

JAIN VIDYA MANDIR SR. SEC. SCHOOL, SONIPAT  
ANNUAL CALANDER (2023)  
CLASS-12 ARTS

**Political Science**

Month	Topic	Subtopics	Methodology	Students Activity	Instructional Aids
APRIL	<b>Part A:</b> Contemporary world Politics 1—The end of Bipolarity	*Introduction of the World politics *The End of Bipolarity *Disintegration of Soviet Union, Unipolar World, *Middle East Crisis – Afghanistan,	Lecture Method		Chalk Duster Green board Educomp NCERT Textbooks
Week-2	Remaining part of The end of Bipolarity	*Gulf War, *Democratic Politics and Democratization – CIS and the 21st Century (Arab Spring).		*Group discussion on Middle east crisis. *Make a flow chart related to the CIS countries	

Week-3	Challenges of nation building	*Nation and Nation Building. *Sardar Vallabh Bhai Patel and Integration of States. *Nehru's approach to nation-building;	Problem solving Discussion Method	*Draw a portrait of Sardar Vallabh Patel *Make project on legacy of partition	
Week-4	Remainig part of Challenges of nation building s	*Legacy of partition: challenge of 'refugee' *Resettlement, the Kashmir problem. Political conflicts over language. *Linguistic Organisation of States.	Discussion and lectures Method	*Show the states carved on the basis of language	
MAY Week-1	2.New centers of power	*Organizations: European Union, ASEAN, SAARC, BRICS. Nations: Russia,	Interactive lecture method	*Make a chart on ASEAN, SAARC,  * debate on good and bad	Chalk Duster Green board Educomp NCERT Textbook
Week -2	Remaining part of	*China,			

	New centers of power	Israel, India, Japan and South Korea.		impact of the new centres of power	
Week-3	Ch-2.Planned Development	*Changing nature of India's Economic Development *Planning Commission	Lecture Method	*Group discussion on the importance of planning * write about NITI Aayogon A-4 sheet	
Week-4	Remaining part of Planned Development	*Five Year Plans, National Development Council, * NITI Aayog			
JUNE	SUMMER	BREAK			
JULY UNIT	3. Contemporary South Asia	Conflicts and	Lecture and explanation	Make a collage on	

TEST -1 Week-1		efforts for Peace Democratization in South Asia:	Method	different cultures of south Asia * Make a project on conflicts in south Asia	
Week-2		Pakistan, Nepal, Bangladesh, Sri Lanka, Maldives.			Chalk, duster, Map,educ omp NCERT TEXTBO OK
Week-3	3. India's India's foreign policy	Principles of Foreign Policy; India's Changing Relations with Other Nations: US, Russia, China, Israel;	Interactive Explanation Method	*Collect pictures related to the wars fought by India * Debate on the role of Indian leaders in shaping its foreign policy	
Week-4		India's Relations with its Neighbours: Pakistan, Bangladesh, Bhutan, Nepal, Sri Lanka and Myanmar; India's Nuclear Programme.			

AUG. Week-1	United Nations and its Organizations	Principal Organs, Key Agencies: UNESCO, UNICEF, WHO, ILO,	Discussion And lecture Method	*Debate on the role of UN in crucial matters * Speech preparati on related to the organs of UN.	NCERT Textbook , educomp, chalk,dus ter
Week-2		Security Council and the Need for its Expansion.			
Week-3	4.Parties and Party system in India	One Party Dominance, Bi- Party System,	Discussion and problem Solving Method	*Draw the sketch of J.L.Nehru *	
Week-4		Multi-Party Coalition System. Congress restoration		discussio n on the benefits and drawback s of multi	
SEPT	REVISION AND	EXAM			

	HALF YEARLY			party system	NCERT Textbook
OCT. Week-1	5.Security in the Contemporary world	Security, Meaning and type, Terrorism	Discussion Method	*Group discussion on the measures of peace keeping policies	, chalk, duster Map, Educomp
Week-2		Non tradition notion of security			
Week-3	5.Democratic resurgence	Jaya Prakash Narayan and Total Revolution, Ram Manohar Lohia and Socialism, Pandit Deendayal Upadhyaya and Integral Humanism,	Explanation and interactive Method	Write about Ram Manohar lohia'a socialism on A-4 sheet	
Week-4		National Emergency, Democratic Upsurges – Participation of the Adults, Backwards		*Group discussion about	

<p>NOV Unit-test 2 Week-1</p>	<p>6.Environment and Natural Resources</p>	<p>and Youth.  *Environmental Movements, Global Warming and Climate Change, Conservation of Natural Resources.</p>	<p>Problem Solving Method</p>	<p>the marginali zed people's rights  *Make a chart on global warming *Make a collage on the conservat ion of Natural resources</p>	
<p>Week-2</p>	<p>6. Regional aspirations</p>	<p>Rise of regional parties. Punjab Crisis. The Kashmir Issue, Movements for Autonomy.</p>	<p>Problem Solving and interactive Method</p>	<p>*Debate on different Crisis happened in India *write about the Measures</p>	

Week-3	7.Globalization	Globalization:Meaning, Manifestation and debates	Interactive Explanation Method	by which India can remain United  *Group discussion on advantages and disadvantages of Globalisation	
NOV. Week-4	7.Indian Politics:Recent trends and Development	Era of Coalitions, National Front, United Front,	Lecture Method	*Debate on the Era of coalition *make a flow chart of coalition govt.	
DEC. Week-1		United Progressive Alliance (UPA) – I & II,			
Week-2		National Democratic Alliance (NDA) I, II, III & IV, Issues of Development and Governance.			



JAN & FEB	WINTER BREAK  Revision and Final	EXAM			
--------------	---	------	--	--	--

Annual Planner (2023-24)

XII

INFORMATICS PRACTICES

MONTH	WEEK	TOPIC	SUBTOPIC	ACTIVITIES	METHODOLOGIES	INSTRUCTIONAL/ TEACHING AIDS
April	WEEK-I	Data Handling using PANDAS-I	Introduction to Python Libraries, Series Data structure (creating series , series object attributes, additional	Students will practice in Lab, they will use different practical programs related to Series understand the concepts ,	<ul style="list-style-type: none"> <li>• Illustration Method</li> <li>• Discussion Method</li> <li>• Brain storming Method</li> </ul>	Black board , chalk , duster, pointer, computer system, Python software  Course book

	WEEK -II	Data Handling using PANDAS-I	<p>functionality ,series objects attributes, operations on series Object etc.</p> <p>DataFrame (creating , displaying ,attributes, accessing, modifying rows columns, renaming columns</p>	<p>Creating Series objects and perform different operations on objects etc.</p> <p>Students will practice in Lab, they will use different practical programs related to DataFrame attributes</p> <p>and different methods Accessing data from dataframes (including slicing)</p> <p>Modifying and deleting data in</p>	<ul style="list-style-type: none"> <li>• Illustration Method</li> <li>• Demonstration Method</li> <li>• Brain storming Method</li> </ul>	
	WEEK-	Data				

	III  WEEK-IV	Handling using PANDAS-I  Data Handling using PANDAS-I	Pandas Series Vs Numpy ndarray,  Pandas Vs Series Object, Pandas Vs dictionary, arithmetic operations on Dataframe  Importing and exporting data between CSV files and DataFrames	data frame etc.  a. Team Based Time Bound Exercise using different topics.  b. Using arithmetic operation on data frame Students will do practical to import and export data using CSV and DataFrame	<ul style="list-style-type: none"> <li>Brain Storming</li> <li>Discussion Method</li> <li>Illustration Method</li> </ul>	
May	WEEK-I	Data Handling	Sorting a dataframe,		<ul style="list-style-type: none"> <li>Lecture cum</li> </ul>	White board, marker,duster,

		using Pandas-II	Altering index, other dataframe operations		Illustration Method • Demonstration Method	pointer, computer system, Python software, course book
	WEEK-II	Plotting Data using Matplotlib Pyplot	Line chart Different attributes	Students will do practical related to different topics  1. Time Bound Team Based Exercise related to different topics and other practical 2. Plotting different plots using different plot methods		
	WEEK-III		Bar chart, Histogram Different attributes			
	WEEK-IV		Customizing			

			the plot with different attributes			
June		Summer Break				
July	WEEK-I	Querying and SQL functions	Database concepts(Data base, Relational database, RDBMS, Benefits of RDBMS, Relation /Table, key, Primary key, Candidate key, Alternate Key),Classification of SQL statements, MYSQL Elements, Creating & Accessing database, creating tables, inserting data	<ol style="list-style-type: none"> <li>1. Students will practice in Lab they will use different commands in their queries with the help of practical like:</li> <li>2. Creating database and tables.</li> <li>3. Display those records from employee table whose name starts with 'A' alphabet.</li> <li>4. Display Annual salary of employees who are in department 20.</li> <li>5. Add one more</li> </ol>	<ul style="list-style-type: none"> <li>• Lecture cum Illustration Method</li> <li>• Discussion Method</li> </ul>	Black board , chalk , duster, pointer, computer system, database software, Course book
	WEEK-II	Querying and SQL functions				

