**



**CLASS : XI**

## SUBJECT: ENGLISH CORE

Text Books:

1. HORNBILL, TEXTBOOK IN ENGLISH FOR CLASS XI (CORE COURSE)
2. SNAPSHOTS, SUPPLEMENTARY READER IN ENGLISH FOR CLASS XI (CORE COURSE)

MONTH	W.D.	COURSE CONTENT	Sl. No.	ARTS INTEGRATED ACTIVITY	LEARNING OUTCOMES
April	22	The Portrait of a Lady The Summer of the Beautiful White Horse Grammar Writing Skills	A	Role Play	<p>THE LEARNER –</p> <ul style="list-style-type: none"> <li>• Reads silently with comprehension and identifies complexity of ideas. Reads, comprehends and extrapolates beyond texts. (Develops respect for grandparents, accepts and manages situations with patience, shows care and concern for birds and animals.)</li> <li>• Solves grammar exercises with/without context.</li> <li>• Develops Posters.</li> </ul>
May	12	A Photograph Grammar Writing Skills	B	Photography	<p>THE LEARNER –</p> <ul style="list-style-type: none"> <li>• Identifies and appreciates figures of speech rhyme scheme, verse, blank verse etc.</li> <li>• Solves grammar exercises.</li> <li>• Writes advertisements &amp; posters in order to demonstrate research skills and correspondence skills for the target audience.</li> </ul>
June	14	The Laburnum Top	C	Sketching	<p>THE LEARNER –</p> <ul style="list-style-type: none"> <li>• Recites poems, identifies literary devices and linguistic features (Learns about the mutual reciprocating relationship that exists in nature).</li> </ul>
<b>PT-1: 24.06.2026 to 03.07.2026</b>					
July	26	We're Not Afraid to Die.... if We Can All be Together  Mother's Day  The Voice of the Rain	D	Story Telling	<p>THE LEARNER –</p> <ul style="list-style-type: none"> <li>• Reads longer text with implicit meaning and describes inferring from contexts, phonological cues etc. with clarity. (Face adverse circumstances with courage, determination and self-confidence; Realize mothers have equal rights to enjoy and they deserve acknowledgment).</li> <li>• Appreciates poetry. (Comparative study between human life and nature.)</li> <li>• Solves grammar exercises.</li> <li>• Writes debates &amp; speeches in order to demonstrate research skills &amp;</li> </ul>

		Grammar Writing Skills			correspondence skills for the target audience.
August	22	The Address Childhood Grammar Writing Skills Note Making	E	Beautifying room/space/building	<p>THE LEARNER –</p> <ul style="list-style-type: none"> <li>• Reads, comprehends &amp; extrapolates beyond texts. Analyses, interprets and appreciates characters, themes, incidents and plot. (Human dilemma that follows war, accept situation and be Optimistic in life).</li> <li>• Appreciates poetry (Innocence of children Hypocrisy of adults). Solves grammar exercises.</li> <li>• Writes with clarity and precision using appropriate vocabulary, expression etc.</li> </ul>
<b>HALF YEARLY EXAMINATION: 02.09.2026 TO 16.09.2026</b>					
September	25	Father to Son Grammar Writing Skills	F	Free Talks	<p>THE LEARNER –</p> <ul style="list-style-type: none"> <li>• Appreciates poetry and identifies significant literary elements (Resolve conflict with patience, accept differences, understand parents, communicate, share joys and sorrows with family members)</li> <li>• Solves grammar exercises.</li> <li>• Expresses ideas and writes effectively.</li> </ul>
October	18	The Adventure Silk Road Grammar Writing Skills	G	Document Making	<p>THE LEARNER –</p> <ul style="list-style-type: none"> <li>• Reads longer texts with implicit meaning and describes inferring from contexts, phonological cues etc. with clarity. (There may be alternate realities that are a result of our thoughts, understand historical significance of Silk Road)</li> <li>• Solves grammar exercises.</li> <li>• Develops write-up with clarity.</li> </ul>
November	19	Discovering Tut: The Saga Continues Note Making Writing Skills Grammar	H	Research on Art Forms	<p>THE LEARNER –</p> <ul style="list-style-type: none"> <li>• Reads, comprehends &amp; extrapolates beyond texts. Analyses, interprets and appreciates characters, themes, incidents and plot. (Scientific intervention to unearth buried mysteries, archaeology and advancement in technology)</li> <li>• Lists notes effectively using correct format.</li> </ul>

December	21	Birth Grammar Writing Skills	I	Slide Show	<p>THE LEARNER –</p> <ul style="list-style-type: none"> <li>• Reads, comprehends &amp; extrapolates beyond texts. Analyses, interprets and appreciates characters, themes, incidents and plot. (Sense of duty, difference between knowledge gained and practical approach).</li> <li>• Applies grammar rules contextually</li> <li>• Writes debates &amp; speeches in order to demonstrate research skills &amp; correspondence skills for the target audience.</li> </ul>
<b>PT-3: 22.12.2026 to 24.12.2026</b>					
<b>PT-3: 05.01.2027 to 07.01.2027</b>					
January	21	The Tale of Melon City Grammar Writing Skills	J	Cartooning	<p>THE LEARNER –</p> <ul style="list-style-type: none"> <li>• Appreciates poetry. Identifies significant literary elements in order to demonstrate understanding of their significance in texts. (Analyse situation and take appropriate decision)</li> <li>• Applies grammar rules, expresses ideas and writes effectively.</li> </ul>
February	23	Revision <b>Annual Examination: 15.02.2027 to 26.02.2027</b>			
March	23	-----	-----	-----	

**N.B.: The following are to be studied along with the study of literature:**

1. Unseen passage for comprehension (Factual, Descriptive, Literary)
2. Unseen Case-based passage with verbal/visual inputs
3. Unseen Passage for Note Making & Summarization
4. Grammar (Gap filling, Re-ordering, Transformation of Sentences)
5. Writing - Classified Advertisement, Poster, Speech, Debate.

**PORTION FOR PT-1: SL. NO. A, B, C**

**PORTION FOR HALF YEARLY EXAM : SL. NO. A, B, C, D, E**

**PORTION FOR PT-3 : SL. NO F, G, H, I**

**PORTION FOR ANNUAL EXAM: SL NO. A TO J (ENTIRE SYLLABUS) AS PER CBSE CURRICULUM**

**ACTIVITIES AS PER RECOMMENDATIONS OF NEP – 2020 / NCF / NCrf****SUBJECT: ENGLISH**

MONTH	W.D.	ACTIVITY	LEARNING OUTCOMES
April	22	Role - Play (AIA)	The learner – Scripts to inform and communicate ideas effectively.
May	12	Writing for real-life situations (Poster and Advertisements)	The learner – Creates Posters and Advertisements for the purpose intended
June	14	Composition of Poems by using different types of literary devices	The learner – Demonstrates enhanced language skills, expression, emotional awareness, deeper understanding of literary devices and appreciation for aesthetics and beauty in language.
July	26	Writing for real life situations – Speeches, Creative Slogans	The learner – <ul style="list-style-type: none"><li>• Writes to express their understanding and experiences.</li><li>• Writes with appropriate information with relevance to the audience and purpose.</li></ul>
August	22	Summarizing Texts	The learner – <ul style="list-style-type: none"><li>• Identifies main points and summarizes from careful reading of the text.</li><li>• Comprehends the way words &amp; sentences are used in texts.</li></ul>
September	25	Half Yearly Examination – Assessment in English	Assessment of Learning
October	18	Anchoring of small events	The learner – Writes ideas in sequence using words appropriate for the purpose & audience intended
November	19	Writes for real-life situations – Speeches and Debates	The learner – <ul style="list-style-type: none"><li>• Writes with appropriate information for the audience &amp; purpose.</li><li>• Uses language appropriate to social context.</li><li>• Expresses agreements and disagreements with reasons.</li></ul>

December	21	Project ALS	The learner – Demonstrates proficiency in creative planning, Literature Review, Prepares Questionnaire, scope of survey
January	21	Project ALS (Contd.)	The learner – Demonstrates proficiency in creative planning, Literature Review, Prepares Questionnaire, scope of survey
February	23	Annual Examination	Assessment of learning
March	23	-----	-----



## SUBJECT: ENGLISH ALS

MONTH	W. D.	COURSE CONTENT	LEARNING OUTCOMES
APRIL	22	INTRODUCING SELF TOPIC PRESENTATION	<p>THE LEARNER –</p> <ul style="list-style-type: none"> <li>• Demonstrates Interactive competence (Initiation &amp; turn taking, relevance to the topic)</li> <li>• Demonstrates proficiency in Fluency (cohesion, coherence and speed of delivery)</li> <li>• Speaks / reads with proper Pronunciation</li> <li>• Uses Language correctly / precisely (grammar and vocabulary)</li> <li>• Demonstrates proficiency in Public speaking skills.</li> </ul>
MAY	12	TOPIC PRESENTATION	<p>THE LEARNER –</p> <ul style="list-style-type: none"> <li>• Demonstrates Interactive competence (Initiation &amp; turn taking, relevance to the topic)</li> <li>• Demonstrates proficiency in Fluency (cohesion, coherence and speed of delivery)</li> <li>• Speaks / reads with proper Pronunciation</li> <li>• Uses Language correctly / precisely (grammar and vocabulary)</li> </ul>
JUNE	14	FREE TALKS/ STORY TELLING	<p>THE LEARNER –</p> <ul style="list-style-type: none"> <li>• Develops Interactive competence (Initiation &amp; turn taking, relevance to the topic)</li> <li>• Demonstrates proficiency in Fluency (cohesion, coherence and speed of delivery)</li> <li>• Speaks / reads with proper Pronunciation</li> <li>• Uses Language correctly / precisely (grammar and vocabulary)</li> </ul>
JULY	26	TOPIC PRESENTATION	<p>THE LEARNER EXPRESSES PROFICIENCY IN –</p> <ul style="list-style-type: none"> <li>• Interactive competence (Initiation &amp; turn taking, relevance to the topic)</li> <li>• Fluency (cohesion, coherence and speed of delivery)</li> <li>• Pronunciation</li> <li>• Language (Grammar and vocabulary)</li> </ul>
AUGUST	22	TOPIC PRESENTATION	<p>THE LEARNER EXPRESSES PROFICIENCY IN –</p> <ul style="list-style-type: none"> <li>• Interactive competence (Initiation &amp; turn taking, relevance to the topic)</li> <li>• Fluency (cohesion, coherence and speed of delivery)</li> <li>• Pronunciation</li> <li>• Language (Grammar and vocabulary)</li> </ul>
<b>HALF YEARLY EXAMINATION - 24-08-26 TO 29-08-26</b>			

<b>SEPTEMBER</b>	25	PROJECT PLANNING	<p>THE LEARNER EXPRESSES PROFICIENCY IN –</p> <ul style="list-style-type: none"> <li>• Pronunciation and Vocabulary</li> <li>• Grammar</li> <li>• Communication skills</li> <li>• Fluency (cohesion, coherence and speed of delivery)</li> <li>• Creative planning</li> </ul>
<b>OCTOBER</b>	18	PROJECT PLANNING AND RESEARCH WORK	<p>THE LEARNER EXPRESSES PROFICIENCY IN–</p> <ul style="list-style-type: none"> <li>• Pronunciation and Vocabulary</li> <li>• Grammar</li> <li>• Communication skills</li> <li>• Fluency (cohesion, coherence and speed of delivery)</li> <li>• Creative planning</li> <li>• Literature review</li> <li>• Preparation of Questionnaire</li> <li>• Scope of survey</li> </ul>
<b>NOVEMBER</b>	19	RESEARCH WORKSURVEY PROJECT COMPLETION	<p>THE LEARNER EXPRESSES PROFICIENCY IN / DESIGNS –</p> <ul style="list-style-type: none"> <li>• Pronunciation and Vocabulary</li> <li>• Grammar</li> <li>• Communication skills</li> <li>• Fluency (cohesion, coherence and speed of delivery)</li> <li>• Creative planning</li> <li>• Literature review</li> <li>• Preparation of Questionnaire</li> <li>• Scope of survey</li> </ul>
<b>DECEMBER</b>	21	PROJECT SUBMISSION	-----
<b>JANUARY</b>	21	----	-----
<b>ANNUAL EXAMINATION - 04-02-27 TO 09-02-27</b>			
<b>FEBRUARY</b>	23	----	----
<b>MARCH</b>	23	----	----

