

JAIN VIDYA MANDIR SR. SEC. SCHOOL, SONIPAT  
ANNUAL PLANNER (2023)  
CLASS- 11 COMMERCE

English  
XI

Month	Particulars	Activity	Teaching Aids	Methodology
April	<b>Literature:</b> R1:Portrait of a Lady R2: We're Not Afraid to Die S1: The Summer of a Beautiful White Horse P1: A Photograph <b>Grammar:</b> Tenses and Verbs <b>Writing Skills:</b> Notice	<b>Activity1:</b> Jolt down your relationship with your elders.	Hornbill reader, Snapshots, English practice, test materials, chalk-duster smartclass, greenboard, mindmap (self made), classrooms, etc.	Group Discussion, Class Interaction, Explanation, Demonstration, Collaboration, Lecturing, Reading
May	<b>Literature:</b> R3:Discovering Tut S2: The Address S3: Ranga's Marriage P2: The Laburnum Top <b>Grammar:</b> Determiners <b>Writing Skills:</b> Advertisement, Poster	Activity2: share your experience about villege	Hornbill reader, Snapshots, English practice, test materials, chalk-duster smartclass, greenboard, mindmap (self made), classrooms,etc.	Debreifing, Debate, Classroom discussion, enquiry based Lecture, Values Classification, Brainstorming, Demonstration, Problem solving, Reading
June	Summer Break			

July	<b>Literature:</b> R4: Lanscape of the Soul S4: Albert Einstien at School P3: The Voice of the Rain <b>Grammar:</b> Reordering, Error-editind, omission <b>Writing Skills:</b> Letters	<b>Activity3:</b> Role Play Activity	Hornbill reader, Snapshots, English practice, test materials, chalk-duster smartclass, greenboard, mindmap (self made), classrooms,etc.	Debreifing, Debate, Classroom discussion, enquiry based Lecture, Values Classification, Brainstorming, Demonstration, Problem solving, Group Discussion, Reading
August	<b>Literature:</b> R5: The Ailing Planet R6: The Browning Version S5: Mother's Day <b>Grammar:</b> Active Voive and Passive Voice <b>Writing Skills:</b> Report Writing	<b>Activity4:</b> Role Play Activity	Hornbill reader, Snapshots, English practice, test materials, chalk-duster smartclass, greenboard, mindmap (self made), classrooms,etc.	Enquiry based Lectures, Classroom discussion, Demonstration, Explanation, Reading, Debate, Problem solving, Reading
September	<b>Revision and Half-yearly Exams</b>			
October	<b>Literature:</b> <b>R7: The Adventure</b> <b>S6: Birth</b> <b>P4: Childhood</b> <b>Grammar: Modals</b> <b>Writing Skills: Article writing</b>	<b>Activity5:</b> Jot down the changing relationship between the parents and childern	Hornbill reader, Snapshots, English practice, test materials, chalk-duster smartclass, greenboard, mindmap (self made), classrooms,etc.	Enquiry based Lectures, Classroom discussion, Demonstration, Explanation, Reading, Debate, Problem solving, Reading
November	<b>Literature:</b> R8: Silk Road S7: The Tail of Melon City P5: Father to Son <b>Grammar:</b> Clauses <b>Writing Skills:</b> Speech writing	<b>Activity6:</b> Frame few lines of poetry	Hornbill reader, Snapshots, English practice, test materials, chalk-duster smartclass, greenboard, mindmap (self made), classrooms,etc.	Enquiry based Lectures, Classroom discussion, Demonstration, Explanation, Reading, Debate, Problem solving, Reading

December	<b>Literature:</b> S8: The Ghat of Only World	<b>Activity7:</b> Define the role of a doctor in today's generation	Snapshots, English practice, test materials, chalk-duster smartclass, greenboard, mindmap (self made), classrooms,etc.	Enquiry based Lectures, Classroom discussion, Demonstration, Explanation, Reading, Debate, Problem solving, Reading
January	<b>Revision</b>			
February	<b>Revision/Examination</b>			
March	<b>Examinations</b>			

