

JAIN VIDYA MANDIR SR. SEC. SCHOOL ,SONEPAT  
ANNUAL PLANNER – (2023)  
CLASS – 12 COMMERCE

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 functionality ,series objects attributes, operations on series Object etc.	<p>Students will practice in Lab, they will use different practical programs related to Series understand the concepts ,</p> <p>Creating Series objects and perform different operations on objects etc.</p> <p>Students will practice in</p>	<ul style="list-style-type: none"> <li>• Illustration Method</li> <li>• Discussion Method</li> <li>• Brain storming Method</li> </ul>	<p>Black board , chalk , duster, pointer, computer system, Python software</p> <p>Course book</p>

	WEEK –II	Data Handling using PANDAS-I	<p>DataFrame (creating , displaying ,attributes, accessing, modifying rows columns, renaming columns</p> <p>Pandas Series Vs Numpy ndarray,</p> <p>Pandas Vs Series Object, Pandas Vs dictionary, arithmetic operations on Dataframe</p> <p>Importing and exporting data between CSV files and DataFrames</p>	<p>Lab, they will use different practical programs related to DataFrame attributes and different methods Accessing data from dataframes (including slicing)</p> <p>Modifying and deleting data in data frame etc.</p> <p>a. Team Based Time Bound Exercise using different topics.</p> <p>b. Using arithmetic operation on data frame</p> <p>Students will do practical to import and export data using CSV and DataFrame</p>	<ul style="list-style-type: none"> <li>• Illustration Method</li> <li>• Demonstration Method</li> <li>• Brain storming Method</li> </ul> <ul style="list-style-type: none"> <li>• Brain Storming</li> <li>• Discussion Method</li> </ul>	
	WEEK-III	Data Handling using				

	WEEK-IV	PANDAS-I  Data Handling using PANDAS-I			<ul style="list-style-type: none"> <li>• Illustration Method</li> </ul>	
May	WEEK-I	Data Handling using Pandas-II	Sorting a dataframe, Altering index, other dataframe operations		<ul style="list-style-type: none"> <li>• Lecture cum Illustration Method</li> <li>• Demonstration Method</li> </ul>	White board, marker,duster, pointer,computer system, Python software,course book
	WEEK-II	Plotting Data using Matplotlib	Line chart Different attributes	Students will do practical related to different topics		

	WEEK-III	Pyplot	Bar chart, Histogram Different attributes	1. Time Bound Team Based Exercise related to different topics and other practical 2. Plotting different plots using different plot methods		
	WEEK-IV		Customizing the plot with different attributes			
June		Summer Break				
July	WEEK-I	Querying and SQL functions	Database concepts(Database,	1. Students will practice in Lab they will use different commands in their	• Lecture cum Illustration Method	Black board , chalk , duster, pointer, computer system,

	WEEK-II	Querying and SQL functions	<p>Relational database, RDBMS, Benefits of RDBMS, Relation /Table, key, Primary key, Candidate key, Alternate Key),Classification of SQL statements, MYSQL Elements, Creating &amp; Accessing database, creating tables, inserting data into tables, function in MYSQL (String</p> <p>Functions : (concat, length,substr, instr, trim, ltrim, rtrim, left ,right )</p> <p>Numeric Functions : (round,truncate,sqrt, mod, pow, sign) ,</p>	<p>queries with the help of practical like:</p> <ol style="list-style-type: none"> <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 column Address in employee table.</li> <li>6. Arrange the information in table in descending order by their name. etc.</li> </ol>	<ul style="list-style-type: none"> <li>• Discussion Method</li> </ul>	<p>database software, Course book</p>
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	WEEK-II		Group by , Having, Displaying data from multiple tables,	Exercise using different topics. b. Using group functions c. Differentiate scalar and group functions d. Using set operations			
	WEEK-III	Querying using SQL (Group By) ,	Cartesian product or cross join of tables, Equi join, set operations(Union, Intersection,Minus)	Team Based Time Bound Exercise using different topics using set operations			
	WEEK-IV	and 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	1. Interactive Lecture Method 2. Demonstration Method	White board, marker,duster, pointer,computer system , internet explore software, course book	