	WEEK-III		<p>into tables, function in MYSQL (String</p> <p>Functions : (concat, length, substr, instr, trim, ltrim, rtrim, left ,right )</p>	<p>column Address in employee table.</p> <p>6. Arrange the information in table in descending order by their name. etc.</p>		
	WEEK-IV		<p>Numeric Functions : (round, truncate, sqrt, mod, pow, sign) ,</p> <p>Date &amp; Time functions</p> <p>Making simple queries using Alter Table, Select, Describe, Where, Order</p>			

			By, Between, In, Like, Update, Delete etc.			
August	WEEK-I	Querying using SQL (Group By) , and SET operations	Aggregate functions (Max, Min, Avg, Sum, Count) Aggregate functions and null values		<ul style="list-style-type: none"> <li>• Lecture cum Illustration Method</li> <li>• Demonstration method</li> </ul>	White board, marker, duster, pointer, computer system, database software, course book
	WEEK-II		Group by , Having, Displaying data from multiple tables,	<ol style="list-style-type: none"> <li>a. Team Based Time Bound Exercise using different topics.</li> <li>b. Using group functions</li> <li>c. Differentiate scalar and group functions</li> <li>d. Using set operations</li> </ol>		
	WEEK-III	Querying using SQL (Group By) ,	Cartesian product or cross join of tables, Equi join,			
	WEEK-IV	and SET		Team Based Time Bound Exercise		

	IV	operations	set operations(Union, Intersection, Minus)	using different topics using set operations		
Sept.		Revision & Half yearly Examination				
Oct.	WEEK-I	Internet and Web	Introduction, types of networks,	1. Find the IP address of at least five computers in School. 2. Find the name of Internet Service Provider of your School.	1. Interactive Lecture Method 2. Demonstration Method	White board, marker,duster, pointer,computer system , internet explore software, course book
	WEEK-II		network deives,	1. Search on internet about the features of mySQL and Netbeans. 2. Know about your school website host server	<ul style="list-style-type: none"> <li>Lecture cum Discussion Method</li> <li>Illustration Method</li> </ul>	White board, marker,duster, pointer,computer system , internet explore software, course book
	WEEK-III		Networking topologies, The internet, applications of internet,	3. Make list of 5 websites and 5 webportals 4. Perform		



	WEEK-IV		website,  web page, web server, hosting of a website, browser,chat ,VOIP	browser settings		
Nov.	WEEK-I	Societal impacts	Introduction, digital footprints, digital society and netizen	1. Search online pictures 2. Create a power point presentatio n using some pics, and videos in it and give reference of used contents in it (i.e. search from internet)	<ul style="list-style-type: none"> <li>Lecture cum Illustrati on Method</li> <li>Brain Stormin g</li> </ul>	White board, marker, duster, Computer system, internet, flash cards ,pointer, course book
	WEEK-II		Creative commons, cyber crime			
	WEEK-III		Indian information technology Act			
	WEEK-		E-waste : Hazards and	3. Create a chart or		

	IV		management, Impact on health	power point presentation on CC commons		
Dec.	WEEK-I  WEEK-II	Data Protection  (Syllabus completion )	Threats to data  Data protection solutions	Time Bound Team Based activity related to different topics	<ul style="list-style-type: none"> <li>Lecture Illustration Method</li> <li>Brain Storming</li> </ul>	White board, marker, duster, pointer, Internet , course book
Jan.		Revision & Pre-board Exams.				
Feb.		Practicals				

TYPOGRAPHY AND COMPUTER APPLICATION

MONTH	WEEK	TOPIC	SUB TOPICS	ACTIVITIES	METHODOLOGIES	INSTRUCTIONAL/
-------	------	-------	------------	------------	---------------	----------------

						TEACHING AIDS
April	Week –I	Correspondence	Introduction, Business Correspondence , Styles of Typewriting letters(Indented style, Block style /fully blocked style, Semi-Block style, Modified Block style, Hanging style ,Official Correspondence , Office Memorandum, Office Order, Demi- Official letter(DO) , Office Note.	Write business letters using  Different styles of typewriting Letters.	<ul style="list-style-type: none"> <li>• Lecture cum Illustration Method</li> <li>• Discussion Method</li> <li>• Brain Storming</li> </ul>	Computer system with MS-Word,  White board , marker, pointer, duster, course book
	Week-II	Manuscripts	Introduction, Meaning, Proof correction symbols, procedure of preparing a fair copy of the	Typewrite a fair copy of the Manuscript on computer by incorporating the correction.  Prepare salary sheet by using	<ul style="list-style-type: none"> <li>• Lecture cum Discussion Method</li> <li>• Demonstration Method</li> </ul>	Computer system with MS word, White board , marker, pointer, duster, flash cards  course book
	Week-III	Excel		Sum, min and max		

	Week-IV	Excel	<p>manuscript</p> <p>Introduction, Starting Excel, Components of Excel window, workbook and worksheet, (Opening, saving and printing a workbook), navigating the worksheet.</p> <p>Editing excel : Selecting cells and ranges, editing data, modifying a worksheet , Adding worksheets, rows and columns, Resizing rows and columns, moving and copying cells, freeze pane, Find and</p>	<p>functions.</p> <p>Save and print the same sheet</p> <p>Prepare a report related to</p> <p>Sales of salesman using different functions and</p>	<ul style="list-style-type: none"> <li>• Lecture cum Discussion Method</li> <li>• Illustration Method</li> <li>• Brain Storming</li> </ul>	<p>Computer system , MS-Excel. White board , marker, pointer, duster</p>
--	---------	-------	--	--	--	--

May	Week-I		<p>Replace data, Auto fill.</p> <p>Formatting Worksheets:          Formatting cells,          Formatting rows and columns,          Formatting text,          Formatting worksheets using Styles Toolbar, Auto formatting, AutoCorrect, Format painter.</p>	display pictorial representation of same.		
	Week-II	Internet Search	<p>Formulas and Functions:          Formulas, Operators, Creating a formula, AutoSum, Relative, Absolute and Mixed Referencing, Functions,</p>	Search different topics on internet	<ul style="list-style-type: none"> <li>• Lecture Method</li> <li>• Discussion Method</li> <li>• Demonstration Method</li> </ul>	<p>Computer ,internet,          White board , marker, pointer, duster</p>

			<p>Spell Checking. Using Charts: Components of a Chart, Chart types, creating a Chart.</p> <p>Search Engine, Types of Search Engine, Finding information through search engine, Different Search Engines, E-Commerce, Types of E-Commerce, E-Business</p>			
May	Week-III	Email	E-mail Management: Importance of E-mail, E-mail Services,	Create your E-mail account On Gmail .	<ul style="list-style-type: none"> <li>• Lecture cum Discussion Method</li> <li>• Demons</li> </ul>	Computer ,internet,

	Week-IV		<p>Opening an email account using Gmail. Composing an email, Sending an email with attachment,</p> <p>Formatting text. E-mail actions- Reading an email, replying an email, forwarding an email, printing an email and deleting an email. Adding a signature. Creating folders/ labels for archiving emails.</p>	<p>Send an e-mail to your friend with at least two attachments.</p> <p>Download attachment from your inbox. etc</p>	<p>tration Method</p>	<p>White board , marker, pointer, duster</p>
June		<p>Summer Break</p>				
July	Week-I	Power Point	<p>Power Point Presentation: Starting</p>	<p>Prepare a PPT's on different topics ( Digital India,</p>	<ul style="list-style-type: none"> <li>• Demonstration Method</li> </ul>	<p>Computer system , MS-Power Point. White board , marker, pointer, duster</p>

	Week-II		<p>PowerPoint, Creating a presentation, Opening an existing presentation. Viewing slides- Normal View, Slide Sorter View, Notes Page, Slide Show. Working with slides- Adding a slide, deleting a slide, Adding text, moving a text box, format text.</p> <p>Adding WordArt, Format WordArt. Adding shapes, image and clipart. Adding theme to slide, changing the background. Formatting</p>	<p>Demonetization, Save Earth, Mahatma Gandhi, Missile Man Dr. APJ Abdul Kalam , Smart city etc.)</p>	<ul style="list-style-type: none"> <li>• Lecture cum Discussion Method</li>   <li>• Lecture cum Illustration Method</li> <li>• Discussion Method</li> </ul>	
--	---------	--	---	---	---	--



	<p>Week-III</p>	<p>Computer Virus</p>	<p>presentation using slide master. Objects and Animation: Creating Custom Animation Effects for objects, Modify Animation effects, Create a Slide Transition, Change the order of the slide, Slide Show Options, Rehearse Timing</p>		<ul style="list-style-type: none"> <li>• Lecture cum Illustration Method</li> <li>• Discussion Method</li> </ul>	
	<p>Week-IV</p>		<p>Computer Virus, Computer virus versus Biological virus, Computer virus classification– Boot sector virus,</p>			

			<p>Companion virus, E-mail virus, Logic Bomb, Macro virus, Cross-site scripting virus, Worm, Trojan Horse.</p> <p>Effects of computer virus, the vulnerability of operating systems to virus, protection from virus and use of popular antivirus software.</p>			
Aug.	Week-I	Communication Skills-IV	<p>Session 1- Active Listening</p> <p>Session 2 -Parts of Speech</p>	<p>1. Demonstration of the key aspects of becoming active listener</p> <p>Telephone Game</p>	<ul style="list-style-type: none"> <li>• Lecture cum Illustration Method</li> <li>• Discussion Method</li> <li>• Role Play Method</li> </ul>	<p>White board , marker, pointer, duster , facial expression chart</p> <p>White board , marker, pointer, duster, flash</p>