## SUBJECT: MATHEMATICS

Text Books:

1. NCERT TEXT BOOK FOR MATHEMATICS – CLASS-XI
2. SENIOR SECONDARY SCHOOL MATHEMATICS FOR CLASS-11 BY R.S. AGGARWAL (BHARATI BHAWAN)
3. TOGETHER WITH MATHEMATICS LAB MANUAL (RACHNA SAGAR PUBLICATIONS)

MONTH	WD	COURSE CONTENT	MATHS LAB ACTIVITY	SL. NO	ART INTEGRATED ACTIVITY	LEARNING OUTCOMES
April	22	Sets, Relations and Functions, Complex Numbers and Quadratic Equations	<b>Activity 1:</b> To find the number of subsets of a given set  <b>Activity 5:</b> To identify a relation and a function	A	Sketching	The Learner-Develops the idea of sets and its representations. Identifies relation and functions. Understands complex number and its operations.
May	12	Trigonometric Functions	<b>Activity10:</b> To plot the graphs of $\sin x$ , $\sin 2x$ , $2\sin x$ , $\sin \frac{x}{2}$ using same coordinate axes	B	Making Formula Chart	The Learner- Understands different measures of an angle and problems related to it.
June	14	Linear inequations in one variables	<b>Activity 3:</b> To represent set theoretic operations using Venn diagrams	C	Sketching	The Learner- Learns about the intervals and the solution set in the number line.
<b>PT 1 ( 24-06-2026 To 03-07-2026)</b>						
July	26	Limits and Derivatives	<b>Activity28:</b> To find analytically $\lim_{x \rightarrow c} f(x) = \frac{x^2 - c^2}{x - c}$	D	Making Formula Chart	The Learner- Evolves the concept of limit and derivatives of a given function using the formulas or rules.
August	22	Permutations and Combinations	<b>Activity14:</b> To obtain the number of combinations	E	Making Concept Map	The Learner- Applies the ideas of Permutations and Combination in daily life situation

HALF YEARLY EXAMINATION( 02-09-2026 To 16-09-2026)						
September	25	Binomial Theorem	.....	F	Making Chart	The Learner- Develops the idea about binomial theorem, co-efficient, for a positive integral power
October	18	Straight Lines, Conic Sections	<b>Activity 21:</b> To construct different types of conic sections	G	Making Formula Chart, Sketching	The Learner- Learns different curves like circle, parabola ellipse, hyperbola
November	19	Conic Sections (Contd...), Sequence and Series	<b>Activity18:</b> To demonstrate that A.M. is always greater than G.M.	H	Making Formula Chart	The Learner- Understands the ideas about progression (A.P. & G.P.)
December	21	Introduction to 3-D Geometry	<b>Activity27:</b> To explain the concept of octants by three mutually perpendicular lines	I	Sketching	The Learner- Learns to plot a point in three mutually perpendicular axes, identifies the octants
<b>PT-3 ( 22-12-2026 To 24-12-2026)</b>						
<b>PT-3 ( 05-01-2027 To 07-01-2027)</b>						
January	21	Statistics and Probability	<b>Activity32:</b> To write the sample space when a die is rolled once, twice etc	J	Making Chart	The Learner- Learns to calculate measures of dispersion to get a better interpretation of data
February	23	REVISION				
<b>ANNUAL EXAMINATION ( 15-02-2027 TO 26-02-2027)</b>						
March	23	.....	.....		.....	.....

PORTION FOR PT-1: SL. NO. A, B, C  
 PORTION FOR HALFYEARLY EXAM: SL. NO. A, B, C, D, E  
 PORTION FOR PT-3: SL. NO F, G, H, I  
 PORTION FOR ANNUAL EXAM: SL NO. A TO J  
 (ENTIRE SYLLABUS) AS PER CBSE CURRICULUM

**ACTIVITIES AS PER RECOMMENDATIONS OF NEP-2020/NCF/NCrF****SUBJECT: MATHEMATICS**

MONTH	WD	ACTIVITY	LERNING OUTCOMES
APRIL	22	Quiz on 'SETS'	The Learner- Develops the idea about Sets
MAY	12	Making formula chart on 'Trigonometric Functions'	The Learner- Learns to apply the Trigonometric Formulas
JUNE	14	Class Test on Linear inequalities in one variable	The Learner- Represents the solution set on Number line
JULY	26	Making Formula Chart on 'Limits and Derivatives'	The Learner- Develops the concept of limits and derivatives
AUGUST	22	Assignment on 'Permutations and Combinations'	The Learner- Applies the idea of permutation and combinations on daily life situations
SEPTEMBER	25	Making Paskal's Triangle for the 'Binomial Theorem'	The Learner- Develops the idea about the Binomial expression
OCTOBER	18	Making Chart on 'Conic Sections'	The Learner- Learns about the Curves and shapes of different Conic Sections
NOVEMBER	19	Quiz on 'Sequence and Series'	The Learner- Distinguishes between Sequence and Series
DECEMBER	21	Class Test on '3D Geometry'	The Learner- Learns to locate a point on 3D Space
JANUARY	21	Assignments on 'Statistics and Probability'	The Learner- Represents the data and finds the measure of dispersion
FENRUARY	23	-	-
MARCH	23	-	-

## SUBJECT – PHYSICS

**TEXT BOOK: PHYSICS TEXT BOOK FOR CLASSXI (PART- I AND PART-2) (NCERT)**

MONTH	W. D	COURSE CONTENT	SL no	ART INTEGRATED PROJECT	LEARNING OUTCOMES
APRIL	22	chap2: units and dimension chap3: motion in a straight line	A	Sory telling	The learner - <ul style="list-style-type: none"> <li>Formulates relationship between various physical quantities using principle of homogeneity and checks its validity.</li> <li>Calculates percentage error in series of measurements.</li> <li>Differentiates between precision and accuracy in experimental data.</li> <li>Investigates graph and analyses motion of objects / bodies in daily life</li> </ul>
MAY	10	Chap3: Motion in a straight line (Contd.....) Chap4: Motion in a plane	B	Slide show	The learner - <ul style="list-style-type: none"> <li>Analyses diagram and interpret position time graph of uniform and non-uniform motion</li> <li>Assess the validity of kinematics equation under variable acceleration.</li> </ul>
JUNE	14	Chap4: Motion in a plane (Contd.....)	C	Slide show	The learner - <ul style="list-style-type: none"> <li>Differentiates between Scalar and vector quantities</li> </ul>
<b>PT1 - 24-06-2026 TO 03-07-2026</b>					
JULY	26	Chap5: Laws of Motion.  Chap6: Work, Energy and power	D	Role Play	The learner - <ul style="list-style-type: none"> <li>Constructs free body diagrams to solve problems involving connected masses.</li> <li>Apprise the role of friction in various mechanical systems</li> </ul>
AUGUST	22	Chap6: Work, Energy and power (Contd.....)  Chap7: System of Particles and Rotational motion	E	Slide show	The learner - <ul style="list-style-type: none"> <li>Constructs a model to demonstrate the conservation of linear momentum during collision.</li> <li>Defines and mathematically calculates centre of mass of various geometrical figures.</li> <li>Contrast linear and rotational variables (e.g, mass vs moment of inertia)</li> </ul>
<b>HALF YEARLY EXAMINATION 02-09-2026 TO 16-09-2026</b>					
		Chap8: Gravitation			The learner -

<b>SEPTEMBER</b>	25	Chap9: Mechanical Properties of Solids	F	Slide show	<ul style="list-style-type: none"> <li>• Compute value of g on the surface of different celestial bodies</li> <li>• Appraise the factors affecting orbital velocity and time period of geostationary satellite.</li> <li>• Defines elasticity, plasticity and limit of proportionality.</li> <li>• Summarizes Hooke's law and its relevance to solid material.</li> <li>• Illustrate the stress- strain curve for metallic wires and label elastic limit and breaking point.</li> </ul>
<b>OCOTBER</b>	18	Chap10: Mechanical properties of Fluids	G	Slide show	<p>The learner –</p> <ul style="list-style-type: none"> <li>• Defines atmospheric pressure and state Pascal's law for transmission of fluid pressure.</li> <li>• Describe the phenomenon of surface tension and capillary rise in narrow tubes</li> </ul>
<b>NOVEMBER</b>	19	Chap11: Thermal properties of Matter Chap12: Thermodynamics	H	Experimental demonstration	<p>The learner –</p> <ul style="list-style-type: none"> <li>• Identifies the three scales of temperature and their relationship</li> <li>• Summarizes the three modes of heat transfer</li> <li>• Examine cooling rate of a body using Newton's law of cooling</li> <li>• States zeroth law, first law</li> <li>• Recognizes the characteristics of isothermal, adiabatic, isobaric and isochoric processes</li> </ul>
<b>DECEMBER</b>	21	Chap13: Kinetic Theory of Gasses	I	Slide show	<p>The learner –</p> <ul style="list-style-type: none"> <li>• States basic postulates of Kinetic theory of gasses</li> <li>• Defines mean free path</li> <li>• Identifies degrees of freedom for monoatomic, diatomic and poly atomic gas molecules.</li> </ul>
<b>PT3 FROM 22-12-2026 to 24-12-2027</b>					
<b>PT3 FROM 05-01-2027 to 07-01-2027</b>					
<b>JANUARY</b>	21	Chap14: Oscillation Chap15: Waves	J	Slide show	<p>The learner –</p> <ul style="list-style-type: none"> <li>• Defines periodic and oscillatory motion</li> <li>• Describes the characteristics of SHM</li> <li>• Differentiates between longitudinal and transverse waves</li> <li>• Computes speed of sound in different media.</li> </ul>

**ANNUAL EXAMINATION - 15-02-2027 TO 26-02-2027**

<b>FEBRUARY</b>	23	----	--	----	----
<b>MARCH</b>	23	----	--	----	----

- PORTION FOR PT1: A, B, C
- PORTION FOR HALF YEARLY EXAM: SL NO A, B, C, D AND E
- PORTION FOR PT3 SL NO F, G AND H



**ACTIVITIES AS PER RECOMMENDATIONS OF NEP - 2020 / NCF / NCrF**

**SUBJECT - PHYSICS**

<b>MONTH</b>	<b>W.D.</b>	<b>ACTIVITY</b>	<b>LEARNING OUTCOMES</b>
April	22	Class Test on Units and Dimensions	The learner will be able to identify various units and dimensions of different physical quantities.
May	12	Assignment on Motion in a Straight line	The learner will be able to analyse motion in a Straight line.
June	14	Assignment on Motion in a Plane.	The learner will be able to analyze motion in a Plane and appreciates various mathematical relations.
July	26	Concept Chart on Laws of Motion	The learner will be able to summarize the key points of the law of conservation of mass.
August	22	Class test on Work Energy Power	The learner will develop the idea of work and energy and able to solve numericals analytically.
September	25	Quiz on Mechanical Properties of Solids	The learner will be able to identify and analyze mechanical properties of solids.
October	18	Mind map on Mechanical Properties of Fluid	The learner will be able to identify and analyze mechanical properties of fluid and their practical applications.
November	19	Class text on Numericals based on Thermal Properties of Matter and Thermodynamics	The learner will be able to identify and interpret analytically the various thermal properties of matter.
December	21	Assignment on Kinetic Theory of gases Assessment in Physics Theory PT3	The learner will be able to interpret mathematical relations of kinetic theory of gases. Assessment of learning.
January	21	Assignment on Waves and Oscillations	The learner will be able to understand the mathematical relationship between waves and oscillations
February	23	Assessment in Physics Theory Annual Exam	Assessment of learning.
March	23	-----	-----