	WEEK-II		network deives,	School.		White board, marker,duster, pointer,computer system , internet explore software, course book
	WEEK-III		Networking topologies, The internet, applications of internet, website,	<ol style="list-style-type: none"> <li>1. Search on internet about the features of mySQL and Netbeans.</li> <li>2. Know about your school website host server</li> <li>3. Make list of 5 websites and 5 webportals</li> <li>4. Perform browser settings</li> </ol>	<ul style="list-style-type: none"> <li>• Lecture cum Discussion Method</li> <li>• Illustration Method</li> </ul>	
	WEEK-IV		web page, web server, hosting of a website, browser,chat ,VOIP			
Nov.	WEEK-I	Societal impacts	Introduction, digital footprints, digital society and netizen	<ol style="list-style-type: none"> <li>1. Search online pictures</li> <li>2. Create a power point presentation using some pics, and videos in it and give reference of used</li> </ol>	<ul style="list-style-type: none"> <li>• Lecture cum Illustration Method</li> <li>• Brain Storming</li> </ul>	White board, marker, duster, Computer system, internet, flash cards ,pointer, course book



	WEEK-II  WEEK-III  WEEK-IV		Creative commons, cyber crime  Indian information technology Act  E-waste : Hazards and management, Impact on health	contents in it (i.e. search from internet) 3. Create a chart or 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

XII

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

			<p>Introduction, Meaning, Proof correction symbols, procedure of preparing a fair copy of the manuscript</p>		<ul style="list-style-type: none"> <li>• Lecture cum Discussion Method</li> <li>• Demonstration Method</li> </ul>	
	Week-II	Manuscripts	<p>Introduction, Starting Excel, Components of Excel window, workbook and worksheet, (Opening, saving and printing a workbook), navigating the worksheet.</p>	<p>Typewrite a fair copy of the Manuscript on computer by incorporating the corrections</p> <p>Prepare salary sheet by using Sum, min and max function</p> <p>Save and print the same sheet</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 with MS word, White board , marker, pointer, duster, flash cards</p> <p>course book</p>
	Week-III	Excel	<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 Replace data, Auto fill.</p> <p>Formatting Worksheets: Formatting cells, Formatting rows and columns, Formatting text, Formatting</p>			<p>Computer system , MS-Excel. White board , marker, pointer, duster</p>

	Week-IV	Excel	<p>worksheets using Styles Toolbar, Auto formatting, AutoCorrect, Format painter.</p> <p>Formulas and Functions: Formulas, Operators, Creating a formula, AutoSum, Relative, Absolute and Mixed Referencing, Functions, 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</p> <p>engine, Different Search Engines, E-Commerce, Types of E-Commerce, E-Business</p>	<p>Prepare a report related to Sales of salesman using different functions and</p> <p>display pictorial representation of same.</p>	<ul style="list-style-type: none"> <li>Lecture Method</li> </ul>	
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May	Week-I			Search different topics on internet	<ul style="list-style-type: none"> <li>• Discussion Method</li> <li>• Demonstration Method</li> </ul>	Computer ,internet, White board , marker, pointer, duster
May	Week-III	Email	E-mail Management: Importance of E-mail, E-mail Services, Opening an email	Create your E-mail	<ul style="list-style-type: none"> <li>• Lecture cum Discussion Method</li> </ul>	

	Week-IV		<p>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>account On Gmail .</p> <p>Send an e-mail to your friend with at least two attachments.</p> <p>Download attachment from your inbox. etc</p>	<ul style="list-style-type: none"> <li>• Demonstration Method</li> </ul>	<p>Computer ,internet, White board , marker, pointer, duster</p>
June		<p>Summer Break</p>				
July	Week-I	Power Point	<p>Power Point Presentation: Starting 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,</p>	<p>Prepare a PPT's on different topics ( Digital India, Demonetization, Save Earth, Mahatma Gandhi, Missile Man Dr. APJ Abdul Kalam , Smart city etc.)</p>	<ul style="list-style-type: none"> <li>• Demonstration Method</li> <li>• Lecture cum Discussion Method</li> </ul>	<p>Computer system , MS-Power Point. White board , marker, pointer, duster</p>

	Week-II		<p>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 presentation using slide master.</p> <p>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> <p>Computer Virus, Computer virus versus Biological virus, Computer virus classification– Boot sector virus, Companion virus, E-mail virus, Logic Bomb,</p>		<ul style="list-style-type: none"> <li>• Lecture cum Illustration Method</li> <li>• Discussion Method</li> </ul>	
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	Week-III	Computer Virus	<p>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>		<ul style="list-style-type: none"><li>• Lecture cum Illustration Method</li><li>• Discussion Method</li></ul>	
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	Week-IV					
Aug.	Week-I	Communication Skills-IV	Session 1- Active Listening	1. Demonstration of the key aspects of becoming active listener Telephone Game	<ul style="list-style-type: none"> <li>• Lecture cum Illustration Method</li> <li>• Discussion Method</li> <li>• Role Play Method</li> </ul>	White board , marker, pointer, duster , facial expression chart
	Week-II		Session 2 -Parts of Speech			
	Week-III	Green Skills-IV	Session 1 -Green Jobs	1. Listing of green jobs		