	Week-II	Green Skills-IV	Session 3 - Writing Sentences	2. Preparing posters of steps for active listening	<ul style="list-style-type: none"> <li>• Lecture cum Illustrati on Method</li> <li>• Discussi on Method</li> </ul>	cards
	Week-III			1. Listing of green jobs and preparation of posters on green job profiles		
	Week-IV		Session 1 - Green Jobs	2. Prepare posters on green jobs		
			Session 2 - Importance of Green Jobs	3. Motivate students to plant a tree.  4. Motivate students to buy energy efficient products etc.		
Sep.		Half Yearly Exams.				
Oct.	Week-I	ICT skills -IV	Session 1 - Getting Started with Spreadsheet	1. Demonstration and practice on the following:	<ul style="list-style-type: none"> <li>• Lecture cum Discussi on Method</li> </ul>	White board , marker, pointer, duster, computer system , open office

	Week-II		Session 2 - Performing Basic Operations in a Spreadsheet	<ul style="list-style-type: none"> <li>➤ Introduction to the spreadsheet application</li> </ul>	<ul style="list-style-type: none"> <li>• Demonstration Method</li> </ul>	
	Week-III		Session 3 - Working with Data and Formatting Text	<ul style="list-style-type: none"> <li>➤ Listing the spreadsheet applications</li> </ul>		
	Week-IV		Session 4 - Advanced Features in Spreadsheet	<ul style="list-style-type: none"> <li>➤ Creating a new worksheet</li> <li>➤ Opening the workbook and enter text</li> </ul>		
			Session 5 - Presentation Software	<ul style="list-style-type: none"> <li>➤ Resizing fonts and styles</li> <li>➤ Copying and move the cell</li> </ul>		
			Session 6 - Opening, Closing, Saving and Printing a Presentation 7.	<ul style="list-style-type: none"> <li>➤ data</li> <li>➤ Sorting and Filter the data</li> <li>➤ Applying elementary</li> </ul>		
			Session 7 - Working with	<ul style="list-style-type: none"> <li>➤ formulas and</li> </ul>		

			<p>Slides and Text in a Presentation</p> <p>Session 8 Advanced Features used in Presentation</p>	<p>functions</p> <ul style="list-style-type: none"><li>➤ Saving the spreadsheet in various formats</li></ul> <p>2. Demonstration and practice on the following:</p> <p>Listing the Software, packages for presentation, Explaining the features of presentation, Creating a new Presentation, Adding a slide to Presentation., Deleting a slide,</p>		
--	--	--	--	--	--	--

				<p>Entering and edit text,          Formatting text,          Inserting clipart and images,          Sliding layout,</p>		
Nov.	<p>Week-I</p> <p>Week-II</p> <p>Week-III</p> <p>Week-IV</p>	<p>Self Management Skills –IV</p>	<p>Session 1 - Motivation and Positive Attitude</p> <p>Session 2 - Result Orientation</p> <p>Session 3- Self-awareness</p> <p>Session 4</p>	<p>1. Group discussion on identifying needs and desire</p> <p>2. Discussion on sources of motivation and inspiration</p> <p>3. Demonstrate the knowledge of different personality types</p>	<ul style="list-style-type: none"> <li>• Lecture cum Illustration Method</li> <li>• Discussion Method</li> </ul>	<p>White board , marker, pointer, duster</p>



				<p>4. Preparation of competencies profile of students</p> <p>5. Games and exercises on changing entrepreneurial behavior and development of competencies for enhancing self-confidence, problem solving, goal setting, information seeking, team building and creativity</p>		
Jan.		Revisions +				



		Pre-Board Exams.
Feb.		CBSE Practical + CBSE BOARD Exams

**JAIN VIDYA MANDIR SR. SEC. SCHOOL  
ANNUAL PLANNER(2023-24)  
CLASS-12  
SUBJECT- Mathematics**

<b>MONTH</b>	<b>TOPIC</b>	<b>SUB-TOPICS</b>	<b>ACTIVITY</b>	<b>METHODOLOGY</b>	<b>TEACHING AID/ INSTRUCTIONAL ID</b>
<i>APRIL</i> WEEK 1 AND 2	RELATION AND FUNCTION	Types of relation: reflexive, symmetric ,transitive and equivalence relations.	Using thread /wool 1.To demonstrate a function which is not one-one but is onto	explanation by diagram, learning by doing, problem solving	Chalk board,duster,s mart class

	<p style="text-align: center;">INVERSE TRIGONOMETRIC FUNCTION</p>	<p>one to one and onto function ,</p> <p>Definition, range ,domain ,principal value branch .graph of trigonometric function</p>	<p>2. show equivalence relations 3.one-one 4 .onto</p> <p>Use sketch/thread/graph 1.To draw the graph of sin inverse x using graph of sin x 2. <math>\cos^{-1}</math>. show unit circle graphically</p>		
<p><i>APRIL WEEK 3 AND 4</i></p>	<p>MATRICES</p>	<p>Concept, notation, order, equality, types of matrices. transpose, symmetric, skew symmetric matrices operation on matrices: addition, multiplication concept of row and</p>	<p>1.To relate the matrices with real life. 2. design with the help of row /column 3.diagram to show different type of matrix</p>	<p>problem solving ,Explanation.</p>	<p>Chalk board, duster, smart class.</p>

		column invertible matrices			
	<b>DETERMINANT</b>	Determinant of a square matrix, properties, minors, cofactors and application of determinants in finding area of a triangle, adjoint and inverse, consistency, inconsistency, no. of solutions of linear equation on in two variable using inverse	Make a ppt/ diagram to show determinant and its properties		
	<b>CONTINUIT-Y</b>	Continuity and	. To verify rolle's theorem . 1. show what is		

MAY WEEK 1 WEEK 2	<b>AND DIFFERENTIABI LITY</b>	differentiability chain rule, derivatives of inverse trigonometric, implicit functions ,concept of exponential and logarithmic function ,second order derivative,	continuity through representation of any curve		
-------------------------	---------------------------------------	---	--	--	--

<i>MAY</i>	<b>APPLICATIONS OF DERIVATIVES</b>	Rate of change of bodies, increasing/decreasing functions, maxima and minima, simple problems basic principles and understanding of the subject as well as real life situation	<ol style="list-style-type: none"> <li>1. To show the concept of decreasing and increasing function through data analysis /CURVE</li> <li>2 . To show the concept of absolute max. and minimum through graphics</li> <li>3. To construct an open box of max. volume from a given rectangular sheet by cutting equal square from each corner</li> </ol>	Inductive approach, Discovery Method	Chalk board, Duster, Smart Class
<i>JULY</i>					
<i>WEEK 1</i> <i>WEEK 2</i>	<b>Integrals</b>	Integration as inverse process of differentiation. integration by substitution, different forms of integration,	Make a beautiful chart of all the formulas of integrations		

		definite, basic properties of definite integrals and evaluation of definite integrals, fundamental theorem of calculus (without proof).			
<b>UNIT TEST</b>					
<i>JULY WEEK 3 WEEK 4</i>	<b>APPLICATIONS OF THE INTEGRALS</b>	Application in finding the area under simple curves, especially lines, circles/parabola /ellipse (in standard form only), definition, order	1.Draw beautiful diagram of parabola and line 2.Ellipse and line to show area under curve	Explanation, Brain storming	Chalk board, Duster, Smart Class
<i>AUGUST WEEK 1 WEEK 2</i>	<b>DIFFERENTIAL EQUATIONS</b>	definition ,order and degree, general and particular solutions of a differential equation formation of differential equation	3.2 circle and shaded region that contain common area through equation of circle	Explanation, Brain storming	

		by method of separation ,solution of homogenous differential equation ,solution of linear differential equation $dy/dx+py=q$ and $dx/dy+px=q$			
<i>SEPTEMBER</i>	Revision and Half Yearly Exams				
<i>OCTOBER WEEK 1</i>  <i>WEEK 2</i>	<b>VECTORS</b>	Vectors and scalars, magnitude ,direction of vector,direction ratio and cosines ,types of vectors,component ,addition and subtraction of vectors,properties of dot product and cross product,application of scalar product ,	1. To verify geometrically that vector $c \times (a+b) = c \times a + c \times b$	Discovery Method, Problem Solving,	Chalk board, Duster, Smart Class, Models

<p>WEEK 3 WEEK 4</p>	<p><b>Three-dimensional Geometry</b></p>	<p>vector product, geometrical interpretation</p> <p>Direction cosines and direction ratio of a line joining two points, Cartesian equation and vector equation of line, shortest distance, angle between two lines, skew lines.</p>	<p>1. Find the shortest distance between two skew lines</p>	<p>Explanation, Problem Solving</p>	
<p>NOVEMBER WEEK 1</p>	<p><b>Linear programming</b></p>	<p>Introduction, related terminology such as constraints, objective</p>	<p>Project : To minimize the cost of food, meeting the dietary</p>	<p>Project, Discussion, Problem Solving,</p>	<p>Chalk board, Duster, Smart Class</p>