## SUBJECT – PHYSICS PRACTICAL

TEXT BOOK: EXPOLRE ON PRACTICAL MANUAL OF PHYSICS

MONTH	W. D	COURSE CONTENT	SL NO	LEARNING OUTCOMES
APRIL	22	Exp1: To measure diameter of a small spherical/ cylindrical and to measure internal diameter and depth of a given beaker or calorimeter using Vernier callipers and hence find its volume.	A	The learner - <ul style="list-style-type: none"> <li>Differentiates between precision and accuracy in experimental data.</li> <li>Analyses dimensions of various objects using appropriate apparatus</li> </ul>
MAY	12	Exp2: To measure the diameter of a given wire and thickness of a given sheet using screw gauge.	B	The learner - <ul style="list-style-type: none"> <li>Analyses dimensions of various objects using appropriate apparatus.</li> </ul>
JUNE	14	Exp3: To determine radius of curvature of spherical surface using spherometer.	C	The learner - <ul style="list-style-type: none"> <li>Measures dimensions of various objects using appropriate apparatus</li> </ul>
JULY	26	Exp 4: To determine volume of an irregular lamina using screw gauge.	D	The learner - <ul style="list-style-type: none"> <li>Measures dimensions of various objects using appropriate apparatus</li> </ul>
AUGUST	22	Exp 5: Using a simple pendulum plot its $L-T^2$ graph and use it to find the effective length of second's pendulum <b>REVISION OF HALFYEARLY PORTION.</b>	E	The learner - <ul style="list-style-type: none"> <li>Interprets graph, data and draws conclusion from it mathematically.</li> </ul>
<b>HALF YEARLY PRACTICAL EXAMINATION-24-08-26 To 29-08-26</b>				
SEPTEMBER	25	Exp 5: To find force constant of a helical spring by plotting graph between load and extension.		The Learner - <ul style="list-style-type: none"> <li>Computes the value of spring constant.</li> <li>Summarizes Hooke's law and its relevance to solid material</li> </ul>
OCTOBER	18	Exp 6: To determine coefficient of viscosity of a given viscous liquid by measuring the terminal velocity of given spherical body.	G	The Learner - <ul style="list-style-type: none"> <li>Determines the coefficient of viscosity for various liquids.</li> </ul>
NOVEMBER	19	Exp 7: To study relationship between the temperature of hot body and time by plotting a cooling curve.	H	The learner - <ul style="list-style-type: none"> <li>Interprets graph, data and draws conclusion from it mathematically</li> </ul>

DECEMBER	21	Exp 8: To study relationship between frequency and length of a given wire under constant tension using sonometer.	I	The learner - <ul style="list-style-type: none"> <li>Differentiates between longitudinal and transverse wave.</li> </ul>
JANUARY	21	REVISION	---	----
FEBRUARY	23	-----	----	-----
<b>ANNUAL EXAMINATION - 04.02.2027 TO 09.02.2027</b>				
MARCH	23	-----	----	-----



## SUBJECT: CHEMISTRY

### TEXT BOOKS:

- 1) Text book for class XI (part 1 and 2) - NCERT
- 2) Dinesh companion chemistry (Vol -1 and 2)

MONTH	W.D.	COURSE CONTENT	SL. NO.	ARTS INTEGRATED ACTIVITY	LEARNING OUTCOMES
APRIL	22	Ch-1- Some basic concepts of chemistry Ch-2- Structure of atom	A	Models of different atomic structures.	The learner - analyses fundamental chemical principles related to the composition of matter and the concept of molecular identity.
MAY	12	Ch-2- Structure of atom Ch-3- Classification of elements and periodicity in properties.	B	Slide show	The learner- Understands the distribution of electrons in different energy levels.
JUNE	14	Ch-3- Classification of elements and periodicity in properties.	C	Slide show	The learner- Identifies the position of an element in the periodic table and its characteristics.
<b>PT-1(24.06.26 TO 03.07.26)</b>					
JULY	26	Ch-4- Chemical bonding and molecular structure. Ch-5- Thermodynamics.	D	Labelled diagram/concept map	The learner- Determines the hybridization and shape of the molecules.
AUGUST	22	Ch-5- Thermodynamics Ch-8- Organic chemistry- some basic principles and techniques.	E	Labelled diagram/concept map	The learner- Applies different separation techniques for separating different kind of mixtures.
<b>HALF YEARLY EXAMINATION (02.09.2026 TO 16.09.2026)</b>					
SEPTEMBER	25	Ch-7- Redox reactions	F	Chart on electrode potential.	The learner- Identifies different types of redox reactions.
OCTOBER	18	Ch-6- Equilibrium	G	Slide show	The learner- Applies knowledge of Lewis acids and bases to equilibrium problem.
NOVEMBER	19	Ch-6- Equilibrium Ch-9- Hydrocarbons	H	Charts on method of preparation of hydrocarbons.	The learner- Uses the concept of solubility product in equilibrium problem.

DECEMBER	21	Ch-9- Hydrocarbons (till alkanes)	I	Models of hydrocarbons.	The learner - Applies IUPAC naming system in organic compounds.
<b>PT-3(22.12.26 To 24.12.26)</b>					
<b>PT-3(05.01.27 To 07.01.27)</b>					
JANUARY	21	CH-9- Hydrocarbons	J	Slide show	The learner - Examines isomerism, physical and chemical properties of hydrocarbons.
FEBRUARY	23	Revision	---	----	----
<b>ANNUAL EXAMINATION (15.02.27 TO 26.02.27)</b>					
MARCH	23	----	--	---	---

PORTION FOR PT1 : SL.NO. A, B, C  
 PORTION FOR HALF YEARLY : SL.NO. A, B, C, D, E  
 PORTION FOR PT3 : SL.NO F, G, H, I  
 PORTION FOR ANNUAL EXAM : SL NO. A TO J (ENTIRE SYLLABUS) AS PER CBSE CURRICULUM

**ACTIVITIES AS PER RECOMMENDATIONS OF NEP-2020/NCF/NCRF**  
**SUBJECT: CHEMISTRY**

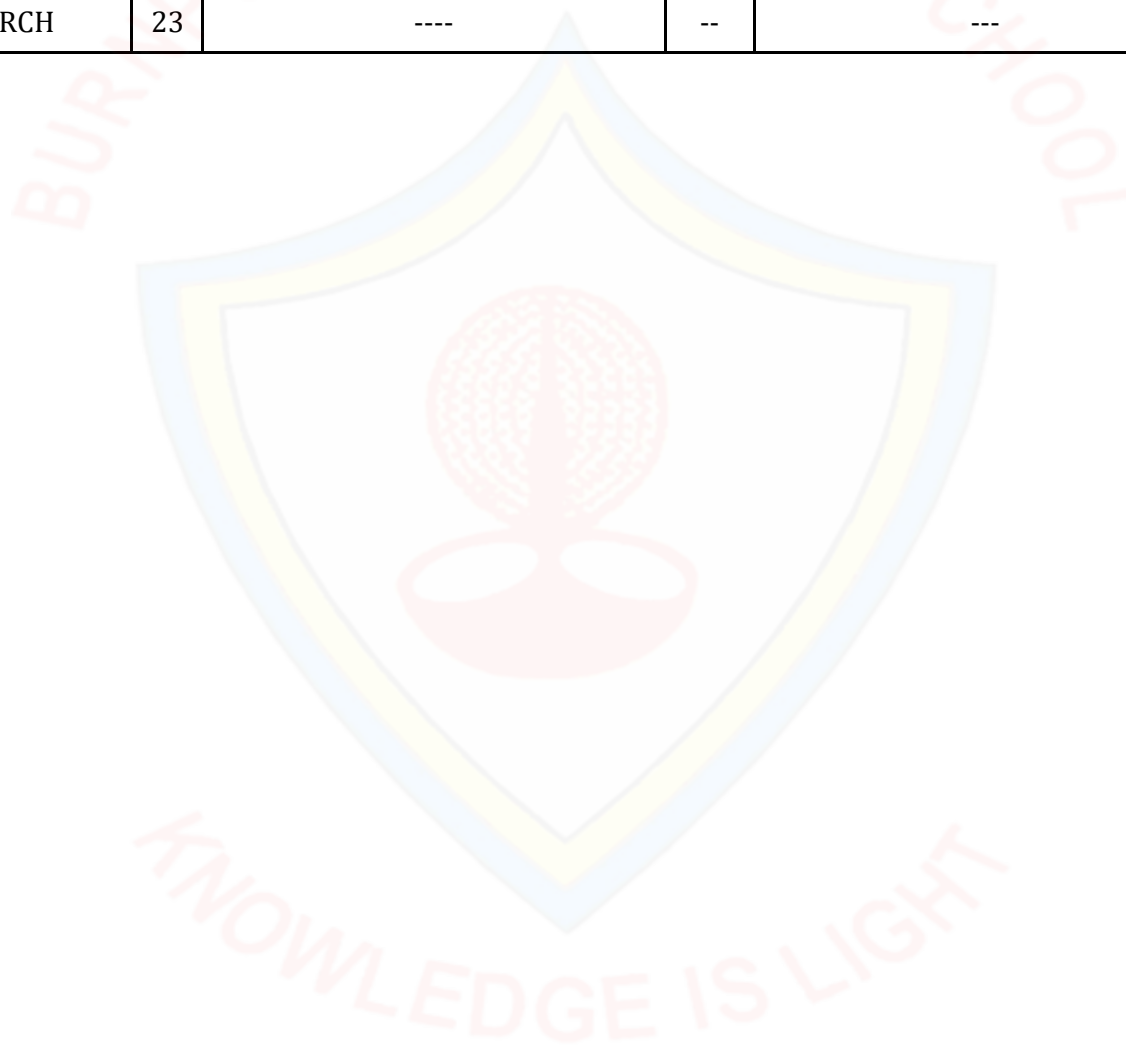
MONTH	W.D.	ACTIVITY	LEARNING OUTCOMES
APRIL	22	Class Project Ch- Some basic concepts of Chemistry.	The learner - recognises the scientific aspects
MAY	12	Performing arts Ch- Structure of atom.	The learner- constructs meaning by drawing inference and relating with previous knowledge.
JUNE	14	Class quiz Ch- Chemical bonding and molecular structure.	The learner- applies knowledge and skill.
JULY	26	Construct an enthalpy diagram on Born-Haber cycle. (Performing art)	The learner- identifies different changes in the lattice enthalpy of NaCl
AUGUST	22	Prepare a chart of different functional groups of organic compounds. (Performing art)	The learner- applies IUPAC nomenclature to different types of compounds.
SEPTEMBER	25	Prepare a class project on the construction and working principles of a galvanic cell.	The learner- identifies the cell notation of an electrochemical cell.
OCTOBER	18	Prepare a chart on acidic and basic buffer.	The learner- explains the buffer action of acidic and basic buffer.
NOVEMBER	19	i) Perform some acid-base titrations using indicators. (Laboratory work) ii) Investigatory project.	The learner- identifies the equivalence point of acid-base titration.
DECEMBER	21	Prepare a concept chart of hydrocarbons. (Performing art)	The learner - differentiates between aliphatic and aromatic hydrocarbons.
JANUARY	21	Prepare an aromatic reaction map. (Performing art)	The learner - analyses the reaction mechanisms
FEBRUARY	23	---	----
MARCH	23	----	---

**SUBJECT: CHEMISTRY PRACTICAL****TEXT BOOK:**

Comprehensive Practical Chemistry for Class- XI

MONTH	W. D.	COURSE CONTENT	SL. NO.	LEARNING OUTCOMES
APRIL	22	Exp-1) a) Prepare (N/10) or (M/20) Sodium carbonate solution. b) Titration- $\text{Na}_2\text{CO}_3$ vs HCl	A	The learner - Identifies a standard solution and understands the concept of titration.
MAY	12	Exp-2) a) Prepare (N/10) or (M/20) oxalic acid solution. b) Titration- Oxalic acid vs NaOH Exp-3) Content based experiment (any one)	B	The learner- Identifies a standard solution and understands the concept of titration.
JUNE	14	Exp-4- known tests for acid and basic radicals.	C	The learner- identifies acid and basic radicals.
JULY	26	Exp-4- Known tests for acid and basic radicals.	D	The learner- identifies acid and basic radicals.
AUGUST	22	Exp-5- Unknown tests for acid and basic radicals.	E	The learner- determines the unknown acid and basic radical in a given sample.
<b>HALF YEARLY – 24.08.2026 TO 29.08.2026</b>				
SEPTEMBER	25	Exp-6- Unknown tests for acid and basic radicals.  Revision	F	The learner- determines the unknown acid and basic radical in a given sample.
OCTOBER	18	Exp-7- Unknown tests for acid and basic radicals.	G	The learner- determines the unknown acid and basic radical in a given sample.
NOVEMBER	19	Exp-8- Unknown tests for acid and basic radicals.	H	The learner- determines the unknown acid and basic radical in a given sample.