	Week-IV		Session 2 -Importance of Green Jobs	<p>and preparation of posters on green job profiles</p> <p>2. Prepare posters on green jobs</p> <p>3. Motivate students to plant a tree.</p> <p>4. Motivate students to buy energy efficient products etc.</p>		
Sep.		Half Yearly Exams.				
Oct.	Week-I	ICT skills -IV	<p>Session 1 -Getting Started with Spreadsheet</p> <p>Session 2 -Performing Basic Operations in a Spreadsheet</p> <p>Session 3 -Working with Data</p>	<p>1. Demonstration and practice on the following:</p> <p>➤ Introduction to the spreadsheet application</p>	<ul style="list-style-type: none"> <li>• Lecture cum Discussion Method</li> <li>• Demonstration Method</li> </ul>	White board , marker, pointer, duster, computer system , open office

	Week-II		and Formatting Text	<ul style="list-style-type: none"> <li>➤ Listing the spreadsheet</li> </ul>		
	Week-III		Session 4 -Advanced Features in Spreadsheet	<ul style="list-style-type: none"> <li>➤ Listing the spreadsheet applications</li> </ul>		
			Session 5 -Presentation Software	<ul style="list-style-type: none"> <li>➤ Creating a new worksheet</li> <li>➤ Opening the workbook and enter text</li> </ul>		
			Session 6 -Opening, Closing, Saving and Printing a Presentation 7.	<ul style="list-style-type: none"> <li>➤ Resizing fonts and styles</li> <li>➤ Copying and move the cell data</li> </ul>		
	Week-IV		Session 7 -Working with Slides and Text in a Presentation	<ul style="list-style-type: none"> <li>➤ Sorting and Filter the data</li> <li>➤ Applying elementary formulas and functions</li> </ul>		
			Session 8 Advanced Features used in Presentation	<ul style="list-style-type: none"> <li>➤ Saving the spreadsheet in</li> </ul>		

				<p>various formats</p> <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>		
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				<p>Entering and edit text,</p> <p>Formatting text,</p> <p>Inserting clipart and images,</p> <p>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</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>

				personality types		
Dec.	Week-I	Entrepreneurial Skills-IV	Session 1- Entrepreneurship and Entrepreneur	1. Administering self rating	<ul style="list-style-type: none"> <li>• Lecture cum Illustration Method</li> <li>• Discussion Method</li> <li>• Brain Storming</li> </ul>	White board , marker, pointer, duster, flash cards
	Week-II	(Syllabus completion )	Session 2 Barriers to Entrepreneurship Session 3 Entrepreneurial Attitudes Session 4 Entrepreneurial Competencies	questionnaire and score responses on each of the competencies 2. Collect small story/ anecdote of prominent successful entrepreneurs 3. Identify entrepreneurial competencies reflected in each story and connect		

				<p>it to the definition of behavioral competencies</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</p>		
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				seeking, team building and creativity		
Jan.		Revisions + Pre-Board Exams.				
Feb.		CBSE Practical + CBSE BOARD Exams				

**Class 12**



### Subject- Accountancy

Month	Topic	Subtopics	Methodology	Activity	Instructional Aids
APRIL	Accounting for partnership firms  Week 1 to 4	UNIT-1 Accounting for partnership-  Fundamentals of partnership <ul style="list-style-type: none"> <li>• P&amp; L appropriation</li> <li>• Guarantee T A Partner</li> <li>• Adjustments in closed accounts</li> </ul>	Interactive and Explanation Method	Prepare some transactions for comprehensive problem	<ul style="list-style-type: none"> <li>• NCERT Textbook</li> <li>• Green Board</li> <li>• Educomp</li> </ul>
MAY <b>Unit Test 1</b>	Accounting for partnership firms	<ul style="list-style-type: none"> <li>• Reconstitution of Partnership Firm</li> <li>• Change in PSR among Existing</li> </ul>	Problem solving discussion	Role play for admission of a new partner	<ul style="list-style-type: none"> <li>• NCERT Textbook</li> <li>• Green Board</li> </ul> Educomp

		Partner <ul style="list-style-type: none"> <li>Accounts prepared in the condition of Reconstitution</li> </ul>			
<b>JUNE</b>	Summer Break	<b>HHW</b>			
<b>JULY</b>	Revision Accounting for partnership firms (cont.)	<ul style="list-style-type: none"> <li>Revision and recapitulation of the work done till june</li> <li>Dissolution of Partnership Firm</li> </ul>	Discussion Method Explanatory method	Project on Comprehensive problem ( ledger posting)	<ul style="list-style-type: none"> <li>NCERT Textbook</li> <li>Green Board Educomp</li> </ul>
<b>AUG.</b>	Accounting for Companies	Unit-4 <ul style="list-style-type: none"> <li>Issue of Share capital</li> <li>Issue of</li> </ul>	Problem solving discussion	Visit to any busy place of	<ul style="list-style-type: none"> <li>NCERT Textbook</li> <li>Green Board Educomp</li> </ul>