<p>WEEK 2</p>		<p>function,          optimization,          different types of L.P          ,mathematical          formulations of l.p,          graphical method of          solution for problem          in two variable          ,feasible and in          feasible solutions,          optimal feasible          solutions</p>	<p>requirements of          staple food of the          adolescent student of          your school</p>		
<p>WEEK 3          WEEK 4</p>	<p><b>PROBABILITY</b></p>	<p>Conditional          probability,          multiplication          theorem, indepent</p>			

		event, total probability, bayes theorem			
<i>DECEMBER</i>	<b>PROBABILITY</b>	Random variable and its probability distribution, mean of random variable.	<ol style="list-style-type: none"> <li>1.To explain the computation of conditional</li> <li>2. probability of a given event A, when event B has already occurred, through an example of throwing a pair of dice.</li> <li>3.Show outcomes of coin ,dice, cards through diagram or real objects</li> </ol>	Problem Solving, Explanation	Chalk board, Duster, Smart Class

<i>JANUARY</i>	Pre-board 1				
<i>FEBRU- ARY</i>	REVISION AND ANNUAL EXAMS				
<i>MARCH</i>	ANNUAL EXAMS				

BOOKS PRESCRIBED – NCERT TEXT BOOK, NCERT EXAMPLERS, LAB MANUAL

4PHYSICAL EDUCATION CLASS-XII

<b>Month</b>	<b>Chapter</b>	<b>Sub Topics</b>	<b>Activities</b>	<b>Methodology</b>	<b>Instructional</b>
April	1. Management of sporting events	1. Functions of Sports event management-Meaning & objectives of planning. 2. Various committees & its responsibilities (pre, during & post) 3. Procedure to draw fixtures-knock-out (bye & seeding) & league (staircase & cycle)	Make a chart on specific sports programmes.  Make a project on knock - out (bye seeding and league) .  Write a paragraph on intramural and extramural	Lecture method.	<ul style="list-style-type: none"> <li>• Green board</li> <li>• Educomp smart board</li> </ul>
		1. balanced diet & nutrition:			

June	Disease	<p>Revision</p> <ol style="list-style-type: none"> <li>1 concept of disability &amp; disorder.</li> <li>2 Types of disability its causes &amp; nature c cognitue disability, intellectual disability, physical di-sablity.</li> <li>3 Types of disorder , its cause &amp; nature (ADHD, SPD, ASD,ODD,OCD)</li> <li>4 Disab lity etiquettes</li> <li>5 Advantange of physical needs</li> <li>6 Strategies to make physical with special need.</li> </ol>	<p>Make a chart on different asanas.</p> <p>Make a flash card on different lifestyle diseases.</p>		
July July unit Test 1	4. Physical education and sports for CWSN.	<ol style="list-style-type: none"> <li>1 Motor development &amp; factors affecting it.</li> <li>2 Exercise guidelines at different stages for growth &amp; development.</li> <li>3. Common posture deformities- Knock knee, flat foot, round shoulders, lordosis, kyphosis, scoliosis, bow legs corrective measures for postural deformities.</li> <li>4 sport participation of women in india</li> <li>5 Special consideration ( menarch &amp; menstrual disfunction.</li> <li>6 Female athletes triad (oestoperosis, amenorid, eating disorders.</li> </ol>	<p>Make a chart on Disability and disorder.</p> <p>Make a project on cause and nature (ADHD,SPD,ASD,ODD,OCD)</p> <p>Speach on disability etiquettes.</p> <p>Chart showing on the stages of development.</p> <p>Poster on comman postural deformities.</p>	Lecture Method	Green board
August	5. Sports and Nutrition	<ol style="list-style-type: none"> <li>1.. <b>Concept of balance diet</b></li> <li>2.<b>macro and micro nutrition</b></li> </ol>	<p>Make a chart showing the stages of development.</p> <p>Make a poster on common postural deformities.</p> <p>Make a 3-dimensional model of female triad.</p>	Interactive lecture method	Explanation method.

September		<p><b>Revision</b> <b>HALF YEARLY EXAM</b></p>	<p>Make a collage on sports participation of women in India.</p> <p>Write an article on the need of balanced diet.</p> <p>Make a project on macro nutrients.</p>		
October	6. Test and measurement in sports	<ol style="list-style-type: none"> <li>1. Motor fitness test- 50 M standing start, 600 mt. run/walk, sit &amp; reach, partial girls, standing board jump, agility- 4x 10 mt. shuttle run.</li> <li>2. General motor fitness- barrow three item general motor ability ( standing board jump, zig-zag run, medicine ball put- for Boys: 03 kg &amp; for girls: 01 kg.</li> <li>3. Measurement of cardio vascular fitness- Harvard step test/ rock port test</li> <li>4. Computatiomn of fitness index:= <u>Duration of the exercise in sec x 100</u> 4.5 x pulse count of 1- 1.5min.after exc.</li> <li>5. Rikli and jones – senior citizen fitness Test:</li> </ol>	<p>Make a project on motor fitness test.</p> <p>Make a flashcard showing Rikli and jones senior citizen fitness test.</p> <p>Make a chart tabulation Harvard step test and rockport test.</p> <p>Make a chart general motor fitness test.</p>	<p>Explanation method</p> <p>Deductive and inductive method</p> <p>Demonstration method</p>	<p><b>Green board</b></p>

	7. Physiologic al and injuries in sports.	<ul style="list-style-type: none"> <li>i) Chair stand test for lower body strength.</li> <li>ii) Arm curl test for uppar body strength.</li> <li>iii) Chair search &amp; reach test for lower body flexibility.</li> <li>iv) Back scratch test for upper body flexibility.</li> <li>v) Eight foot up and go test for agility, six minute walk test for aerobic endurance.</li> </ul>			<p><b>Green board</b></p> <p><b>Green board</b></p>
November	8. Biomechani cs & sports	<ol style="list-style-type: none"> <li>1. Physiological factors determining Components of physical fitness.</li> <li>2. Effect of exercise on cardio respiratory system.</li> <li>3. Effect of exercise on muscular system.</li> <li>4. Physiological changes due to ageing.</li> <li>5. Sports injuriss: classification soft tissue injuries ( abrasion, contusion, laceration, incision sprain and strain) bone and joint injuries: (dislocation, fractures: Stress fracture, green stick, comminuted, transuerse, oblique And inpected) cause prevention and treatment.</li> <li>6. First aid – Aims &amp; objectives</li> </ol>	<p>Make a project on sports injuries</p> <p>Make a chart tabulation on bone and joint injuries (Fracture and Dislocation)</p> <p>Make a project file on effect of exercises on cardio respiratory system.</p> <p>Make a flashcard showing First aid, its aim and objectives</p>		
December Unit test II		<ol style="list-style-type: none"> <li>1. Meaning and importance of biomechanics in sports.</li> <li>2. Types of movement ( flection, extension, abduction and adduction</li> </ol>	<p>Make a flashcard showing importance of biomechanics in sports.</p> <p>Make a chart tabulation on types of movement.</p>		

January	9. Psychology and sports.	<ol style="list-style-type: none"> <li>3. Newton's law of motion and its application in sports.</li> <li>4. Friction and sports.</li> </ol> <p style="text-align: center;">Revision for Unit Test.</p>	<p>Make a project on friction and sports.</p> <p>Make a project on psychology in sports.</p> <p>Make a poster depicting different personalities on the basis of physical traits.</p> <p>Write a speech on motivation.</p> <p>Make a chart on Big Five theory.</p>		
February	10. Training in sports	<ol style="list-style-type: none"> <li>1. Personality, its definition and types. Trait and types (sheldon and jung classification and big five theory).</li> <li>2. Motivation, its types and techniques.</li> <li>3. Exercise adherence, reasons to exercise, benefits of exercise.</li> <li>4. Strategies for enhancing adherence to exercise.</li> <li>5. Meaning, concept and types of aggression in sports.</li> </ol>	<p>Make a project file on Training in sports.</p> <p>Make a chart showing Circuit Training and its importance.</p> <p>Make a poster showing route of Fartlek Training Programme.</p> <p>Explain the five components of physical fitness on a A4 sheet.</p>		
	Pre board Revision	<ol style="list-style-type: none"> <li>1. Strength- definition types and method of improving strength- isometric, isotonic and isobinetic.</li> <li>2. Endurance- definition, types and methods to develop endurance continuous training, interval training and fartlek training</li> <li>3. Speed definition type and methods to develop speed- acceleration run, and pace run</li> <li>4. Flexibility – definition, types and methods to improve flexibility</li> <li>5. Coordinative abilities - definition and types</li> <li>6. Circuit training, introduction and its importance.</li> </ol>			