DECEMBER	21	Exp-9- Unknown tests for acid and basic radicals.	I	The learner - determines the unknown acid and basic radical in a given sample.
JANUARY	21	Exp-10- Unknown tests for acid and basic radicals.	J	The learner - determines the unknown acid and basic radical in a given sample.
FEBRUARY	23	---	---	----
<b>ANNUAL EXAMINATION - 04.02.2027 TO 09.02.2027</b>				
MARCH	23	----	--	---



## SUBJECT: BIOLOGY

### TEXT BOOKS:

1. BIOLOGY TEXTBOOK FOR CLASS XI [NCERT]
2. NEW SIMPLIFIED BIOLOGY XI [DHANPAT RAI & CO.]

MONTH	W.D.	COURSE CONTENT	SL. NO.	ARTS INTEGRATED ACTIVITY	LEARNING OUTCOMES
APRIL	22	CH.1- THE LIVING WORLD CH.2- BIOLOGICAL CLASSIFICATION	A	MICROSCOPIC SPECIMEN ON SLIDE	THE LEARNER WILL BE ABLE TO CLASSIFY ORGANISMS.
MAY	12	CH. 3- PLANT KINGDOM	B	CHARTS ON BRYOPHYTES	THE LEARNER WILL BE ABLE TO CLASSIFY PLANTS
JUNE	14	CH. 3- PLANT KINGDOM	C	CHARTS ON GYMNOSPERMS	THE LEARNER WILL BE ABLE TO CLASSIFY PLANTS
<b>PT-1(24.06.26 TO 03.07.26)</b>					
JULY	26	CH. 4- ANIMAL KINGDOM CH. 5- MORPHOLOGY OF FLOWERING PLANTS CH. 6- ANATOMY OF FLOWERING PLANTS	D	PRACTICAL DEMONSTRATION ON THE PLANTS IN SCHOOL GARDEN	THE LEARNER WILL BE ABLE TO IDENTIFY MORPHOLOGICAL FEATURES OF ANGIOSPERMS
AUGUST	22	CH. 6- ANATOMY OF FLOWERING PLANTS CH. 7-STRUCTURAL ORGANISATION IN ANIMALS	E	CHART DISPLAY ON INTERNAL ORGANS OF FROG	THE LEARNER WILL BE ABLE TO IDENTIFY VARIOUS PLANT AND ANIMAL TISSUES
<b>HALF YEARLY EXAMINATION (02.09.2026 TO 16.09.2026)</b>					
SEPTEMBER	25	CH.8: CELL-THE UNIT OF LIFE CH.9: BIOMOLECULES	F	MODEL PRESENTATION ON DNA MOLECULE	THE LEARNER WILL BE ABLE TO UNDERSTAND THE FUNCTIONS OF VARIOUS CELL ORGANELLES.
OCTOBER	18	CH.10: CELL CYCLE AND CELL DIVISION CH.11: PHOTOSYNTHESIS IN HIGHER PLANTS CH.12: RESPIRATION IN PLANTS	G	CHARTS ON C3 & C4 PLANT RESPIRATION	THE LEARNER WILL BE ABLE TO LEARN TO APPRECIATE PHYSIOLOGICAL PROCESSES IN MOLECULAR LEVEL
NOVEMBER	19	CH.13: PLANT GROWTH AND DEVELOPMENT	H	VIDEO ON CIRCULATORY SYSTEM AND	THE LEARNER WILL BE ABLE TO UNDERSTAND THE WORKING OF HUMAN KIDNEY , AS WELL AS THE

		CH.14: BREATHING AND EXCHANGE OF GASES ( TO BE EVALUATED IN ANNUAL EXAM)  CH.15: BODY FLUID AND CIRCULATION (TO BE EVALUATED IN ANNUAL EXAM)  CH.16: EXCRETORY PRODUCTS AND THEIR ELIMINATION (TO BE EVALUATED IN ANNUAL EXAM)		EXCRETORY SYSTEM	PROCESS OF DIALYSIS
DECEMBER	21	CH.17: LOCOMOTION AND MOVEMENT (TO BE EVALUATED IN ANNUAL EXAM)	I	CHART ON SKELETAL SYSTEM.	THE LEARNER WILL LEARN ABOUT THE MUSCULAR CELL CONTRACTION & EXPANSION
<b>PT-3 (22.12.26 TO 24.12.26)</b>					
<b>PT-3 (05.01.27 TO 07.01.27)</b>					
JANUARY	21	CH.18: NEURAL CONTROL AND CO-ORDINATION CH. 19; CHEMICAL COORDINATION AND INTEGRATION	J	PPTs ON PITUITARY GLAND	THE LEARNER WILL APPRECIATE THE WORKING OF THE NEURAL SYSTEM.
FEBRUARY	23	REVISION AND ANNUAL EXAMINATION	---	----	----
<b>ANNUAL EXAMINATION (15.02.27 TO 26.02.27)</b>					
MARCH	23	----	--	---	---

PORTION FOR PT1 : SL.NO. A, B, C  
 PORTION FOR HALF YEARLY EXAMINATION : SL.NO. A, B, C, D, E  
 PORTION FOR PT3 : SL.NO F, G, H, I  
 PORTION FOR ANNUAL EXAM : SL NO. A TO J (ENTIRE SYLLABUS) AS PER CBSE CURRICULUM

**ACTIVITIES AS PER RECOMMENDATIONS OF NEP-2020/NCF/NCRF**  
**SUBJECT: BIOLOGY**

MONTH	W.D.	ACTIVITY	LEARNING OUTCOMES
APRIL	22	Use of Microscope for observing slides as a part of laboratory work as well as skill development.	The learner will learn to work independently with microscope.
MAY	12	Investigatory project work initiation as a part of curriculum.	The learner will be able to identify a problem and develop a project
JUNE	14	Quiz on the first three chapters taught	The learner will be able to comprehend key concepts from the subject matter.
JULY	26	Identification of various morphological features in School Garden Plants	The learner will be able to group plants based on taxonomical classification
AUGUST	22	Slide preparation of Monocot and Dicot plants (Stem & Root)	The learner will be able to develop their laboratory skills on preparing slide mounts.
SEPTEMBER	25	Sketching Prokaryotic & Eukaryotic cells with appropriate labelling	The learner will be able to identify various cell organelles.
OCTOBER	18	Perform paper chromatography for plant pigments	The learner will learn to calculate the Rf values of plant pigments.
NOVEMBER	19	Model making on heart / lung / kidney	The learner will be able to understand human physiology
DECEMBER	21	Identification of various parts of Human skeleton system	The learner will be able to precisely identify various bones & joints.
JANUARY	21	Chart making on hormones & it's functions	The learner will be able to correlate the importance of hormones and related diseases, symptoms & treatment.
FEBRUARY	23	---	----
MARCH	23	----	---

## SUBJECT: BIOLOGY PRACTICAL

### TEXT BOOK:

Comprehensive Laboratory Manual in Biology, XI; Laxmi Publications (P. Ltd)

MONTH	W. D.	COURSE CONTENT	SL. NO.	LEARNING OUTCOMES
APRIL	22	Study and describe a locally available flowering plant. Study of distribution of stomata on the upper and lower surface of leaves	A	The learner will be able to identify morphological features use them for classification
MAY	12	Test for presence of sugar, albumin, urea and bile in Urine. Investigatory project work to be initiated	B	The learner will be able to perform biochemical tests for analysis of samples.
JUNE	14	Spotting B1, B2, B3	C	The learner will learn to use microscope.
JULY	26	Study of Osmosis by Potato Osmometer	D	The learner will be able to conceptualise osmosis.
AUGUST	22	Revision	E	-----
<b>HALF YEARLY - 24.08.2026 TO 29.08.2026</b>				
SEPTEMBER	25	Preparation and study of T. S. of dicot and monocot stem. Study of Plasmolysis in epidermal cells	F	The learner will acquire skills to prepare sections of various specimens.
OCTOBER	18	Comparative study of rates of transpiration in upper & lower surface of leaves Test the presence of sugar, starch, proteins and fats in food samples.	G	The learner will develop analytical skills and draw inferences for Biochemical analysis.
NOVEMBER	19	Separation of plant pigment through paper chromatography Study of rate of respiration in flower buds or leaf tissues and germinating seeds.	H	The learner will be able to conceptualise and perform paper chromatography.
DECEMBER	21	Spotting B4, B5, B6 Project Completion	I	The learner will learn to use microscope
JANUARY	21	Revision	J	-----
FEBRUARY	23	---	---	---
<b>ANNUAL EXAMINATION - 04.02.2027 TO 09.02.2027</b>				
MARCH	23	----	--	---

## SUBJECT: PHYSICAL EDUCATION

### TEXT BOOK:

Text book of Physical Education (ARYA)

MONTH	W.D.	COURSE CONTENT	SL. NO.	ARTS INTEGRATED ACTIVITY	LEARNING OUTCOMES
APRIL	22	UNIT 1: changing trends and careers in physical education.	A	PPTs & free talks.	The learner - Explore different career options in the field of physical education.
MAY	12	UNIT 2: Olympism value education.	B	PPTs	The learner- Will be able to understand the philosophy of Olympism and Olympic values ( Excellence, Friendship, Respect)
JUNE	14	UNIT 3: Yoga	C	PPTs	The learner- Will be able to identify and perform different <i>Asanas, Pranayama</i> and Meditation techniques.
<b>PT-1(24.6.26 TO 03.07.26)</b>					
JULY	26	UNIT 4: Physical education and sports for cwsn( children with special needs : Divyang)	D	Free talks	The learner- <ul style="list-style-type: none"> <li>• Will be able to understand the concept of disability and types of disability.</li> <li>• Will be able to explain inclusion in physical education.</li> </ul>
AUGUST	22	UNIT 5: Physical fitness, Wellness and Lifestyle.	E	PPTs & free talks.	The learner- Will be able to understand the importance of balanced diet and exercise and to develop personal fitness plan.
<b>HALF YEARLY EXAMINATION - (02.09.2026 TO 16.09.2026)</b>					
SEPTEMBER	25	UNIT 6: Tests, Measurement and Evaluation.	F	PPTs & free talks.	The learner- <ul style="list-style-type: none"> <li>• Will be able to define test, measurement and evaluation in sports.</li> <li>• Identify various physical fitness tests.</li> </ul>
OCTOBER	18	UNIT 7: Fundamentals of Anatomy and Physiology in sports.	G	PPTs & free talks.	The learner- <ul style="list-style-type: none"> <li>• Will be able to identify major bones, muscles and joints.</li> <li>• Explain the effect of exercise on body systems.</li> </ul>
NOVEMBER	19	UNIT 8: Fundamentals of Kinesiology and Biomechanics in spots.	H	PPTs & free talks.	The learner will be able to- Understand basic concepts of movement and motion.