		Debentures		market and write your observation on A-4 size sheet	
SEPT.	REVISION AND HALF YEARLY EXAMS				
OCT.	Accounting for Companies  Part- B Financial Statement Analysis	<ul style="list-style-type: none"> <li>• Redemption of Debentures</li> <li>• Financial statements (major headings and sub headings of Balance Sheet of a Company)</li> <li>• Analysis of</li> </ul>	Problem solving discussion	Make a logo for your own business	<ul style="list-style-type: none"> <li>• NCERT Textbook</li> <li>• Green Board</li> </ul> Educomp

		financial Statement s			
NOV.	Financial Statement Analysis	Tools for Financial Statement Analysis <ul style="list-style-type: none"> <li>• Ratio Analysis</li> <li>• Submission of Project</li> </ul>	Problem solving discussion	Nukkad natak on problem solving of disputes among partners	<ul style="list-style-type: none"> <li>• NCERT Textbook</li> <li>• Green Board</li> </ul> Educomp
DEC.	Financial Statement Analysis UNIT-4	Cash flow statements and revision and pre- board	Problem solving discussion	Revisio n workshe et	<ul style="list-style-type: none"> <li>• NCERT Textbook</li> <li>• Green Board</li> </ul> Educomp
JAN.	Revision of sample papers		Problem solving		

## Class 12

### Subject- Business studies

Month	Topic	Subtopics	Methodology	Art	Instructional
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				integrated	Aids
APRIL	Unit-1: Management Nature & Importance Unit-2: Principles of management	*Efficiency & Effectiveness * MGT. As an Art or Science * Importance of MGT. *Fayol's principles Taylor's principles	Interactive And explanation	Mind map make a sketch of famous industrialist rattan tata	Chalk ,board ,educomp
MAY Unit test-1	Unit-3: Business Environment Unit-4:Planning Unit-5: Organising	<ul style="list-style-type: none"> <li>• Dimensions of Business Environment</li> <li>• Planning process</li> <li>• Limitations of planning</li> <li>• Organising process and types</li> </ul>	Interactive And explanation	Mind map Make a ppt on private and public enterprise S	Chalk,board,educomp
JUNE	Summer Break				
JULY	Unit-6 Staffing Unit 7: Directing	Staffing meaning and process Recruitment Selection Motivation Communication	Interactive and explanation	Mind map Make a spreadsheet on MNCs	Chalk,board,ecucomp

		leader ship supervision			
AUG.	Unit 8: Controlling Unit 9: Financial Planning	controlling <ul style="list-style-type: none"> <li>• Process</li> <li>• CPC</li> <li>• MBE</li> <li>• Capital structure</li> <li>• Decisions</li> </ul>	Interactive And explanation	Mind map Group discussion on private sector v/s public sector	Chalk,board,ecucomp
SEPT.	REVISION AND HALF YEARLY EXAMS				Chalk,board,ecucomp
OCT.	UNIT -10 Financial Market	Capital market Money market Instruments	Interactive And explanation	Mind map	
NOV. Unit test -2	UNIT - 11Marketing Unit-12 CPA	*Marketing mix *Types of markets *Marketing phylosophies *Consumer *Three tier judicial	Interactive And explanation	Mind map	Chalk,board,ecucomp

		machinery * Consumer rights * Responsibilities of consumer			
DEC.	Revision of the chapters done recently		Interactive And explanation		Chalk,board,ecucomp
JAN.	Winter break	Revision			
FEB.	Revision and	Final Exams	Interactive		

**CLASS-12**  
**SUBJECT- Mathematics**

<b>MONTH</b>	<b>TOPIC</b>	<b>SUB-TOPICS</b>	<b>ACTIVITY</b>	<b>METHODOLOGY</b>	<b>TEACHING AID/ INSTRUCTIONAL</b>
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APRIL WEEK 1 AND 2	RELATION AND FUNCTION	Types of relation: reflexive, symmetric ,transitive and equivalence relations. one to one and onto function ,	Using thread /wool 1.To demonstrate a function which is not one-one but is onto 2. show equivalence relations 3.one-one 4 .onto	explanation by diagram, learning by doing, problem solving	Chalk board,duster,s mart class
	INVERSE TRIGONOMETR IC FUNCTION	Definition, range ,domain ,principal value branch .graph of trigonometric function	Use sketch/thread/graph 1.To draw the graph of sin inverse x using graph of sin x 2. $\cos^{-1}$ . show unit circle graphically		