## 12TH ENGLISH (301)

SR. No.	Month		Topic	Art Integrated Projects	Methodology	Teaching/ Instructional Aids
	APRIL	1 <sup>st</sup> Week	<b>Ch-1. The Last Lesson</b>	<p>1. Group Discussion on 'Political enslavement is a curse on any Nation as it deprives it of its identity'.</p> <p>2. Find out about the following (You may go to the internet, interview people, consult reference books or visit a library.)</p> <p>(a) Linguistic human rights</p> <p>(b) Constitutional guarantees for linguistic minorities in India.</p> <p>3. Tabulation chart of different languages spoken all over the world.</p> <p>4. Prepare a presentation on the characteristics of an ideal teacher.</p>	<p>Brainstorming</p> <p>Demonstration</p> <p>Reading</p> <p>Explanation</p> <p>Enquiry based Lectures,</p> <p>Classroom discussion,</p> <p>Demonstration , Explanation,</p> <p>Debate,</p> <p>Problem solving,</p>	<p>Flamingo Reader, Vistas, English practice, test materials, chalk-duster smart class, green board, mind map (self-made), overhead Projector etc.</p>
		2 <sup>nd</sup> Week	<b>Ch-2. The Lost Spring</b>	<p>1. Being the head boy/girl of your school, write a notice informing students about the</p>	<p>Brainstorming</p> <p>Demonstration</p> <p>Reading</p>	<p>Flamingo Reader, Vistas, English practice, test</p>



				<p>'Anti-Child-Labour' day going to be observed in your school.</p> <p>2. Prepare an appealing poster on 'Child Labour'.</p> <p>3. Take an interview of a young girl or a boy working at somebody's house , dhaba, factory or any shop. Ask questions like: His name, age, family, hometown,salary, dream,.....</p> <p>What are some of the problems working children may experience?</p> <p>4. Write an article on "Dreams of the poor and their reality.</p>	<p>Explanation</p> <p>Enquiry based</p> <p>Lectures</p> <p>Classroom discussion</p> <p>Demonstration</p> <p>Explanation</p> <p>Debate</p> <p>Problem Solving</p>	<p>materials, chalk-duster smart class, green board, mind map (self-made), overhead Projector etc.</p>
		3 <sup>rd</sup> Week	<p><b>Writing Skills- Short Composition Notice</b></p> <p><b>Poster</b></p>			
		4 <sup>th</sup> week	<b>Advertisement</b>	1. Prepare a collage on different types of	<p>Brainstorming</p> <p>Demonstration</p>	<p>Flamingo Reader, Vistas,</p>

			<b>P-1. My Mother at Sixty Six</b>	<p>advertisement.</p> <p>2. Advertise any product/ idea.</p> <p>1. Sing a song or recite a poem showing your love and gratitude towards your mother.</p> <p>2. Draw a portrait of your mother.</p>	<p>Reading</p> <p>Explanation</p> <p>Enquiry based</p> <p>Lectures</p> <p>Classroom discussion</p> <p>Demonstration</p> <p>Explanation</p> <p>Debate</p> <p>Problem Solving</p>	<p>English practice, test materials, chalk-duster smart class, green board, mind map (self-made), overhead Projector etc.</p>
	MAY	1 <sup>st</sup> Week	<b>Supplementary Ch-1 The Third Level</b>	<p>1. Worksheets on Listening task, Crisis Management, Creative writing to unfold logical thinking skills.</p> <p>2. Jot down your medium of escape from real world.( Your pastime)</p> <p>3. Prepare a collage on postal stamps.</p>	<p>Brainstorming</p> <p>Demonstration</p> <p>Reading</p> <p>Explanation</p> <p>Enquiry based</p> <p>Lectures</p> <p>Classroom discussion</p> <p>Demonstration</p> <p>Explanation</p> <p>Debate</p> <p>Problem Solving</p>	<p>Flamingo Reader, Vistas, English practice, test materials, chalk-duster smart class, green board, mind map (self-made), overhead Projector etc.</p>
		2 <sup>nd</sup> Week	<b>P-3. Keeping Quiet</b>	<p>1. Prepare a model of a clock representing different motivation words</p>	<p>Brainstorming</p> <p>Demonstration</p> <p>Reading</p>	<p>Flamingo Reader, Vistas, English practice, test</p>

				<p>on each number.</p> <p>2. Collect the details of cause of war.</p>	<p>Explanation</p> <p>Enquiry based</p> <p>Lectures</p> <p>Classroom discussion</p> <p>Demonstration</p> <p>Explanation</p> <p>Debate</p> <p>Problem Solving</p>	<p>materials, chalk-duster smart class, green board, mind map (self-made), overhead Projector etc.</p>
		3 <sup>rd</sup> Week	<p><b>Writing Skills-</b></p> <p><b>Short Composition (Formal Invitation &amp; Reply)</b></p> <p><b>Supplementary Ch-2. The Tiger King</b></p>	<p>1. Framing and preparing invitation cards for different purposes:</p> <p>a) Annual Day Celebration invitation card.</p> <p>b) Prepare an information brochure highlighting the main programs of your function.</p> <p>1. Prepare a Power Point Presentation on Tiger Reserves of India.</p> <p>2. Debate : Job Security vs Work Ethics</p> <p>3. Role play on the story.</p> <p>4. Prepare comic</p>	<p>Brainstorming</p> <p>Demonstration</p> <p>Reading</p> <p>Explanation</p> <p>Enquiry based</p> <p>Lectures</p> <p>Classroom discussion</p> <p>Demonstration</p> <p>Explanation</p> <p>Debate</p> <p>Problem Solving</p>	<p>Flamingo Reader, Vistas, English practice, test materials, chalk-duster smart class, green board, mind map (self-made), overhead Projector etc.</p> <p>Video or PPT on Save Tiger</p>

				strip on the major events.		
		4 <sup>th</sup> Week	<b>Ch-3. Deep Water</b>	<p>1. Doing well in any involves a great deal of struggle. Most of us are very nervous to begin with until gradually we overcome our fears and perform well. Write an essay of about five paragraphs recounting such an experience. Try to recollect minute details of what caused the fear, your feelings, the encouragement you got from others or the criticism.</p> <p>2. Are there any water sports in India? Find out about the areas or places which are known for water sports and prepare catchy handouts for them.</p> <p>3. Prepare a scrapbook on famous swimmers of the world.</p> <p>4. Make a model of Swimming Pool.</p>	<p>Brainstorming</p> <p>Demonstration</p> <p>Reading</p> <p>Explanation</p> <p>Enquiry based</p> <p>Lectures</p> <p>Classroom discussion</p> <p>Demonstration</p> <p>Explanation</p> <p>Debate</p> <p>Problem Solving</p>	<p>Flamingo Reader, Vistas, English practice, test materials, chalk-duster smart class, green board, mind map (self-made), overhead Projector etc.</p>
			<b>Supplementary Ch-3 Journey to</b>	<p>1. Prepare a globe using newspapers.</p>		

			<b>the End of The Earth</b>	2. Speech: Humans are the cause of the destruction of the Earth.  3. Draw a scene of Antarctica Continent.		
	JUNE	<b>Summer Break</b>				
	JULY	1 <sup>st</sup> Week	<b>Long Composition Letters</b>	Letters:  1. Public Issues  2. Problem/ Inconvenience  3. Job application+ Resume.	Brainstorming  Demonstration  Reading  Explanation  Enquiry based  Lectures  Classroom discussion  Demonstration  Explanation  Debate  Problem Solving	Flamingo Reader, Vistas, English practice, test materials, chalk-duster smart class, green board, mind map (self-made), overhead Projector etc.
		2 <sup>nd</sup> Week	<b>Writing Skills- Short Composition (Informal Invitation &amp; Reply)</b>			
		3 <sup>rd</sup> Week	<b>Ch-4 The Rattrap</b>	1. Prepare Rattrap using waste material.  2. Prepare a comparative analysis on the behaviour of the	Brainstorming  Demonstration  Reading  Explanation	Flamingo Reader, Vistas, English practice, test materials, chalk-duster smart class,

				<p>three characters of the story who deal with the Rattrap seller.</p> <p>3. Write dialogues related to this chapter.</p>	<p>Enquiry based</p> <p>Lectures</p> <p>Classroom discussion</p> <p>Demonstration</p> <p>Explanation</p> <p>Debate</p> <p>Problem Solving</p>	<p>green board, mind map (self-made), overhead Projector etc.</p>
		4 <sup>th</sup> Week	<b>Ch-5. Indigo</b>	<p>1. Prepare scrapbook on Gandhi's contribution in Indian Freedom Movement.</p> <p>2. Flow chart of the characteristics of a team leader.</p> <p>3. Model of a village.</p> <p>4. Present your arguments on an issue that has provoked controversy in which the lives of the poor have been affected. Also suggest suitable settlement.</p>	<p>Brainstorming</p> <p>Demonstration</p> <p>Reading</p> <p>Explanation</p> <p>Enquiry based</p> <p>Lectures</p> <p>Classroom discussion</p> <p>Demonstration</p> <p>Explanation</p> <p>Debate</p> <p>Problem Solving</p>	<p>Flamingo Reader, Vistas, English practice, test materials, chalk-duster smart class, green board, mind map (self-made), overhead Projector etc.</p>
	AUGUST	1 <sup>st</sup> Week	<b>P-4. A Thing of Beauty</b>	<p>1. PowerPoint Presentation on the beauty of Nature.</p> <p>2. Recite the poem and make a video.</p>	<p>Brainstorming</p> <p>Demonstration</p> <p>Reading</p> <p>Explanation</p>	<p>Flamingo Reader, Vistas, English practice, test materials, chalk-duster</p>