					Improve performance through correct body mechanics.
DECEMBER	21	UNIT 9: Psychology and Sport.	I	PPTs	The learner will be able to- Understand motivation and personality and anxiety in sports.
<b>PT-3(22.12.26 To 24.12.26)</b>					
<b>PT-3(05.01.27 To 07.01.27)</b>					
JANUARY	21	UNIT 10: Training and Doping in sports.	J	PPTs & free talks.	The learner will be able to- Understand principles of sports training. Define doping and banned substances.
FEBRUARY	23	Revision	---	----	----
<b>ANNUAL EXAMINATION (15.02.27 TO 26.02.27)</b>					
MARCH	23	----	--	---	---

PORTION FOR PT1 : SL.NO. A, B, C  
 PORTION FOR HALF YEARLY : SL.NO. A, B, C, D, E  
 EXAMINATION : SL.NO F, G, H, I  
 PORTION FOR PT3 : SL NO. A TO J (ENTIRE SYLLABUS) AS  
 PORTION FOR ANNUAL EXAM PER CBSE CURRICULUM

**ACTIVITIES AS PER RECOMMENDATIONS OF NEP-2020/NCF/NCRF**

**SUBJECT: PHYSICAL EDUCATION**

MONTH	W.D.	ACTIVITY	LEARNING OUTCOMES
APRIL	22	SAI KHELO INDIA PHYSICAL FITNESS TEST: 50 mt dash, shuttle-run, chess, carrom.	The learner - Develops neuromuscular co-ordination and motor skills development.
MAY	12	SAI KHELO INDIA PHYSICAL FITNESS TEST: Push-ups(Boys), Modified push-ups(Girls), Yoga, Kho-Kho, Volleyball.	The learner- Develops physical fitness components.
JUNE	14	SAI KHELO INDIA PHYSICAL FITNESS TEST: Partial curl-up; Standing broad jump.	The learner- Develops physical fitness components.
JULY	26	Athletics- Running, Stretching exercises, Team game- Football, Basketball.	The learner- Develops skills of various games.
AUGUST	22	Athletics- running, stretching exercises, volleyball, football and basketball.	The learner- Develop skills of various games.
SEPTEMBER	25	Athletics- Running exercises, Badminton, Football, Volleyball and Basketball.	The learner- Develops team spirit, teamwork, leadership qualities.
OCTOBER	18	Athletics Standing broad jump Kho-Kho, Basketball.	The learner- Develop stress management skills.
NOVEMBER	19	Athletics –Running, Stretching exercises, Cricket.	The learner- Develops interest in exercise.
DECEMBER	21	Athletics- Long jump, Warm up and Cool down, Football, Cricket.	The learner - Develops Self Mastery discipline.
JANUARY	21	Athletics –Running, Stretching exercises, Cricket.	The learner - Develops Self Mastery discipline.
FEBRUARY	23	---	----
MARCH	23	----	---

**SUBJECT: PHYSICAL EDUCATION PRACTICAL****TEXT BOOK:**

HEALTH AND PHYSICAL EDUCATION PRACTICAL WORKBOOK (DN PUBLICATION)

MONTH	W. D.	COURSE CONTENT	SL. NO.	LEARNING OUTCOMES
APRIL	22	PHYSICAL FITNESS TEST: SAI KHELO INDIA TEST BROCKPORT PHYSICAL FITNESS TEST (BPFT)	A	The learner – Will be able to understand the purpose and objectives of the Khelo India Fitness assessment.
MAY	12	600 mt Run/Walk, 50 mt dash Push up (Boys) and modified push ups (Girls).	B	The learner- Will be able to perform test items correctly.
JUNE	14	Seat and reach test, Flamingo balance test, Plate tapping taste.	C	The learner- Will be able to understand the concept of adopted physical Fitness Testing.
JULY	26	600 mt Run/Walk, 50 mt dash, Standing broad jump.	D	The learner- Will be able to perform test items correctly.
AUGUST	22	Describe changing trends in sports in terms of change in playing surface, wearable gears and sports equipment.	E	The learner- Will be able to know about different playing surface.
<b>HALF YEARLY - 24.08.2026 TO 29.08.2026</b>				
SEPTEMBER	25	Practise Asana- <i>Vajrasana, Tadasana, Padamasana, Chakraasana, Halasana, Bhujangasana.</i>	F	The learner- Will be able to know benefits of yoga for physical and mental health.
OCTOBER	18	Practise Asana- <i>Halasana, Trikonasana, Dhanurasna, Ustrasana, Bhujangasana etc.</i>	G	The learner- Will be able to understand the role of yoga in stress management And lifestyle diseases.
NOVEMBER	19	Anyone game of your choice Out of the list given- Football, Cricket, Basketball, Volleyball, Badminton Kho-Kho, Kabaddi.	H	The learner- Will be able to understand basic rules and skills of major games.
DECEMBER	21	Anyone game of your choice Out of the list given- Cricket, Basketball, Volleyball.	I	The learner - Will be able to develop teamwork, leadership quality and cooperation.

JANUARY	21	Labelled diagram of field and equipment (Rules, terminology and skills).	J	The learner - Will be able to understand the importance of markings In conducting fair play and Competitions.
FEBRUARY	23	---	---	----
<b>ANNUAL EXAMINATION - 04.02.2027 TO 09.02.2027</b>				
MARCH	23	----	--	---



**SUBJECT-PHYSICAL ACTIVITY TRAINER SUBJECT CODE 845 (TH)**

TEXT BOOK: A TEXT BOOK OF PHYSICAL ACTIVITY TRAINER ( KATSON)

MONTH	W.D.	COURSE CONTENT	SL . NO.	ART INTEGRATED ACTIVITY	LEARNING OUTCOMES
APRIL	22	Subject Specific Skills Unit-1 Role of Physical Education in child Development	A	PPT	The learner will Identify the physical and emotional needs and will create different levels of play activity planning for different groups of children.
MAY	12	Employability Skills Unit-1 Communication skills - III	B	PPT	The learner will understand and apply knowledge of human communication and language processes as they occur across various contexts.
JUNE	14	Employability Skill Unit-2 Self - management Skills-III	C	PPT	The learner will understand what is self-awareness, self-motivation & self-regulation.
<b>PT- 1 : 24-06-26 To 03-07-26</b>					
JULY	26	Subject Specific Skills Unit -2 Props and Equipment	D	PPT	The learner will Identify the various factors that need to be considered while selecting props and equipment.
AUGUST	22	Employability Skills Unit-3 Information and Communication Technology Skills -III	E	PPT	The learner will develop proficiency in accessing, creating, and transmitting information effectively, while ensuring digital safety, ethical use of technology, and strong interpersonal communication.
<b>Half Yearly Examination 02-09-26 To 16-09-26</b>					
SEPTEMBER	24	Subject Specific Skills Unit -3 Hygiene and Safety	F	PPT	The learner will Identify the steps required in maintenance of hygiene in play area and will demonstrate the knowledge of basic First Aid.
OCTOBER	16	Employability Skills Unit -4 Entrepreneurial Skills III	G	PPT	The learner will understand the basic concept of computers and its working.
NOVEMBER	22	Subject Specific Skills Unit 4 Sports and Fitness	H	PPT	The learner will differentiate between Physical Activity, Games, Sports & Recreation.
DECEMBER	21	Subject Specific Skills	I	PPT	The learner will describe the

		Unit 4. Sports and Fitness			importance of life skills in sports.
<b>PT-3: 22-12-2026 TO 24-12-2026</b>					
<b>PT-3: 06-01-2027 TO 08-01-2027</b>					
JANUARY	23	Employability Skills Unit -5 Green Skills -III	J	PPT	The learner will understand how to keep our environment clean.
FEBRUARY	24	Revision & Annual Examination		-----	.....
<b>ANNUAL EXAMINATION: 15-02-2027 TO 27-02-2027</b>					
MARCH	23	-----	---	----	.....
<p><b>PORTION FOR PT-1 : SL. NO. A, B &amp; C</b></p> <p><b>PORTION FOR HALF YEARLY EXAM : SL. NO. A TO E</b></p> <p><b>PORTION FOR PT-3 : SL. NO. F G H &amp; I</b></p> <p><b>PORTION FOR ANNUAL EXAM : SL. NO. A TO J (ENTIRE SYLLABUS)</b></p> <p><b>AS PER CBSE CURRICULUM</b></p>					

**SUBJECT-PHYSICAL ACTIVITY TRAINER (PRACTICAL)**

MONTH	W.D.	COURSE CONTENT	ART INTEGRATED ACTIVITY	LEARNING OUTCOMES
APRIL	22	Preparation of chart on health triangle	PPT	The learner will identify the physical and emotional needs of the children.
MAY	12	Group discussion on how behavioural factors influence physical activity	PPT	The learner will identify factors influencing physical activities.
JUNE	14	Preparation of lesson plans for various physical activities	PPT	The learner will create different levels of physical activities planning for children.
JULY	26	Preparation of poster of props and equipment	PPT	The learner will identify the various factors that needs to be considered while selecting props and equipment.
AUGUST	22	List the steps of maintaining hygiene at playground	PPT	The learner will identify the reasons affecting the playground and hygiene condition.
<b>HALF YEARLY PRACTICAL EXAMINATION: 24-08-2026 TO 29-08-2026</b>				
SEPTEMBER	24	Preparing a poster on First Aid principles	PPT	The learner will demonstrate the knowledge of basic first aid practices.
OCTOBER	16	Preparation of flowchart on the sequential steps of CPR	PPT	The learner will gain the knowledge of the steps of CPR.
NOVEMBER	22	Preparation of chart for selection of students for competition	PPT	The learner will describe the criteria for selecting yearly sports activities and students for competition.
DECEMBER	21	Preparation of chart for describing the various aspects of organising tournament	PPT	The learner will gain knowledge on various aspects of organising tournament..
JANUARY	23	List down the important point to be kept in mind before beginning any physical activities	PPT	The learner will gain knowledge about the importance of fitness sessions.
FEBRUARY	24	Annual Examination		.....
<b>ANNUAL EXAMINATION: 04-02-2027 TO 09-02-2027</b>				
MARCH	23	-----	-----	

## SUBJECT: ACCOUNTANCY

### TEXT BOOKS:

1. FINANCIAL ACCOUNTING, PART I, NCERT
2. FINANCIAL ACCOUNTING, PART II, NCERT

### REFERENCE BOOK:

1. ACCOUNTANCY FOR CLASS XI; AVICHAL PUBLICATION COMPANY  
(D.K. GOEL, RAJESH GOEL, SHELLY GOEL)

MONTH	W.D.	COURSE CONTENT	SL. NO	ARTS INTEGRATED ACTIVITY	LEARNING OUTCOMES
April	22	CH 1: INTRODUCTION TO ACCOUNTING CH 2: THEORY BASE OF ACCOUNTING	A	DEMONSTRATION AND INTERPRETATION	The learner: Identifies the individuals and entities that use accounting information for securing their needs of decisions making. Give examples of terms like business transaction, liabilities, assets, expenditure and purchase
May	12	CH 3: Recording of Transaction I	B	ACCOUNTING CHART AND DIAGRAMS	The learner: Identifies the meaning of fundamental accounting, assumption and their relevance in accounting
June	14	CH 4: Recording of Transaction II	C	ACCOUNTING CHART AND DIAGRAMS	The learner: Explains the effect of a transaction on the asset, liabilities, capital revenue and expenses Explain the importance of cash book
<b>PT 1 (24-06-26 TO 03-07-26)</b>					
July	26	Ch 5: BANK RECONCILIATION STATEMENT	D	GRAPHICAL REPRESENTATION AND INTERPRETATION	The learner: Develops understanding of preparing Bank Reconciliation Statement
August	22	Ch 6: TRIAL BALANCE & RECTIFICATION OF ERROR	E	ANALYSING THROUGH ACCOUNTING FORMATS	The learner: Understands the meaning of different types of error and their effects on their Trial Balance
<b>HALF YEARLY EXAM (02-09-26 TO 16-09-26)</b>					
September	25	CH 7: DEPRECIATION AND PROVISION & RESERVE	F	ANALYSING THROUGH ACCOUNTING FORMATS	The learner – Understands the meaning of different type of methods of depreciation
October	18	CH 8: Financial STATEMENT I	G	COLLECTION OF DATA FROM EXISTING BUSINESS	The learner – Understands the purpose of preparing financial statements