<p>APRIL WEEK 3 AND 4</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 column invertible matrices</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>Make a ppt/ diagram to show determinant and its properties</p>	<p>problem solving ,Explanation.</p>	<p>Chalk board, duster, smart class.</p>
	<p><b>DETERMINANT</b></p>	<p>Determinant of a square matrix, properties, minors, cofactors and application of</p>			

<p>MAY</p> <p>WEEK 1</p> <p>WEEK 2</p>	<p><b>CONTINUIT-Y AND DIFFERENTIABI LITY</b></p>	<p>determinants in finding area of a triangle, adjoint and inverse, consistency, inconsistency, no. of solutions of linear equation on in two variable using inverse</p> <p>Continuity and differentiability chain rule, derivatives of inverse trigonometric, implicit functions ,concept of exponential and logarithmic function</p>	<p>To verify rolle's theorem .</p> <p>1. show what is continuity through representation of any curve</p>		
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		,second order derivative,			
<i>MAY</i>	<b>APPLICATIONS OF DERIVATIVES</b>	Rate of change of bodies, increasing/decreasing	1. To show the concept of decreasing and	Inductive approach, Discovery Method	Chalk board, Duster, Smart Class

<p><i>JULY</i></p>		<p>functions, maxima and minima, simple problems basic principles and understanding of the subject as well as real life situation</p>	<p>increasing function through data analysis /CURVE  2 . To show the concept of absolute max. and minimum through graphics  3. To construct an open box of max. volume from a given rectangular sheet by cutting equal square from each corner</p>		
<p><i>WEEK 1</i> <i>WEEK 2</i></p>	<p><b>Integrals</b></p>	<p>Integration as inverse process of differentiation. integration by substitution, different forms of integration, definite, basic</p>	<p>Make a beautiful chart of all the formulas of integrations</p>		

		properties of definite integrals and evaluation of definite integrals, fundamental theorem of calculus (without proof).			
UNIT TEST					
<i>JULY</i> <i>WEEK 3</i> <i>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</i> <i>WEEK 1</i> <i>WEEK 2</i>	<b>DIFFERENTIAL EQUATIONS</b>	definition ,order and degree, general and particular solutions of a differential	3.2 circle and shaded region that contain common area through equation of circle	Explanation, Brain storming	

		equation formation of differential equation 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</i> <i>WEEK 1</i>	<b>VECTORS</b>	Vectors and scalars, magnitude, direction of vector, direction ratio and cosines	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
<i>WEEK 2</i>		, types of vectors, component addition and			

<p>WEEK 3 WEEK 4</p>	<p><b>Three-dimensional Geometry</b></p>	<p>subtraction of vectors, properties of dot product and cross product, application of scalar product, 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>	
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<p><i>NOVEMBER</i>  <i>WEEK 1</i>  <i>WEEK 2</i></p>	<p><b>Linear programming</b></p>	<p>Introduction, related terminology such as constraints, objective function, optimization, different types of L.P ,mathematical formulations of l.p, graphical method of solution for problem in two variable ,feasible and infeasible solutions, optimal feasible solutions</p>	<p>Project : To minimize the cost of food ,meeting the dietary requirements of staple food of the adolescent student of your school</p>	<p>Project, Discussion, Problem Solving,</p>	<p>Chalk board, Duster, Smart Class</p>



<p>WEEK 3 WEEK 4</p>	<p><b>PROBALITY</b></p>	<p>Conditional probability, multiplication theorem, indepent event, total probability, bayes theorem</p>			
<p>DECEMBER</p>	<p><b>PROBABILITY</b></p>	<p>Random variable and its probability distribution, mean of random variable.</p>	<p>1.To explain the computation of conditional 2. probability of a given event A, when event B has already</p>	<p>Problem Solving, Explanation</p>	<p>Chalk board, Duster, Smart Class</p>

			<p>occurred, through an example of throwing a pair of dice.</p> <p>3.Show outcomes of coin ,dice, cards through diagram or real objects</p>		
<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