				3. Draw a beautiful landscape.	Enquiry based Lectures Classroom discussion Demonstration Explanation Debate Problem Solving	smart class, green board, mind map (self-made), overhead Projector etc.
		2 <sup>nd</sup> Week	<b>Supplementary Ch-4 The Enemy</b>	1. Critically analyse the importance of war. 2. Group discussion on importance of our helpers. 3. Design a new uniform for Army.	Brainstorming Demonstration Reading Explanation Enquiry based Lectures Classroom discussion Demonstration Explanation Debate Problem Solving	Flamingo Reader, Vistas, English practice, test materials, chalk-duster smart class, green board, mind map (self-made), overhead Projector etc. Documentary on the services of Doctors and Nurses during War times.
		3 <sup>rd</sup> Week	<b>Ch-6. Poets and Pancakes</b>	1. Collect about twenty cartoons from newspapers and magazines in any language to discuss how important people or events have been satirized.	Brainstorming Demonstration Reading Explanation Enquiry based	Flamingo Reader, Vistas, English practice, test materials, chalk-duster smart class, green board, mind map

				<p>Comment on the interplay of the words and the pictures used.</p> <p>2. Present Mono Acting related to the characters mentioned in the chapter.</p> <p>3. Write an article on the role of Indian Cinema.</p> <p>4. Present a review on any comedy film/book.</p>	<p>Lectures</p> <p>Classroom discussion</p> <p>Demonstration</p> <p>Explanation</p> <p>Debate</p> <p>Problem Solving</p>	(self-made), overhead Projector etc.
		4 <sup>th</sup> Week	<b>Ch-6. Poets and Pancakes</b>			
	SEPTEMBER	1 <sup>st</sup> Week	<b>Writing Skills- Speech Debate Article</b>	<p>1. Write a speech on 'Virtual Classroom vs Real Classroom.</p> <p>2. Make a collage of different famous speeches.</p> <p>3. Debate: Electronic Media is more powerful than print media.</p>	<p>Brainstorming</p> <p>Demonstration</p> <p>Reading</p> <p>Explanation</p> <p>Enquiry based</p> <p>Lectures</p> <p>Classroom discussion</p> <p>Demonstration</p> <p>Explanation</p> <p>Debate</p> <p>Problem Solving</p>	
		2 <sup>nd</sup> Week	<b>Revision + Half Yearly Examination</b>			
		3 <sup>rd</sup> Week				
		4 <sup>th</sup> Week				
		1 <sup>st</sup> Week	<b>P-5. A Roadside</b>	1. Make a list of	Brainstorming	Flamingo



	OCTOBER		<b>Stand</b>	<p>the items which are offered at the roadside stands.</p> <p>2. Declamation on Current Topics</p> <p>3. Prepare flash cards presenting different figures of speech.</p>	<p>Demonstration</p> <p>Reading</p> <p>Explanation</p> <p>Enquiry based</p> <p>Lectures</p> <p>Classroom discussion</p> <p>Demonstration</p> <p>Explanation</p> <p>Debate</p> <p>Problem Solving</p>	<p>Reader, Vistas, English practice, test materials, chalk-duster smart class, green board, mind map (self-made), overhead Projector etc.</p>
		2 <sup>nd</sup> Week	<b>Ch-7. The Interview</b>	<p>1. Interview a person whom you admire either in school or your neighbourhood and record it in writing/video.</p> <p>2. Deliver important information from literature, history, science, or math in the form of a newscast. Newscast can be prerecorded or presented live.</p>	<p>Brainstorming</p> <p>Demonstration</p> <p>Reading</p> <p>Explanation</p> <p>Enquiry based</p> <p>Lectures</p> <p>Classroom discussion</p> <p>Demonstration</p> <p>Explanation</p> <p>Debate</p> <p>Problem Solving</p>	<p>Flamingo Reader, Vistas, English practice, test materials, chalk-duster smart class, green board, mind map (self-made), overhead Projector etc.</p>
		3 <sup>rd</sup> Week	<b>Supplementary Ch-6. On the</b>	<p>1. Make a collage of any powerful physically</p>	<p>Brainstorming</p> <p>Demonstration</p>	<p>Flamingo Reader, Vistas,</p>

			<b>Face of It</b>	<p>challenged person who created history.</p> <p>2. Role play.</p> <p>3. Create vocabulary merit badges where the term is defined in three or fewer words and a small image is drawn to represent the definition.</p>	<p>Reading</p> <p>Explanation</p> <p>Enquiry based</p> <p>Lectures</p> <p>Classroom discussion</p> <p>Demonstration</p> <p>Explanation</p> <p>Debate</p> <p>Problem Solving</p>	<p>English practice, test materials, chalk-duster smart class, green board, mind map (self-made), overhead Projector etc.</p> <p>pPT presenting the synopsis Documentar y on the success stories of physically challenged people.</p>
		4 <sup>th</sup> Week	<b>Supplementary</b> <b>Ch-6. On the Face of It</b>			
	NOVEMBER	1 <sup>st</sup> Week	<b>Ch-8. Going Places</b>	<p>1. Group Discussion on Hero-worship is the most favourite pastime of most Indians.</p> <p>2. Draw a sketch of your role model.</p> <p>3. Write diary entry about the experience and what a waste is day dreaming.</p> <p>Prepare a model of football ground.</p>	<p>Brainstorming</p> <p>Demonstration</p> <p>Reading</p> <p>Explanation</p> <p>Enquiry based</p> <p>Lectures</p> <p>Classroom discussion</p> <p>Demonstration</p> <p>Explanation</p> <p>Debate</p>	<p>Flamingo Reader, Vistas, English practice, test materials, chalk-duster smart class, green board, mind map (self-made), overhead Projector etc.</p>

					Problem Solving	
		2 <sup>nd</sup> Week	<b>P-6. Aunt Jennifer's Tigers</b>	<ol style="list-style-type: none"> <li>1. Draw a beautiful sketch of tiger.</li> <li>2. Quiz on poetic devices.</li> <li>3. Present a mime on the condition of women in society.</li> </ol>	Brainstorming Demonstration Reading Explanation Enquiry based Lectures Classroom discussion Demonstration Explanation Debate Problem Solving	Flamingo Reader, Vistas, English practice, test materials, chalk-duster smart class, green board, mind map (self-made), overhead Projector etc.
		3 <sup>rd</sup> Week	<b>Report</b>	<ol style="list-style-type: none"> <li>1. Article Writing deriving ideas from interviews.</li> <li>1. Write a Report on a recent disaster with complimentary newspaper clip.</li> <li>2. Present a special report in the form of newscast.</li> </ol>		
		4 <sup>th</sup> Week				
		1 <sup>st</sup> Week	<b>Supplementary Ch-8. Memories of Childhood</b>	<ol style="list-style-type: none"> <li>1. Jot down any of your childhood experience in the form of diary entry.</li> <li>2. Is 21st century still facing the</li> </ol>	Brainstorming Demonstration Reading Explanation	Documentar y on the great personalities who fought against Social

	DECEMBER			<p>stigma of untouchability? Prepare a symposium on the same.</p> <p>3. Draw the scene when Zitkala-Sa was being dragged out.</p> <p>4. Prepare a skit on the scene which made Bama cheerful first and disappointed later.</p>	<p>Enquiry based</p> <p>Lectures</p> <p>Classroom discussion</p> <p>Demonstration</p> <p>Explanation</p> <p>Debate</p> <p>Problem Solving</p>	injustice
		2 <sup>nd</sup> Week				
		3 <sup>rd</sup> Week				
		4 <sup>th</sup> Week				
	JANUARY		<b>Revision + Pre Board Examination</b>  <b>Practice for ASL</b>			
	FEBRUARY		<b>RECAPITULATION and PREPARATION FOR FINAL ASSESSMENT</b>			
	MARCH		<b>FINAL EXAMINATION</b>			

### (History)

Month		Subtopics	Methodology	Students Activity	Instructional Aids
APRIL	<b>Part A:</b> Ch.1—Bricks,Beads and Bones	<ul style="list-style-type: none"> <li>*Terms, Places, Time</li> <li>*Beginnings, Subsistence Strategies</li> <li>*A Planned urban centre</li> <li>*Tracking Social differences</li> </ul>	Problem solving Discussion	<p>Make a model of House structure of Harappan civilization</p> <p>2. Make a chart on different works of Indus people.</p> <p>3. Make a</p>	<p>Chalk</p> <p>Duster</p> <p>Green board</p> <p>Educomp</p> <p>NCERT</p> <p>Textbooks</p>
Week -1					
Week -2	Ch.1- Bricks,Beads and Bones	<ul style="list-style-type: none"> <li>*Finding out about craft production</li> <li>*Strategies for procuring materials</li> </ul>			