November	19	CH 8: Financial STATEMENT I	H	COLLECTION OF DATA FROM EXISTING BUSINESS	The learner – Understands the technical of grouping and marshaling of assets and liabilities
December	21	CH 9: Financial STATEMENT II	I	USING FORMATES AND CHARTS FOR INTERPRETATION	The learner – Explains the need of preparing the Balance Sheet
<b>PT 3 (22-12-26 TO 24-12-26)</b>					
<b>PT 3 (05-01-27 TO 07-01-27)</b>					
January	21	CH 9: Financial STATEMENT II PROJECT WORK	J	USING FORMATES AND CHARTS FOR INTERPRETATION	The learner – Develops the skills of preparation of Trading and Profit & Loss Account and Balance Sheet
February	23	REVISION	----	----	-----
<b>ANNUAL EXAMINATION (15.02.27 TO 26.02.27)</b>					
March	23	-----	----	-----	-----

**PORTION FOR PT 1:**

**SL. NO A, B, C**

**PORTION FOR HALF-YEARLY EXAM:**

**SL. NO A TO E**

**PORTION FOR PT 3:**

**SL. NO F, G, H, I**

**PORTION FOR ANNUAL EXAMINATION:**

**SL. NO A TO J (ENTIRE SYLLABUS) (CBSE CURRICULUM)**

**ACTIVITIES AS PER RECOMMENDATIONS OF NEP, 2020, NCF & NCrf****SUBJECT: ACCOUNTANCY**

MONTH	WD	ACTIVITY	LEARNING OUTCOMES
April	22	Making of flash cards	The learner – Describes various key points of accounting and its concepts and conventions
May	12	Collection of business transactions from local shops	The learner – Understands the concept of transactions and relate it with real world
June	14	Collection of business transactions from multiple shops	The learner – Develops the skill of recording transactions and analyzing
July	26	Arranging of pass book and matching transaction with cash book	The learner – Analyses the deviation of not matching of cash book and pass book
August	22	Making of flash cards	The learner – Acknowledges the facts of charging depreciation
September	25	Making a record of assets around them and analyse the book value and market value	The learner – Understands more about depreciation
October	18	Create bingo cards and play games	The learner – Understands various accounting terms
November	19	Make group of students and assign them to collect information related to financial statement and recording them accordingly	The learner – Explains the effects of a transactions (increase or decrease) on the assets, liabilities, capital, revenue and expenses
December	21	Arranging of group discussion and make bingo cards.	The learner: Develops the understanding the concepts on financial statements
January	21	Making of projects on a particular business organisation by preparing journal, ledger, trial balance and financial statements	The learner: Develops an idea about various topics of accounting
February	23	-----	-----
March	23	-----	-----

## SUBJECT: ECONOMICS

### TEXT BOOKS:

1. STATISTICS FOR ECONOMICS, NCERT
2. INTRODUCTORY MICRO ECONOMICS, NCERT

### REFERENCE BOOK:

1. STATISTICS FOR ECONOMICS, T.R. JAIN AND V.K. OHRI
2. INTRODUCTORY MICRO ECONOMICS, T.R. JAIN AND V.K. OHRI

MONTH	W. D.	T. D.	COURSE CONTENT	SL. NO	ARTS INTEGRATED ACTIVITY	LEARNING OUTCOMES
April	22	19	STATISTICS FOR ECONOMICS UNIT: INTRODUCTION UNIT: COLLECTION, ORGANISATION AND PRESENTATION OF DATA CH: COLLECTION OF DATA CH: ORGANISATION OF DATA	A	DESIGNING CREATIVE SURVEY FORMS WITH ILLUSTRATION	The learner: Understands the meaning, scope and importance of statics in Economic, analyses and decision making Collects, classified and evaluator primary and secondary data using appropriate statistical methods Organises raw data into frequency distribution table for systematic analysis
May	12	10	MICRO ECONOMICS UNIT: INTRODUCTION STATISTICS FOR ECONOMICS UNIT: COLLECTION, ORGANISATION AND PRESENTATION OF DATA CH: PRESENTATION OF DATA (PART OF IT)	B	POSTER MAKING ON 'PROBLEM OF CHOICE AND SCARCITY' USING DIAGRAMS AND SYMBOL	The learner: Presents statistical data using suitable diagrams and graphs for better interpretation.
June	14	11	STATISTICS FOR ECONOMICS UNIT: COLLECTION, ORGANISATION AND PRESENTATION OF DATA. CH: PRESENTATION OF DATA (TO BE COMPLETED)	C	DRAWING BAR DIAGRAM, PIE CHARTS AND HISTOGRAMS CREATIVELY.	The learner: Analyses and interprets data related to various issues/events related to the Indian Economy.
<b>PT 1 (24-06-26 TO 03-07-26)</b>						
July	26	23	MICRO ECONOMICS UNIT: CONSUMER'S EQUILIBRIUM AND DEMAND. CH: CONSUMER'S EQUILIBRIUM CH: DEMAND AND ELASTICITY OF DEMAND.	D	COMIC STRIPS SHOWING EFFECT OF PRICE CHANGE ON DEMAND OF DAILY GOODS.	The learner: Explains consumer behaviour and analyses conditions of consumer equilibrium using utility and indifferent curve approach. Examines factors affecting demand and measures elasticity of demand to understand consumers responsiveness to price changes.

August	22	20	STATISTICS FOR ECONOMICS UNIT: STATISTICAL TOOLS AND INTERPRETATION. CH: MEASURES OF CENTRAL TENDENCY. (ARITHMETIC MEAN, MEDIAN AND MODE.	E	NUMERICALS AND PPT MAKING BY STUDENTS GROUPWISE ON THE CHAPTER MEASURES OF CENTRAL TENDENCY. (ARITHMETIC MEAN)	The learner: Computes and interprets mean, median and mode to represent data meaningfully.
<b>HALF YEARLY EXAMINATION (02-09-26 TO 16-09-26)</b>						
September	25	20	MICRO ECONOMICS UNIT: PRODUCER'S BEHAVIOUR AND SUPPLY CH: PRODUCTION FUNCTION CH: COST	F	FLOW CHART WITH ILLUSTRATIONS SHOWING STAGES OF PRODUCTION.	The learner – Explains the technical relationship between inputs and output and identifies different stages of production. Analyses cost concepts and explain their role in determining profits and output levels
October	18	16	MICRO ECONOMICS UNIT: PRODUCER'S BEHAVIOUR AND SUPPLY CH: PRODUCER'S EQUILIBRIUM	G	DIAGRAMMATIC PRESENTATION OF MARGINAL COST AND MARGINAL REVENUE CURVES	The learner – Understands the concept of production and role of factors of production Analyses revenue curves using simple numerical examples and diagram Explains producer's equilibrium using the MR-MC approach
November	19	16	STATISTICS FOR ECONOMICS UNIT: STATISTICAL TOOLS AND INTERPRETATION CH: CORRELATION, MICRO ECONOMICS UNIT: PRODUCER'S BEHAVIOUR AND SUPPLY CH: SUPPLY AND ELASTICITY OF SUPPLY	H	SCATTER DIAGRAM DRAWN WITH CREATIVE SYMBOLS, SHOWING POSITIVE AND NEGATIVE CORRELATION	The learner – Applies correlation to analyse economic relationships Understands the concept of supply and stock Distinguishes between change in quantity supplied and change in supply Applies elasticity of supply in real life economic situation
December	21	18	MICRO ECONOMICS UNIT: FORMS OF MARKET AND PRICE DETERMINATION UNDER PERFECT COMPETITION WITH SIMPLE APPLICATION CH: FORMS OF MARKET, PERFECT COMPETITION CH: MARKET EQUILIBRIUM UNDER PERFECT COMPETITION AND EFFECTS IF SHIFTS IN DEMAND AND SUPPLY	I	COLLAGE SHOWING EXAMPLES OF PERFECT COMPETITION MARKET	The learner – Understands the meaning of market and market structure Analyses equilibrium price with the help of simple schedules and diagrams

**PT 3 (22-12-26 TO 24-12-26)**

**PT 3 (05-04-27 TO 07-01-27)**

January	21	18	STATISTICS FOR ECONOMICS UNIT: STATISTICAL TOOLS AND INTERPRETATION CH: INDEX NUMBER	J	POSTER DEPICTING PRICE INDEX AND COST OF LIVING INDEX WITH ILLUSTRATION	The learner – Understands the meaning and usefulness of Index Number Interprets Index Number to analyse changes in price and cost of living Applies Index Number to real life economic situation
February	23	18	REVISION	----	----	-----
<b>ANNUAL EXAMINATION (15.02.27 TO 26.02.27)</b>						
March	23	---	-----	----	-----	-----

**PORTION FOR PT 1:**

**SL. NO A, B, C**

**PORTION FOR HALF-YEARLY EXAM:**

**SL. NO A TO E**

**PORTION FOR PT 3:**

**SL. NO F, G, H, I**

**PORTION FOR ANNUAL EXAMINATION:**

**SL. NO A TO J (ENTIRE SYLLABUS) (CBSE CURRICULUM)**

## ACTIVITIES AS PER RECOMMENDATIONS OF NEP, 2020, NCF & NCrf

### SUBJECT: ECONOMICS

MONTH	WD	ACTIVITY	LEARNING OUTCOMES
April	22	Statistics for Economics CH: Introduction to Statistics Activity: Survey based activity to identify variable and data types from school environmental	The learner – Understands the importance of statistics and classify different type of data
May	12	Micro Economics CH: Consumer's equilibrium and demand Activity: Role play and diagrammatic presentation of Consumer equilibrium using indifferent curves	The learner – Analyses consumer behaviour and applies the concept of equilibrium under different situation
June	14	Statistics for Economics CH: Collection of data Activity: Conducting a primary data survey on students' study hours using questionnaires	The learner – Collect , classifies and evaluates primary and secondary data source
July	26	Micro Economics CH: Elasticity of demand Activity: Case study analysis of price changes of daily commodities and its effect on demand	The learner – Calculates and interprets elasticity of demand and understand its practical application
August	22	Statistics for Economics CH: Measures of central tendency Activity: Finding out the mean height and weight of entire class XI (Commerce)	The learner: Describes the meaning of A.M. and different ways of calculating Arithmetic Mean
September	25	Micro Economics CH: Production function and return to scale Activity: Using imaginary firm data to identify stages of production through charts	The learner: Explains production concepts and differentiate between short run and long run returns.
October	18	Micro Economics CH: Cost and revenue Activity: Preparation of cost and revenue schedule and drawing curves in groups	The learner – Derives cost and revenue curves and interpret profit maximisation conditions
November	19	Statistics for Economics CH: Correlation Activity: Collection of data on hours of study and marks obtain by classmates,	The learner: Understands the concepts of correlation, interpret the nature and strength of relationship between variables and apply

		prepare a scatter diagram and identify the type and degree of correlation between two variables	correlation, analyses to real life economic situation
December	21	Micro Economics CH: Market equilibrium and forms of market Activity: Comparative chart preparation on different market forms with examples from local markets	The learner: Compares market structure and analyses the price determination under perfect competition
January	21	Statistics for Economics CH: Index number Activity: Class test by giving assignment	The learner: Plays a significant role in the teaching learning process
February	23	-----	-----
March	23	-----	-----