XI

INFORMATICS PRACTICES

MONTH	WEEK	TOPIC	SUB TOPIC	ACTIVITIES	METHODOLOGY	INSTRUCTIONAL/ TEACHING AIDS
April	Week –I	Computer System	Introduction, Basic computer , Input unit, output unit	Group discussion on related topics	1. Lecture cum Discussion Method 2. Illustration Method	White board, marker, duster, pointer, flash o course book
	Week-II		Organization  Types of software, Transition from calculator to computer and smart devices, evolution of			

	<p>Week-III</p> <p>Week-IV</p>	<p>Database Concepts</p>	<p>computers, troubleshooting computer operations</p> <p>Introduction, Purpose of DBMS , Relational Database Model Terminology, Brief History of MYSQL ,</p> <p>MYSQL database system , starting MYSQL, MYSQL and SQL</p>	<p>Students will learn DBMS concepts. Practical demo will be given to them in lab using MYSQL to learning functioning of software</p>	<p>1. Lecture Method</p> <p>2. Brain Storming</p>	<p>White board, marker, duster, pointer, Computer, MYSQL software, course book</p>
<p>May</p>	<p>Week –I</p>	<p>Structured Query Language (SQL)</p>	<p>Introduction , MYSQL Elements, SQL command Syntax, making simple queries</p> <p>(Insert, Update, Delete, Select)</p>	<p>Demonstration of different commands and function will be delivered. And Students will learn with practical practice in lab by creating their databases, tables and different DDL and DML</p>	<p>1. Lecture cum &amp; Demonstration Method</p> <p>2. Illustration method</p>	<p>Black board , chalk , duster, pointer, computer system, database software(MYSQL)</p>

	Week-II		Selectin specific rows	statements.		
	Week-III		Logical operators	Time Bound Team Based Exercise related to different topics and other practical		Black board , chalk , duster, pointer, computer system, Python software
	Week-IV		Order by			
			More on DDL			
June		SUMMER BREAK				
July	Week-I	Getting started with Python	Introduction, Python-Pluses and Minuses, Working in Python ,		1. lecture cum Discussion Method	White board, marker, duster, pointer, computer system, Python Anaconda distribution software
	Week-II		Understanding First Program Script	Practical demo will be given to them to work with Python and students will do their practice in software to be familiar with language	2. Demonstration Method	
		Python	Introduction, Python character set, Tokens,		1. lecture cum Discussion	White board, marker, duster, pointer, computer system, Python Anaconda distribution software

	Week-III	Fundamentals	Barebones of a Python Program ,  Variables and Assignments, Simple Input and Output	basic concepts will be practiced with the help of practical and students will try to use in short modules	Method 2. Demonstration Method 3. Illustration Method	system, Python Anaconda distribution software
	Week-IV					
August	Week-I	Data Handling	Introduction, Data types, Mutable and Immutable types ,  Operators, Expressions	Students will create modules bases on math calculation like :addition, subtraction etc. using different operators and libraries  Module that calculate total selling price and discount ,module related to print three integers in ascending order, to print table of a number like 5, print sum of natural numbers between 1 to10 etc.	1. lecture cum Discussion Method 2. Demonstration Method 3. Illustration Method	White board, marker, duster, pointer, computer system, Python Enacoda distribution software  White board, marker, duster, pointer, computer system, Python Enacoda distribution software
	Week-II					
	Week-III	Flow of Control	Introduction, Types of Statements in Python , Statement Flow Control, if Statements of Python , Repetition of Tasks -, range ( ), looping statements,	1. lecture cum Demonstration Method 2. Brain storming		
	Week-IV					

September	Revision + Half Year Examination					
October	Week-I	List Manipulation	Introduction, Creating and accessing lists, lists operations, Making true copy of a list, list	Program to calculate mean of a given list of numbers, program to search for an element for an element in a given list of a numbers , program to count frequency of a given elements of a given element in a list of numbers. etc.	1. lecture cum Discussion Method 2. Demonstration Method	White board, marker, duster, pointer, computer system, Python Enaco distribution software
	Week-II		functions and methods, nested lists, list manipulation			
	Week-III	Dictionaries	Introduction, Key : Value Pairs, working with dictionaries, dictionary	Manipulation of dictionary with functions : Program to count the frequency of a list element using a dictionary.		
	Week-IV		functions and methods			
November	Week -I	Working with NumPy	Introduction, NumPy Arrays, NumPyDatatyps,creating Numpy arrays	Practical related to arrary NumPy Arrays , Array slices etc. (creating 1D and 2D arrays,	1. lecture cum Discussion Method 2. Demonstration Method	White board, marker, duster, pointer, computer system, Python Enaco distribution software