		<ul style="list-style-type: none"> <li>*Seals, script, weights</li> <li>*Ancient authority</li> <li>*End of the Civilization</li> <li>*Discovering the Harappan Civilization</li> <li>*Problems of piecing together the past</li> </ul>		<p>clay model related to Harappan Seal.</p> <p>4. Make a Collage on Craft production of Harappan Civilization</p> <p>Make a Salient Features of Different Mahajanpadas on A4 size sheets.</p> <p>2. Make a flow chart Of Earliest states (16 Mahajanapadas)</p> <p>3. Draw a poster of Mauryan Empire.</p>	
Week-3	Ch.2 kings, Farmers and Towns	<ul style="list-style-type: none"> <li>*Prinsep and Piyadassi</li> <li>*The Earliest states</li> <li>*An early empire</li> <li>*New notions of kingship</li> </ul>			
Week-4	Ch.2 kings, Farmers and Towns(continued)	<ul style="list-style-type: none"> <li>*Changing countryside</li> <li>*Towns and Trade</li> <li>*Back to Basics</li> <li>*The limitations of inscriptional evidence</li> </ul>			
MAY					
Week -1	Ch. 3Kinship, Caste and class	<ul style="list-style-type: none"> <li>*Critical edition of the Mahabharata</li> <li>*Kinship and marriage</li> </ul>	Interactive lecture method	<ul style="list-style-type: none"> <li>*Make a chart related to types of marriage</li> </ul>	Chalk Duster Green board Educational NCERT Textbook
Week -2	Ch. 3Kinship, Caste and class	<ul style="list-style-type: none"> <li>*Social differences</li> <li>*Beyond Birth resources and status</li> <li>*Explaining social differences</li> <li>A dynamic text</li> </ul>		<ul style="list-style-type: none"> <li>* Debate on good and bad impacts of caste system</li> </ul> <p>1. Make a</p>	

Week-3	Ch .4 Thinkers, Beliefs sand Buildings	<p>A glimpse of Sanchi</p> <ul style="list-style-type: none"> <li>*The Background</li> <li>*Beyond worldly pleasures</li> <li>*The Buddha and quest for enlightenment</li> <li>*The teaching of the Buddha</li> </ul>	Problem Solving and Case Study Method	<p>sketch of Buddha.</p> <p>2. Debate on Amaravati And Sanchi stupa.</p> <p>3. Role play on life of Monks and Nuns.</p> <p>4. Flow chart on Budhhaand Mahavira Teaching</p>	
Week-4	Ch.4. Thinkers, Beliefs and Buildings (continued)	<ul style="list-style-type: none"> <li>*Followers of the Buddha</li> <li>*Stupas</li> <li>*Discovering stupas</li> <li>*Sculpture</li> <li>*New Religious Tradition</li> <li>*Can we “see” everything</li> </ul>			
JUNE	SUMMER BREAK				
JULY Unit test 1 Week-1	Ch.5 Through the eyes of travellers	<ul style="list-style-type: none"> <li>*Al-Biruni and Kitab-ul-Hind</li> <li>*Ibn Battuta's Rihila</li> <li>* Francois Barnier</li> </ul>	Problem Solvingand Discussion Method	<p>Describe the life</p> <p>Sketch of Al-Biruni</p> <p>On chart.</p>	Chalk Duster Green board Educomp NCERT Textbook
Week-2	Ch.5 Through the eyes of travelers (continued)	<ul style="list-style-type: none"> <li>*Making sense of an alien world</li> <li>*Ibn Batutaand the excitement of the unfamiliar</li> <li>*Bernier and the degenerate east</li> <li>*Woman slaves, satisfy and</li> </ul>		<ul style="list-style-type: none"> <li>*Make a scrap book</li> <li>On women condition those told by travellers.</li> </ul> <p>Draw a Sketch</p>	

Week-3	Ch.6 Bhakti Sufi tradition	labourers  *Mosaic of religious beliefs and practices *Poems of prayer *Virshaiv tradition *religious ferment in north India	Interactive Explanation Method	of Mirabai.  2. Make a scrap book On Chishti religion.  3. Role play on Alvars And Nayanars
Week-4	Ch.6 Bhakti , Sufi tradition	*New strands in the fabric, Islamic traditions *The growth of sufism *The chishtis in the subcontinent * New devotional path		Make a flow chart Of Vijayanagara Dynasty.
AUG Week-1	Ch.7 Imperial Capital Vijaynagara	*The Discovery of Hampi *Rayas, Nayakas and Sultans *Vijayanagara The Capital and its Environs	Discussion Method	2. Role play on Krishna-deva Raya.
Week-2	Ch. Imperial Capital Vijayanagara	*The Royal Centre *The Sacred Centre *Plotting Palaces, Temples and Bazaars *Questions in Search of Answers		1. Make a scrap book On Agrarian Society 2. Make a Flow chart related to the revenue system.
Week-3	Ch.8 Peasants, Zamindars and the State  Ch. 8 Peasants	*Peasants and Agricultural Production *The Village Community	Interactive lecture Method	

Week -4	Zamindars sand the state (continued)	<ul style="list-style-type: none"> <li>*Women in Agrarian Society</li> <li>*Forests and Tribes</li> <li>*The Zamindars</li> <li>*Land Revenue System</li> <li>*The Flow of Silver</li> <li>*The Ain-i Akbari</li> <li>FazlAllami of Abu'l</li> </ul>		*Collect some pictures of channels of alternative marketing and make a collage	
SEPT.	REVISION AND HALF YEARLY	EXAMS			
OCT. Week -1	Ch.10 Colonialism and the countryside	*Bengal and the Zamindars(half)	Problem solving Discussion	Make a project of land revenue system ( Permanent system) 2. Role play on Zamin-dars.	Chalk Duster Green board Educomp NCERT Textbook
Week -2		*Bengal and the Zamindars(to be continued)			
Week-3		*The Hoe and the Plough			
Week-4		*A Revolt in the Countryside The Bombay			





Week-2		*Defining Rights *The Powers of the states *The Language of the Nation	Problem solving Discussion	sketch of Sardar Patel. 2Tell the process of making of the Constitution Assembly.	
Week-3,4	REVISION				
JAN	WINTERBREAK				
FEB	Revision and	Final Exams			

वार्षिक पाठ्यक्रम  
 सत्र : 2023-2024  
 विषय - हिन्दी  
 कक्षा - 12



DATE \_\_\_\_\_  
 PAGE \_\_\_\_\_

पुस्तक - आरोह-2, बितान-2  
 जनसंचार अभिव्यक्ति और माध्यम

माह/सप्ताह	पुस्तक	पाठ	क्रिया कलाप
अप्रैल 1 सप्ताह	आरोह गद्य खंड	* भक्ति * काले मेघा पानीदे	* (1) अपनी कल्पना से भक्ति का चित्र शीट पर बनाएँ। (2) महादेवीवर्मा A-4 ने अपने घर में अनेक पालतू जानवरों को पाल रखा था। आपको जो भी पालतू पशु पसंद हो उनका चित्र बनाएँ और उनका नामकरण भी कीजिए। (3) भक्ति की स्वामी भक्ति की तुलना हनुमान जी से की गई है। जिस प्रकार हनुमान जी की भगवान राम के प्रति अग्रार्थ श्रद्धा थी वैसे ही भक्ति की महादेवी के प्रति। इस श्रद्धाभाव को चित्र के माध्यम से व्यक्त कीजिए।
2 "	"	* बाज़ार दर्शन	* (1) पानी के विभिन्न स्त्रोतों का एक कोलज बनाइए। (2) अपनी कल्पना से मैडक मंडरी का चित्र बनाइए। (3) एक आकर्षक पोस्टर तैयार कीजिए जिसमें पानी कचाड़ों से संबंधित स्लोगन हों।
3 "	"	पाठ - 3	* (1) मनी बैंग या पैसों की पीटली का चित्र बनाइए। (2) किसी भी बाज़ार (मछली बाज़ार, कपड़ा बाज़ार, अनाज बाज़ार) आदि का पोस्टर बनाइए। (3) भगत जी (बुर्खे बेचने वाले) का चित्र अपनी कल्पना से बनाइए।
4 "	पत्रकारिता		
मई 1 सप्ताह	गद्य खंड		* (1) 'बहलवान की ढीलक' पाठ के आधार पर





माह/संख्या	पुस्तक	पाठ	क्रिया कलाप
II	सप्ताह वितान	सिल्वर वैडिंग	पल्लवान और उसकी ढोलक का चित्र बनना।
III	1) पत्रकारिता	पाठ-4	(2) महामारी के दृश्य का वर्णन चित्र बॉली में कीजिए।
IV	2) स्वनात्मके अपठित गद्यांश पद्यंश		(3) सुगंधित और सूखरित के दृश्य को अपनी कल्पना शक्ति के रंगों से साकार रूप दीजिए।
जून	श्रीधर व कला		
जुलाई	काल्यखंड	* आत्मपरिचय, पतंग	* (1) अपनी कल्पना से एक चित्र बनाइए जिसमें व्यक्ति बोल और थका हुआ प्रतीत हो।
I		पाठ-5	(2) कचे प्रत्याशा में होंगे, नींदों के साँक रहे होंगे इस भाव को चित्र के माध्यम से व्यक्त कीजिए। (3) अपनी मस्ती में झूमते हुए दुनिया से वैखर व्यक्ति का चित्र बनाएँ।
II		कविता/कहानी	* (1) पतंग उड़ते हुए बच्चों का चित्र बनाइए। (2) 'खरगोश की लाल आँखों जैसा सवेरा' इस भाव की अभिव्यक्ति चित्र के माध्यम से करें। (3) आकाश में विभिन्न प्रकार की पतंगें उड़ रही हैं। आकाश बहुत ही मनमोहक लग रहा है, इस दृश्य को अपनी कल्पना के रंगों से साकार रूप दीजिए।
III		नाटक रचना	
IV			
अगस्त	सद्यखंड)		
I	आरौढ़	* कविता के बहने	* (1) आकाश में उड़ते हुए पक्षियों का चित्र बनाएँ।
II	"	बात सीधी थी पर	(2) कविने कविता में कवि की उड़ान व सिद्धि की उड़ान में जो अंतर बताया है उसे चित्र के माध्यम से व्यक्त करें। (3) अपनी कल्पना शक्ति का प्रयोग करते हुए किसी भी कवि का चित्र बनाएँ।
III	वितान	अतीत से दबे पाँव	
IV	पत्रकारिता	पाठ-11	