## SUBJECT - INFORMATION TECHNOLOGY

TEXT BOOK: INFORMATION TECHNOLOGY – PREETI SAXENA -XI

MONTH	W D	COURSE CONTENT	SL. NO.	ARTS INTEGRATED ACTIVITY	LEARNING OUTCOMES
APRIL	22	PART B: UNIT-3: OFFICE AUTOMATION TOOLS  PART A: UNIT-1: COMMUNICATION SKILLS-III	A	PPT on Writer documents	The learner: <ul style="list-style-type: none"> <li>• Understands various functions of Open Office.org Writer</li> </ul>
MAY	12	PART A: UNIT-1: COMMUNICATION SKILLS-III  PART A: UNIT-2: SELF- MANAGEMENT SKILLS-III	B	PPT on Writer documents based on communication skills.	The learner: <ul style="list-style-type: none"> <li>• Understands and apply knowledge of human communication and language processes as they occur across various contexts.</li> </ul>
JUNE	14	PART A: UNIT-2: SELF- MANAGEMENT SKILLS-III	C	PPT on Writer documents based on self- management skills.	The learner: <ul style="list-style-type: none"> <li>• Understands what is self-awareness, self-motivation, self-regulation.</li> </ul>
<b>PT-1: 24-06-2026 TO 03-07-2026</b>					
JULY	26	PART B: UNIT-4: RDBMS	D	PPT on SQL commands and queries.	The learner: <ul style="list-style-type: none"> <li>• executes SQL commands to create tables and indexes, insert/update/delete data, and query data in a relational DBMS.</li> </ul>
AUGUST	22	PART B: UNIT -1: COMPUTER ORGANIZATION	E	PPT on Computer Organization	The learner: <ul style="list-style-type: none"> <li>• Understands computing devices and storage devices.</li> <li>• Understands the concept of networking devices and its functions.</li> </ul>
<b>HALF YEARLY EXAMINATION: 02-09-2026 TO 16-09-2026</b>					
SEPTEMBER	25	PART B: UNIT -2: NETWORKING AND INTERNET  PART A: UNIT 3: ICT SKILLS- III	F	PPT on Networking and Internet.	The learner: <ul style="list-style-type: none"> <li>• Understands the concept of networking devices and its functions</li> </ul>

<b>OCTOBER</b>	18	PART A: UNIT 3: ICT SKILLS-III  PART A: UNIT 4: ENTREPRENEURIAL SKILLS-III	<b>G</b>	PPT on ICT Skills-III & Entrepreneurial Skills-III	The learner: • Understands the basic concept of computers and its working.
<b>NOVEMBER</b>	19	PART B: UNIT-5: FUNDAMENTALS OF JAVA	<b>H</b>	PPT on JAVA Fundamentals	The learner: • Uses an integrated development environment to write, compile, run, and test simple Java programs.
<b>DECEMBER</b>	21	PART B: UNIT-5: FUNDAMENTALS OF JAVA PROGRAMMING	<b>I</b>		The learner: Understands the functionalities of an entrepreneur.
<b>PT-3: 22-12-2026 TO 24-12-2026</b>					
<b>PT-3: 05-01-2027 TO 07-01-2027</b>					
<b>JANUARY</b>	21	PART A: UNIT 5: GREEN SKILLS-III	<b>J</b>	PPT on Green Skills-III	The learner: Understands how to keep our environment clean
<b>FEBRUARY</b>	23		----	----	----
<b>ANNUAL EXAMINATION: 15-02-2027 TO 26-02-2027</b>					
<b>MARCH</b>	23	-----	----	----	----

PORTION FOR PT-1 : SL. NO. A, B, C  
 PORTION FOR HALF YEARLY EXAM : SL. NO. A TO E  
 PORTION FOR PT-3 : SL. NO. F TO I  
 PORTION FOR ANNUAL EXAM : SL. NO. A TO J (ENTIRE SYLLABUS)  
 AS PER CBSE CURRICULUM

**ACTIVITIES AS PER RECOMMENDATIONS OF NEP - 2020/ NCF / NCrF  
INFORMATION TECHNOLOGY**

MONTH	W.D	ACTIVITIES	LEARNING OUTCOMES
APRIL	22	<p><b>Laboratory Work:</b> Hands On Experience :</p> <ol style="list-style-type: none"> <li>1. Create a document in Open Office .org Writer on the topic “Pros and Cons of Written Communication” using header and footer.</li> <li>2. Create a poster in open office .org writer on the topic “Verbal Communication” using images.</li> </ol>	<p>The learner: Creates Writer documents and posters using various writer formatting features.</p>
MAY	12	<p><b>Laboratory Work:</b> Hands On Experience –</p> <ol style="list-style-type: none"> <li>1. Create a poster in Open Office .org Impress on the topic “Written Communication” using images.</li> <li>2. Create a poster in Open Office .org Impress on the topic “Different Types of Feedback” using images.</li> </ol>	<p>The learner: Creates posters in Impress using various Impress formatting features.</p>
JUNE	14	<p><b>Laboratory Work:</b> Hands On Experience –</p> <ol style="list-style-type: none"> <li>1. Create a <b>PRODUCT</b> table in open office .org calc with the following fields: P_ID, P_NAME, P_CP, P_SP, PROFIT. Enter any 5 records and calculate the profit using formulas. Also, calculate the maximum profit and loss using functions.</li> </ol>	<p>The learner: Creates tables in calc and can do calculations using formulas and functions.</p>
JULY	26	<p><b>Laboratory Work:</b> Hands On Experience –</p> <ol style="list-style-type: none"> <li>1. Write SQL commands to create a BOOK table with the following fields: B_ID, B_NAME, AUTHOR, PUBLISHER, B_PRICE and insert any five records. (S_ADMNO should be a Primary Key field) After creating the table, write the SQL query to display the whole table.</li> <li>2. Write SQL commands to create a STUDENT table with the following fields: S_ADMNO, S_ROLLNO, S_NAME, S_CLASS, S_ADDRESS and insert any five records. (S_ADMNO should be a Primary Key field and S_ROLLNO should be a Unique Key field) After creating the table, write the SQL query to display the whole table.</li> </ol>	<p>The learner: Creates tables in mysql using constraints.</p>

<b>AUGUST</b>	22	<b>Laboratory Work:</b> Hands On Experience – <ol style="list-style-type: none"> <li>1. Design a presentation on “Global Warming” in open office .org impress using custom animation and slide transition.</li> </ol>	The learner: Designs presentations using open office .org Impress with various formatting features, custom animation and slide transition.
<b>SEPTEMBER</b>	25	<b>Laboratory Work:</b> Hands On Experience – <ol style="list-style-type: none"> <li>1. Design a presentation on “Deforestation and its effects” in open office .org impress using custom animation and slide transition.</li> <li>2. Design a presentation on “Digital Footprints” in open office .org Impress using custom animation and slide transition.</li> </ol>	
<b>OCTOBER</b>	18	<b>Laboratory Work:</b> Hands On Experience – <ol style="list-style-type: none"> <li>1. Design a presentation on “Networks and its Types” in open office .org impress using custom animation and slide transition.</li> <li>2. Design a presentation on “Topology and types of topology” in open office .org impress using custom animation and slide transition.</li> </ol>	
<b>NOVEMBER</b>	19	<b>Laboratory Work:</b> Hands On Experience – <ol style="list-style-type: none"> <li>1. Write a program in java to calculate the addition and subtraction of any two numbers. (Using GUI interface)</li> <li>2. Write a program in java to calculate the square and cube of a number. (Using GUI interface)</li> </ol>	The learner: Designs GUI interface using Java Netbeans and can write simple Java programming codes.
<b>DECEMBER</b>	21	<b>Laboratory Work:</b> Hands On Experience – <ol style="list-style-type: none"> <li>1. Write a program in java to check whether a number is even or odd. (Using GUI interface)</li> </ol>	
<b>JANUARY</b>	21	<b>Laboratory Work:</b> Hands On Experience – <ol style="list-style-type: none"> <li>1. Write a program in java to convert the temperature in Celsius to Fahrenheit where <math>^{\circ}\text{C} \times 9/5 + 32 = ^{\circ}\text{F}</math> (Using GUI interface)</li> </ol>	
<b>FEBRUARY</b>	23	-----	
<b>MARCH</b>	23	-----	

## SUBJECT- INFORMATION TECHNOLOGY PRACTICAL

TEXT BOOK: INFORMATION TECHNOLOGY – PREETI SAXENA -XI

Month	W.D.	COURSE CONTENT	LEARNING OUTCOMES																		
April	22	<p><b>PR 1:</b> Create a document in open office .org writer on the topic “Pros And Cons Of Written Communication” using header and footer.</p> <p><b>PR 2:</b> Create a poster in open office .org writer on the topic “Verbal Communication” using images.</p>	<p>The learner:</p> <ul style="list-style-type: none"> <li>• USES WRITER FORMATTING FEATURES</li> <li>• CREATES TABLES IN CALC AND CAN DO CALCULATIONS USING FORMULAS AND FUNCTIONS.</li> </ul>																		
May	12	<p><b>PR 3:</b> Create a <b>STUDENT</b> table in open office .org calc with the following fields: S_ROLLNO, S_NAME, ENG, MATHS, ACC, BST, ECO, IT, TOTAL, PERCENTAGE.</p> <p>Enter any 5 records and calculate the Total and Percentage using formulas.</p>																			
June	14	<p><b>PR 4:</b> Create a <b>PRODUCT</b> table in open office .org calc with the following fields: P_ID, P_NAME, P_CP, P_SP, PROFIT.</p> <p>Enter any 5 records and calculate the profit using formulas.</p> <p>Also, calculate the maximum profit and loss using functions.</p>																			
July	26	<p><b>PR 5:</b> Write SQL commands to create a BOOK table with the following fields: B_ID, B_NAME, AUTHOR, PUBLISHER, B_PRICE and insert any five records.</p> <p>(S_ADMNO should be a Primary Key field)</p> <p>After creating the table, write the SQL query to display the whole table.</p> <p><b>PR 6:</b> Write SQL commands to create a STUDENT table with the following fields: S_ADMNO, S_ROLLNO, S_NAME, S_CLASS, S_ADDRESS and insert any five records. (S_ADMNO should be a Primary Key field and S_ROLLNO should be a Unique Key field)</p> <p>After creating the table, write the SQL query to display the whole table.</p> <p><b>PR 7:</b> To write SQL queries based on the ITEM table. (Pg. 23 of Lab Manual).</p> <p><b>PR 8:</b> To create an SQL table named as “SPORTS” with the following specifications:</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th style="text-align: center;">Field name</th> <th style="text-align: center;">Data type</th> <th style="text-align: center;">Constraint</th> </tr> </thead> <tbody> <tr> <td>Sport_id</td> <td>Int</td> <td>Primary key</td> </tr> <tr> <td>Sport_name</td> <td>Varchar (25)</td> <td></td> </tr> <tr> <td>No_of_players</td> <td>Int</td> <td>Not NULL</td> </tr> <tr> <td>Sports_Fees</td> <td>Float (9,2)</td> <td></td> </tr> <tr> <td>Date_of_Event</td> <td>Date</td> <td></td> </tr> </tbody> </table>	Field name	Data type	Constraint	Sport_id	Int	Primary key	Sport_name	Varchar (25)		No_of_players	Int	Not NULL	Sports_Fees	Float (9,2)		Date_of_Event	Date		<p>The learner:</p> <ul style="list-style-type: none"> <li>• UNDERSTANDS SIMPLE SQL COMMANDS</li> <li>• USES OF CHARTS IN CALC</li> </ul>
Field name	Data type	Constraint																			
Sport_id	Int	Primary key																			
Sport_name	Varchar (25)																				
No_of_players	Int	Not NULL																			
Sports_Fees	Float (9,2)																				
Date_of_Event	Date																				