ANNUAL PLANNER 2023-24PHYSICAL EDUCATION CLASS-XII

Month	Chapter	Sub Topics	Activities	Methodology	Instructional
April	1. Management of sporting events	<ol style="list-style-type: none"> <li>Functions of Sports event management-Meaning &amp; objectives of planning.</li> <li>Various committees &amp; its responsibilities (pre, during &amp; post)</li> <li>Procedure to draw fixtures-knock-out(bye &amp; seeding) &amp; league (staircase &amp; cycle)</li> </ol>	<p>Make a chart on specific sports programmes.</p> <p>Make a project on knock - out (bye, seeding and league) .</p> <p>Write a paragraph on intramural and extramural</p>	Lecture method.	<ul style="list-style-type: none"> <li>Green board</li> <li>Educomp smart board</li> </ul>
May	2. Children and women in Sports	<ol style="list-style-type: none"> <li>balanced diet &amp; nutrition: Macro &amp; micro nutrients</li> <li>nutritive &amp; non- nutritive Components of diet</li> <li>eating for weight control- a healthy weight, the pitfalls of dieting, food intolerance&amp; food myths</li> </ol>	<p>Make chart tabulation on macro and micro nutrients.</p> <p>Write an article on the need of balanced diet.</p> <p>Make a project on macro nutrients.</p>	<p>Explanation method</p> <p>Interactive method</p>	<ul style="list-style-type: none"> <li>Green board</li> <li>Educomp smart board</li> </ul>
		<ol style="list-style-type: none"> <li>common postural deformities</li> <li>Special consideration</li> <li>Female athletes</li> </ol>			
		<ol style="list-style-type: none"> <li>Obesity</li> <li>Diabetes</li> </ol>			

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 cognitieve 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		<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>	<p>Lecture Method</p> <p>Interactive lecture method</p>	<p>Green board</p>
August	<p>4. Physical education and sports for CWSN.</p> <p>5. Sports and Nutrition</p>	<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>	<p>Explanatio n method.</p>	

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>



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>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>		
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>Write a speech on motivation.</p> <p>Make a chart on Big Five theory.</p> <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</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>



				<p>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>		
		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 '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</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>Flamingo Reader, Vistas, English practice, test materials, chalk-duster smart class, green board, mind map (self-made), overhead Projector etc.</p>

				<p>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>Debate</p> <p>Problem Solving</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>	<p>1. Prepare a collage on different types of advertisement.</p> <p>2. Advertise any product/ idea.</p>	<p>Brainstorming</p> <p>Demonstration</p> <p>Reading</p> <p>Explanation</p>	Flamingo Reader, Vistas, English practice, test materials, chalk-duster
			<b>P-1. My Mother at Sixty Six</b>	<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>Enquiry based</p> <p>Lectures</p> <p>Classroom discussion</p> <p>Demonstration</p> <p>Explanation</p> <p>Debate</p> <p>Problem Solving</p>	smart class, green board, mind map (self-made), overhead Projector etc.
	MAY	1 <sup>st</sup> Week	<b>Supplementary</b> <b>Ch-1 The Third Level</b>	1. Worksheets on Listening task, Crisis Management, Creative writing to unfold logical	<p>Brainstorming</p> <p>Demonstration</p> <p>Reading</p> <p>Explanation</p>	Flamingo Reader, Vistas, English practice, test materials, chalk-duster

				<p>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>Enquiry based</p> <p>Lectures</p> <p>Classroom discussion</p> <p>Demonstration</p> <p>Explanation</p> <p>Debate</p> <p>Problem Solving</p>	<p>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 on each number.</p> <p>2. Collect the details of cause of war.</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>Flamingo Reader, Vistas, English practice, test materials, chalk-duster smart class, green board, mind map (self-made), overhead Projector etc.</p>

					Demonstration Explanation Debate Problem Solving	
		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>	Brainstorming Demonstration Reading Explanation Enquiry based Lectures Classroom discussion Demonstration Explanation Debate Problem Solving	<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>

				<p>2. Debate : Job Security vs Work Ethics</p> <p>3. Role play on the story.</p> <p>4. Prepare comic strip on the major events.</p>		
		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</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>

			<p>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><b>Supplementary</b></p> <p><b>Ch-3 Journey to the End of The Earth</b></p> <p>1. Prepare a globe using newspapers.</p> <p>2. Speech: Humans are the cause of the destruction of the Earth.</p>	<p>Problem Solving</p>	
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				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</b>			



			<b>Composition (Informal Invitation &amp; Reply)</b>			
		3 <sup>rd</sup> Week	<b>Ch-4 The Rattrap</b>	<p>1. Prepare Rattrap using waste material.</p> <p>2. Prepare a comparative analysis on the behaviour of the three characters of the story who deal with the Rattrap seller.</p> <p>3. Write dialogues related to this chapter.</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>
		4 <sup>th</sup> Week	<b>Ch-5. Indigo</b>	<p>1. Prepare scrapbook on Gandhi's</p>	<p>Brainstorming</p> <p>Demonstration</p>	<p>Flamingo Reader, Vistas, English</p>