माह/सप्ताह	पुस्तक	पाठ	क्रियाकलाप
सितंबर	→ अर्द्धवार्षिक परीक्षा		
अक्टूबर			
I	शुद्ध खंड	* शिरीष के फूल	* (1) गाँधीजी का पोर्ट्रेट बनाइए। (2)
II	काव्य खंड	* कैमरे में बंद अप- -हि	शिरीष के फूल का चित्र बनाइए। (3) अपनी मल्पना से एक पोस्टर बनाइए जिसमें विभिन्न प्रकार के फूलों से लदे हुए वृक्ष हों।
III	पत्रकारिता	पाठ - 12	* (1) एक टी.वी. का चित्र बनाइए जिसमें अपाहिज व्यक्ति का साक्षात्कार लिया जा रहा हो। (2) आपने कभी किसी अपा- -हिज व्यक्ति को देखा होगा। आप उसकी दशा का वर्णन चित्र के माध्यम से करें। (3) फिर हम परदे पर दिखलाएंगे फूली हुई आँख की एक बड़ी तस्वीर इस भाव को चित्र के माध्यम से व्यक्त कीजिए।
IV	वित्तान	पूरा	
नवंबर			
I	शुद्ध खंड	* राम विभाजन	* (1) हमारी मदद करने के लिए हमारे अनेक सहायक होते हैं, उनका एक कोलज बनाइए। (2) भीमराव अंबेदकर का पोर्ट्रेट बनाइए। (3) चित्र के माध्यम से जातीय भेदभाव को समझाइए। * (1) लैंड स्केप बनाइए। (2) प्रातःकालीन सौंदर्य का चित्रण चित्रों के माध्यम से कीजिए।
दिसंबर			
I सप्ताह	काव्य खंड	* कवितावली	* (1) गीराम, लक्ष्मण और सीता का चित्र



माह/सप्ताह	पुस्तक	पाठ	क्रिया कलाप
II सप्ताह	काव्यखंड	लक्ष्मण सुदर्श	<p>अपनी कल्पना से बनाएं। (2) लक्ष्मण जी सुदर्शन हो गए हैं और श्रीराम उन्हें गोदी में लेकर विलाप कर रहे हैं। इस दृश्य को चित्र के माध्यम से व्यक्त कीजिए।</p> <p>* (1) रक्षा बंधन के दृश्य का बठनि चित्र के माध्यम से करो। (2) दीवाली के दृश्य को पोस्टर पर अंकित करें।</p> <p>* (1) अपनी पसंद से प्राकृतिक दृश्य का चित्र बनाएं। (2) नभ में पाती-बंधी बगुली की पांखें दृश्य को अपनी कल्पना के रंगों से साकार रूप दें।</p>
III "	"	छोटा मेरा खेत	
IV "	"	बगुलों के पंख	
जनवरी - फरवरी → दीहाई			

## Class-12<sup>th</sup>(Economics)

Month	Topic	Subtopics	Methodology	Students Activity	Instructional Aids
APRIL	<b>Part A: Macro Economics</b>				
Week 1	Ch.1--Introduction	*Meaning of macroeconomics*Significance of macroeconomics	Problem solving discussion	*Draw a circular flow of income in 2 sector Economy on A4 size sheet *Make a list of some stock and flow variables *Make a Map and mention India's Domestic Territory *Draw a pie chart on Occupational Structure on the eve of Independence	Chalk Duster Green board Educomp NCERT Textbooks
Week 2	Ch.2 –Some Basic concepts of Macro	*Classification of goods *Concept and components of consumption expenditure *Concept of investment *Concept of depreciation, stock and flow *Sectors of the Economy and Intersectoral flows			
Week 3	Ch. 3—Money	*C-C economy and its problem *Types of money *Money supply and its measures			
Week 4	Ch.1- Indian Economy on the Eve of Independence	*Overall features of Indian economy on the eve of Independence *State of Agricultural sector,Industrial sector,Foreign trade *Demographic profile * Positive and negative impacts of Britishers on Indian economy			

MAY					
Week 1	Ch. 2 Five Year Plans in India	* Five year plans in India *Goals of planning in India	Interactive lecture method	*Make a chart on all the five year plans and their principal objectives	Chalk Duster Green board Educomp NCERT Textbook
Week 2	Ch.3.Agriculture Industry and Trade	*Achievement of the goals *Agriculture land reforms *Gains of Green revolution *limitations of Green revolution	Problem Solving and Case Study Method	* debate on good and bad impact of the strategy of industrialisation	
Week 3	Ch. 6 Banking	*industry, small scale industries *Silent features of growth strategy *Central Bank and its functions *Monetary policy and its instruments *Credit creation process by commercial banks		*Collect some pictures of ancient and modern form of money and paste it on a chart	
Week 4	Ch-3 National Income and Related Aggregates	*Concept of national income domestic and national income *Gross and net domestic products *Aggregates related to national income *Nominal and real GDP *GDP and welfare			
JUNE	SUMMER BREAK			Interactive Explanation Method	



JULY Week 1	Ch-4Economic Reforms Since 1991	<ul style="list-style-type: none"> <li>*Meaning of economic reforms</li> <li>*Privatisation</li> <li>*Globalisation*</li> <li>Liberalisation</li> <li>*Critical appraisal of NEP</li> <li>*Concept of demonetisation and GST</li> </ul>		*Group discussion on advantages and disadvantages of Globalisation	
Week 2	Ch.7Aggregate Demand and Aggregate Supply and Related Concepts	<ul style="list-style-type: none"> <li>*Aggregate demand and its components</li> <li>*Consumption function ,Saving function</li> <li>*APC,MPC, APS, MPS</li> </ul>	Problem Solving and Discussion Method	Draw break even point on a A4 sheet *Draw the diagrams of under employment equilibrium and over full employment equilibrium on a chart * make a flowchart of instruments of monetary and fiscal policy	Chalk Duster Green board Educomp NCERT Textbook
Week 3	Ch. 8 Short Run Equilibrium Output	<ul style="list-style-type: none"> <li>*AD -AS Approach</li> <li>*Saving-Investment Approach</li> <li>*Derivation of saving curve and consumption curve</li> <li>*Investment Multiplier</li> </ul>			
Week 4	UT 1				
AUG.			Discussion Method	*Collect some	Green board

Week 1	Ch.6 Human capital Formation in India	*Sources of human capital formation *Significance and problems of human capital formation	Interactive lecture Method	pictures of channels of alternative marketing and make a collage	Educomp NCERT Textbook
Week 2	Ch.7 Rural Development	*Rural credit and agricultural marketing *Role of cooperative agriculture diversification*Emerging challenges ,organic farming	Problem Solving Method		
Week 3	Ch. 9 Problem of Excess and Deficient Demand	*Causes and consequences of excess and deficient demand *Measures to correct excess and deficient demand- government spending taxes and money supply	Problem Solving Method		
Week 4	Ch.4 Methods of Calculating National Income	*Value added method *Problem of double counting*Classification of factor income *Precautions regarding income method expenditure method ,Concept of GNP,GDP,NDP at MP and FC GDP and welfare			
SEPT.	REVISION AND	HALF YEARLY	.....		

		EXAMS			
OCT.					
Week 1	CH – Employment	*labour supply labour force, work force *Rate of participation *Occupational structure *Casualisation and informalisation of workforce	Problem solving Discussion		Chalk Duster Green board Educomp NCERT Textbook
Week 2	Ch.10 Government Budget	*Objectives of government budget *structure of budget *Budget deficit*Balanced and unbalanced budget	Interactive lecture Method	*QuizOn different types of taxes	
Week 3	Ch. 11 Foreign Exchange Rate	*Flexible and fixed exchange rate *Managed floating *Components of demand and supply for foreign exchange	Problem solving Discussion	Group discussio n on Gold Standard and Bretton wood System of Exchang rate	
Week 4	Ch.10 Environment and Sustainable Development	*Environment and significance of environment*Su sustainable development and strategies, global warming	Interactive Explanation Method		
NOV					

Unit test					
Week 2	Ch.12 Balance of Payment	*Components of BOP account *equilibrium and discipline *Balance and Imbalance in BOP*Significance of BOP	Interactive Explanation and Case Study Method		
Week 3	Ch.11Comparative Development Experience of India and it's Neighbour	*Path of development of India China and Pakistan *Experience and achievements of India, China and Pakistan*Development Strategies and appraisal and conclusion	Story Telling Methodand Interactive lecture Method	*Compare the growth strategies of India, China and Pakistan and make a chart of their strategie	Green board Educomp NCERT Textbook
Week 4	Revision				
DEC	REVISION	.....	.....		

JAN	WINTER BREAK	.....	.....		
FEB	REVISION AND	FINAL EXAM	.....		