		<p>After creating the table, write the SQL query to display the whole table.</p> <p><b>PR 9:</b> Create an “EMPLOYEE table” in open office .org calc with the following fields: E_ID, E_NAME, E_PERFORMANCE_RATE.</p> <p>Insert any five records and display it graphically using Column Chart.</p> <p><b>PR 10:</b> Create an “PRODUCT table” in open office .org calc with the following fields: P_ID, P_NAME, P_SALE_PERCENTAGE.</p> <p>Insert any five records and display it graphically using Bar Chart.</p>	
<b>August</b>	22	<p><b>PR 11:</b> Design a presentation on “Global Warming” in open office .org impress using custom animation and slide transition.</p>	<p>The learner:</p> <ul style="list-style-type: none"> <li>LEARNS TO MAKE PRESENTATION</li> </ul>
<b>HALF YEARLY PRACTICAL EXAMINATION: 24-08-2026 TO 29-08-2026</b>			
<b>September</b>	25	<p><b>PR 12:</b> Design a presentation on “Deforestation and its effects” in open office .org impress using custom animation and slide transition.</p> <p><b>PR 13:</b> Design a presentation on “Digital Footprints” in open office .org impress using custom animation and slide transition.</p>	<p>The learner:</p> <ul style="list-style-type: none"> <li>LEARNS TO MAKE PRESENTATION</li> </ul>
<b>October</b>	18	<p><b>PR 14:</b> Design a presentation on “Networks and its Types” in open office .org impress using custom animation and slide transition.</p> <p><b>PR 15:</b> Design a presentation on “Topology and types of topology” in open office .org impress using custom animation and slide transition.</p>	
<b>November</b>	19	<p><b>PR 16:</b> Write a program in java to calculate the addition and subtraction of any two numbers. (Using GUI interface)</p> <p><b>PR 17:</b> Write a program in java to calculate the square and cube of a number. (Using GUI interface)</p> <p><b>PR 18:</b> Write a program in java to find the area and perimeter of a rectangle. (Using GUI interface)</p>	<p>The learner:</p> <ul style="list-style-type: none"> <li>UNDERSTANDS SIMPLE CONCEPTS OF JAVA PROGRAMMING</li> </ul>
<b>December</b>	21	<p><b>PR 19:</b> Write a program in java to convert the temperature in Celsius to Fahrenheit where <math>^{\circ}\text{C} \times 9/5 + 32 = ^{\circ}\text{F}</math></p> <p>(Using GUI interface)</p>	
<b>January</b>	21	<p><b>PR 20:</b> Write a program in java to check whether a number is even or odd. (Using GUI interface)</p>	
<b>February</b>	23	-----	-----
<b>ANNUAL EXAMINATION: 04-02-2027 TO 09-02-2027</b>			
<b>March</b>	23	-----	-----

**SUBJECT: HPE- S-1 (GAMES / SPORTS)**

MONTH	W.D.	COURSE CONTENT	SL. NO.	ARTS INTEGRATED ACTIVITY	LEARNING OUTCOMES
APRIL	22	Athletics – Running Team Game – Kabaddi Warm-up and cool down drills	A	PPTS	The learner understands the importance of regular physical activity.
MAY	12	Athletics – Long Jump Team Game – Basketball, 50 mts. sprint, practice Shuttle run activity	B	PPTS	The learner identifies components of physical fitness (strength, endurance, flexibility, speed).
JUNE	14	Athletics – Standing Broad Jump Team Game – Football	C	PPTS	The learner develops self-confidence and a positive self-image.
JULY	26	Athletics – Running Team Game – Football Shuttle run activity	D	PPTS	The learner shows teamwork, cooperation, and leadership during activities.
AUGUST	22	Athletics – Running, Stretching Warm-up and cool-down drills Team Game – Volleyball	E	PPTS	The learner follows safety rules during physical activities.
<b>HALF YEARLY EXAMINATION - 04-08-26 TO 07-08-26</b>					
SEPTEMBER	25	Team Game – Badminton	F	PPTS	The learner understands the importance of rules and regulations.
OCTOBER	18	Athletics – Running, 50 mts. sprint practice Team Game – Kho-kho	G	PPTS	The learner understands the importance of regular physical activity.
NOVEMBER	19	Athletics – Running, Stretching exercises, Warm-up and cool-down Team Game – Cricket	H	PPTS	The learner shows teamwork, cooperation and leadership qualities.

DECEMBER	21	Athletics – Running, Stretching exercises Team Game – Football	I	PPTS	The learner develops confidence and discipline.
JANUARY	21	Athletics – Running, Stretching exercises Team Game – Cricket	J		The learner develops inner qualities, self-mastery, discipline etc.
<b>ANNUAL EXAMINATION - 25-01-27 TO 29-01-27</b>					
FEBRUARY	23	Revision	---	----	----
MARCH	23	----	--	---	---



**SUBJECT: HPE S-2 (HEALTH & FITNESS)**

MONTH	W. D.	COURSE CONTENT	SL. NO.	ARTS INTEGRATED ACTIVITY	LEARNING OUTCOMES
APRIL	22	Running/Jogging- Short distance run, Jumping & hopping practice, Skipping, Freehand exercise.	A	PPTS	The learner- Develops basic loco motor skills'.
MAY	12	Freehand exercises, Callisthenics, jumping-jacks, Balance activities.	B	PPTS	The learner- Improves coordination and balance.
JUNE	14	Walking and hiking Throw and catch the ball exercises.	C	PPTS	The Learner- Develops neuromuscular coordination.
JULY	26	Walking and hiking, Practice <i>asanas</i> , Free hand exercises.	D	PPTS	The learner- develops basic loco motor skills.
AUGUST	22	Running/jogging, Stair training, Jumping jacks, Long jump practice.	E	PPTS	The learner- Develops strength of leg muscles.
<b>HALF YEARLY EXAMINATION - 04-08-26 TO 07-08-26</b>					
SEPTEMBER	25	Practise asana <i>Tadasana, Vajrang, Bhujangasana, Dhanurasana, Halasana, Padamasana</i>	F	PPTS	The learner- Develops self-confidence and positive self-image.
OCTOBER	18	Gym machine workout, Ride your bicycle outside, Practise asanas- <i>Trikonasana, Vajrasana.</i>	G	PPTS	The learner- Develops stress management through physical activity mindfulness.
NOVEMBER	19	Forward and backward jump, Practise <i>asanas- Dhanurasana, Bhujangasana</i> etc. Practise breathing exercise	H	PPTS	The learner- Develops physically mentally and emotionally fit
DECEMBER	21	Running, Stretching, Freehand exercises, Gym machine workout, Ride your bicycle.	I	PPTS	The learner- Develops coordination.
JANUARY	21	Cross country, Walking, Hiking	J	PPTS	The learner- Develops endurance.
<b>ANNUAL EXAMINATION - 25-01-27 TO 29-01-27</b>					
FEBRUARY	23	Revision	---	----	----
MARCH	23	----	--	---	---

**SUBJECT: HPE S-3 SEWA**

MONTH	W.D.	COURSE CONTENT	SL. NO.	ARTS INTEGRATED ACTIVITY	LEARNING OUTCOMES
APRIL	22	Project – “Swachh Vidyalaya” and “Swachh Bharat”	A	Project making	The learners- keeps their surroundings areas and themselves clean
MAY	12	Project- common emergencies and their management, School gardening project	B	Videos	The learners- Will be able to identify different medicinal plants with your scientific names.
JUNE	14	Cleanliness and hygiene drive	C	PPTs	The learners- Understands the importance of cleanliness.
JULY	26	Making first-aid box health awareness campaign.	D	PPTs	The learners- Develops awareness in peer group.
AUGUST	22	Community helping activity- donation drive (books / clothes)	E	PPTs	The learners- Understands value of sharing.
<b>HALF YEARLY EXAMINATION - 24-06-26</b>					
SEPTEMBER	25	Road safety awareness.	F	PPTs	The learners- Develops civic sense; understand basic traffic rules.
OCTOBER	18	Water conservation activity- Save water campaign, Awareness posters.	G	PPTs	The learners- Adopts water saving habits.
NOVEMBER	19	Disaster preparedness activity- fire drill practise, disaster safety talk.	H	PPTs	The learners- Understands emergency response steps.
DECEMBER	21	Plantation and environment awareness activity- tree plantation	I	PPTs	The learners- Shows care towards nature.
JANUARY	21	Anti-bullying and kindness week activity- role play and respect.	J	PPTs	The learners- Understands emotional safety.
<b>ANNUAL EXAMINATION - 22-12-26</b>					
FEBRUARY	23	----	---	----	----
MARCH	23	----	--	---	---

## SUBJECT: GENERAL STUDIES

MONTH	W. D.	COURSE CONTENT	LEARNING OUTCOMES
April	22	Science and Technology	<p>The learner-</p> <ul style="list-style-type: none"> <li>Analyzes the impact of scientific advancements on society and culture, including their potential benefits and drawbacks.</li> <li>Develops scientific inquiry and applies his/her knowledge and understanding of science and technology to pave way for new innovations.</li> </ul>
May	12	Science and Technology	<p>The learner-</p> <ul style="list-style-type: none"> <li>Demonstrates knowledge in the range of careers options in the field of science and technology and the skills required for those careers.</li> <li>Demonstrates understanding of environmental issues concerning the society and the role of science in addressing them, promoting sustainability and environmental conservation.</li> </ul>
June	14	Current trends in Socio-economic Structure	<p>The learner-</p> <ul style="list-style-type: none"> <li>Infers that factors such as occupation, ethnic origin, religious background and place of residence influence the socio-economic structure of a society.</li> <li>Identifies the inequalities in access to resources as well as issues related to privilege, power and control.</li> <li>Reflects on issues such as poverty and unemployment, their causes and ways to eradicate them.</li> </ul>
<b>HALF YEARLY EXAMINATION: 24.06.2026</b>			
July	26	Current trends in Socio-economic Structure	<p>The learner-</p> <ul style="list-style-type: none"> <li>Identifies the issues faced by workers in various sectors, analyzes measures taken by the government to improve labour conditions and suggests solutions for the same.</li> </ul>
August	22	Nation Building	<p>The learner-</p> <ul style="list-style-type: none"> <li>Demonstrates understanding that a country's law plays a vital role in nation building and in the development of human right.</li> <li>Demonstrates an understanding of the significance of unity in diversity and of how national integration helps in maintaining the stability of a nation.</li> <li>Analyzes the challenges to nation building such as illiteracy, corruption, external threats and border issues.</li> </ul>
September	25	Nation Building	<p>The learner-</p> <ul style="list-style-type: none"> <li>Suggests ways to address and mitigate the challenges to nation-building.</li> <li>Suggests measures to improve basic sanitation in public</li> </ul>

			places. <ul style="list-style-type: none"> <li>Knows the various aspects of the constitution and how it safeguards democracy, secularism and social equality.</li> </ul>
October	18	Promoting Global Understanding	The learner- <ul style="list-style-type: none"> <li>Understands globalization, structural causes of conflict and analyses the circumstances and emergence of new ones.</li> <li>Explores ways to promote peace and resolve conflicts within the country as well as the international ones.</li> <li>Demonstrates understanding of global roles and work towards a peaceful, tolerant, inclusive and secure society.</li> </ul>
November	19	Promoting Global Understanding	The learner- <ul style="list-style-type: none"> <li>Examines tourism as a global industry and human activity that promotes and facilitates understanding of historical and cultural values.</li> </ul>
December	21	Workforce Education Skills	The learner- <ul style="list-style-type: none"> <li>Acquires various skills to meet the needs of the industries.</li> <li>Internalizes personality development techniques by focusing on punctuality, goal management, collaborative team skills and listening skills.</li> <li>Develops essential skills such as digital skills, soft skills and professional skills to be ready to join the workforce of the nation.</li> </ul>
<b>ANNUAL EXAMINATION – 22-12-2026</b>			
January	21	----	----
February	23	-----	-----
March	23	-----	-----