				<p>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>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>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>3. Draw a beautiful</p>	<p>Brainstorming</p> <p>Demonstration</p> <p>Reading</p> <p>Explanation</p> <p>Enquiry based</p>	<p>Flamingo Reader, Vistas, English practice, test materials, chalk-duster smart class, green board,</p>

				landscape.	<p>Lectures</p> <p>Classroom discussion</p> <p>Demonstration</p> <p>Explanation</p> <p>Debate</p> <p>Problem Solving</p>	mind map (self-made), overhead Projector etc.
		2 <sup>nd</sup> Week	<b>Supplementary</b> <b>Ch-4 The Enemy</b>	<p>1. Critically analyse the importance of war.</p> <p>2. Group discussion on importance of our helpers.</p> <p>3. Design a new uniform for Army.</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>Flamingo Reader, Vistas, English practice, test materials, chalk-duster smart class, green board, mind map (self-made), overhead Projector etc.</p> <p>Documentary on the</p>

					Explanation Debate Problem Solving	services of Doctors and Nurses during War times.
		3 <sup>rd</sup> Week	<b>Ch-6. Poets and Pancakes</b>	<p>1. Collect about twenty cartoons from newspapers and magazines in any language to discuss how important people or events have been satirized. 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>	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.

				4. Present a review on any comedy film/book.		
		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				

		3 <sup>rd</sup> Week	<b>Revision + Half Yearly Examination</b>			
		4 <sup>th</sup> Week				
	OCTOBER	1 <sup>st</sup> Week	<b>P-5. A Roadside Stand</b>	<p>1. Make a list of 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>	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>Ch-7. The Interview</b>	<p>1. Interview a person whom you admire either in school or your neighbourhood</p>	Brainstorming Demonstration Reading	Flamingo Reader, Vistas, English practice, test materials,

				<p>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>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>chalk-duster</p> <p>smart class,</p> <p>green board,</p> <p>mind map</p> <p>(self-made),</p> <p>overhead</p> <p>Projector</p> <p>etc.</p>
		3 <sup>rd</sup> Week	<b>Supplementary</b> <b>Ch-6. On the Face of It</b>	<p>1. Make a collage of any powerful physically challenged person who created history.</p> <p>2. Role play.</p> <p>3. Create vocabulary merit badges where the term is defined in</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>Flamingo</p> <p>Reader,</p> <p>Vistas,</p> <p>English</p> <p>practice, test</p> <p>materials,</p> <p>chalk-duster</p> <p>smart class,</p> <p>green board,</p> <p>mind map</p> <p>(self-made),</p> <p>overhead</p> <p>Projector</p> <p>etc.</p>

				three or fewer words and a small image is drawn to represent the definition.	Demonstration Explanation Debate Problem Solving	PPT presenting the synopsis Documentary on the success stories of physically challenged people.
		4 <sup>th</sup> Week	<b>Supplementary 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</p>	Brainstorming Demonstration Reading Explanation Enquiry based Lectures Classroom discussion	Flamingo Reader, Vistas, English practice, test materials, chalk-duster smart class, green board, mind map (self-made), overhead Projector etc.



				<p>dreaming.</p> <p>Prepare a model of football ground.</p>	<p>Demonstration</p> <p>Explanation</p> <p>Debate</p> <p>Problem Solving</p>	
		2 <sup>nd</sup> Week	<b>P-6. Aunt Jennifer's Tigers</b>	<p>1. Draw a beautiful sketch of tiger.</p> <p>2. Quiz on poetic devices.</p> <p>3. Present a mime on the condition of women in society.</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>Report</b>	<p>1. Article Writing deriving ideas from interviews.</p> <p>1. Write a Report on a recent disaster with complimentary newspaper clip.</p> <p>2. Present a special report in the form of newscast.</p>		
		4 <sup>th</sup> Week				
	DECEMBER	1 <sup>st</sup> Week	<b>Supplementary Ch-8. Memories of Childhood</b>	<p>1. Jot down any of your childhood experience in the form of diary entry.</p> <p>2. Is 21st century still facing the stigma of untouchability? Prepare a symposium on the same.</p> <p>3. Draw the scene when Zitkala-Sa</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>Documentary on the great personalities who fought against Social injustice</p>

				was being dragged out. 4. Prepare a skit on the scene which made Bama cheerful first and disappointed later.	Demonstration Explanation Debate Problem Solving	
		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>			

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

Month	Topic	Subtopics	Methodology	Students Activity	Instructional Aids
APRIL	<b>Part A: Macro Economics</b>	*Meaning of macroeconomics*Significance of macroeconomics *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	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 1	Ch.1--Introduction				
Week 2	Ch.2 –Some Basic concepts of Macro				
Week 3	Ch. 3—Money  <b>Part B: Indian Economic Development</b>	*C-C economy and its problem *Types of money *Money supply and its measures  *Overall features of			

Week 4	Ch.1- Indian Economy on the Eve of Independence	<p>Indian economy on the eve of Independence</p> <ul style="list-style-type: none"> <li>*State of Agricultural sector, Industrial sector, Foreign trade</li> <li>*Demographic profile</li> <li>* Positive and negative impacts of Britishers on Indian economy</li> </ul>			
MAY					
Week 1	Ch. 2 Five Year Plans in India	<ul style="list-style-type: none"> <li>* Five year plans in India</li> <li>*Goals of planning in India</li> <li>*Achievement of the goals</li> </ul>	Interactive lecture method	<ul style="list-style-type: none"> <li>*Make a chart on all the five year plans and their principal objectives</li> <li>* debate on good and bad impact of the</li> </ul>	Chalk Duster Green board Educomp NCERT Textbook
Week 2	Ch.3.Agriculture Industry and Trade	<ul style="list-style-type: none"> <li>*Agriculture land reforms</li> <li>*Gains of Green revolution</li> <li>*limitations of Green revolution</li> <li>*industry, small scale industries</li> <li>*Silent features of growth strategy</li> </ul>	Problem Solving and Case Study Method		

Week 3	Ch. 6 Banking	<ul style="list-style-type: none"> <li>*Central Bank and its functions</li> <li>*Monetary policy and its instruments</li> <li>*Credit creation process by commercial banks</li> </ul>		<ul style="list-style-type: none"> <li>strategy of industrialisation</li> <li>*Collect some pictures of ancient and modern form of money and paste it on a chart</li> </ul>	
Week 4	Ch-3 National Income and Related Aggregates	<ul style="list-style-type: none"> <li>*Concept of national income domestic and national income</li> <li>*Gross and net domestic products</li> <li>*Aggregates related to national income</li> <li>*Nominal and real GDP</li> <li>*GDP and welfare</li> </ul>			
JUNE	SUMMER BREAK		Interactive Explanation Method		
				*Group	

JULY					
Week 1	Ch-4 Economic 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>		discussion on advantages and disadvantages of Globalisation	
Week 2	Ch.7 Aggregate 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	<ul style="list-style-type: none"> <li>Draw break even point on a A4 sheet</li> <li>*Draw the diagrams of under employment equilibrium and over full</li> </ul>	<ul style="list-style-type: none"> <li>Chalk</li> <li>Duster</li> <li>Green board</li> <li>Educomp</li> <li>NCERT</li> <li>Textbook</li> </ul>
Week 3	Ch. 8 Short Run Equilibrium Output	<ul style="list-style-type: none"> <li>*AD -AS Approach</li> </ul>			

Week 4	UT 1	<ul style="list-style-type: none"> <li>*Saving-Investment Approach</li> <li>*Derivation of saving curve and consumption curve</li> <li>*Investment Multiplier</li> </ul>		<ul style="list-style-type: none"> <li>employment equilibrium on a chart</li> <li>* make a flowchart of instruments of monetary and fiscal policy</li> </ul>	
AUG. Week 1	Ch.6 Human capital Formation in India	<ul style="list-style-type: none"> <li>*Sources of human capital formation</li> <li>*Significance and problems of human capital formation</li> </ul>	<ul style="list-style-type: none"> <li>Discussion Method</li> <li>Interactive lecture Method</li> </ul>	<ul style="list-style-type: none"> <li>*Collect some pictures of channels of alternative marketing and make a collage</li> </ul>	Green board Educomp NCERT Textbook
Week 2	Ch.7 Rural Development	<ul style="list-style-type: none"> <li>*Rural credit and agricultural marketing</li> <li>*Role of cooperative agriculture diversification*Emerging challenges ,organic</li> </ul>	<ul style="list-style-type: none"> <li>Problem Solving Method</li> </ul>		



Week 3	Ch. 9 Problem of Excess and Deficient Demand	farming  *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  Interactive lecture Method		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		*QuizOn different types of taxes  Group discussio	
	Ch. 11				

Week 3	Foreign Exchange Rate	*Flexible and fixed exchange rate *Managed floating *Components of demand and supply for foreign exchange	Problem solving Discussion	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 stainable 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	Interactive Explanation and Case Study Method		

		of BOP			
Week 3	Ch.11 Comparative 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 Method and 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	.....		