	Week-II		working with NumPy arrays,	operations performed on arrays)		
	Week-III		Airthmetic operations on numpy arrays			
	Week-IV		Functions with numpy arrays			
December	Week-I	Emerging Trends	Artificial intelligence, robotics,	Time Bound Team Based activity related to different topics.	1. lecture cum Discussion Method	White board, marker,duster, pointer,computer system
	Week-II	(Syllabus completion)	big data,			internet explore software
	Week-III		internet of things , cloud computing,			course book
	Week-IV		grid computing , blockchain technology			



January		Revision				
February		Revision				

XI

TYPOGRAPHY & COMPUTER APPLICATION

MONTH	WEEK	TOPIC	SUB TOPIC	ACTIVITIES	METHODOLOGIES	INSTRUCTIONAL/TEACHING AIDS
April	Week-I	INTRODUCTION TO TYPOGRAPHY	INTRODUCTION , Learning Objectives The Typewriter , Origin. of Typewriter, Importance of Typewriter/Computer ,Categories of Typewriters ,	<ul style="list-style-type: none"> <li>➤ History of typewriter will be given</li> <li>➤ Group discussion will be given on different types of typewriter</li> </ul>	<ol style="list-style-type: none"> <li>1. Lecture cum Discussion Method</li> <li>2. Illustration Method</li> </ol>	White board, marker,duster, pointer, computer system, flash cards course book

	Week-II		<p>Standard Typewriter  ,Noiseless Typewriter  ,Portable Typewriter ,  Electric Typewriter  ,Electronic Typewriter ,  Computers , Laptops</p>			
	Week-III	Keyboard Operations	<p>Introduction  ,Objectives ,Keyboard  ,QWERTY Keyboard ,  Key Types , Character  Keys ,Modifier key,  Sitting Posture ,Chair &amp;  Table Height Guideline  ,Placement of Machine  ,Methods of Keyboard  Operation ,Sight  Method Merits of Sight  Method Demerits of  Sight Method ,Touch  Method of Typing  Merits of Touch  Method Demerits of  Touch Method</p>	<p>Training will be given to  students for touch method of  typing</p> <p>Students will do practice of  different rows using touch  method in typing master</p> <p>After learning all rows of  keyboard paragraph will be  given for practice</p>	1. Lecture Method cum demonstration method	White board, marker, duster, pointer, Computer, typing software ,course book

	Week-4					
May	Week-1	Computer Hardware	Input devices, Output devices,	Hardware parts will be shown to students in lab	1. Lecture cum & Demonstration Method 2. Brain Storming	Black board , chalk , duster, pointer,computer system
	Week-2		Serial ports, Parallel Ports	Serial ports and parallel port of computer will be shown to students		
	Week-3	Windows Operating System	Introduction, Objectives , Logging On ,Switching between Accounts ,Features of the Windows System , Desktop , Icon , Window ,Dialogue Box , Start Menu ,Task Bar ,	Practical knowledge will be given to students based on this chapter  Students will save their files in different memory locations by using their own created folders	1. Lecture Method cum demonstration method	Black board , chalk , duster, pointer, computer system, MS Office

			<p>Tab Menu ,Opening &amp; Closing Application , Manipulating Windows, Maximize , Minimize , Resize , Using Computer Folder , Using window Explorer ,Navigation Pane ,Details Pane , Preview Pane</p> <p>Control Panel , Locating Files and Folders , Search for file or Folder, creating a folder , Deleting a file or folder , Renaming a file or folder</p>			
	Week-4					
June		Summer - Break				



July	Week-4	MS Word(part-1)	<p>Creating a new blank document , Entering text in a document file , Inserting a text , Deleting a text, Selecting a text, Copy &amp; paste text , Drag and drop text ,Finding a text ,</p> <p>Replacing text Using find and replace text , Auto correction , Correction of mistakes , Save As Command , Using Save As command , Using spell check features , Using Grammar check</p>	<p>Creating documents ,editing documents with different features of words will be taught to students</p> <p>Students will practice practical concepts in MS word</p>	<ol style="list-style-type: none"> <li>1. lecture cum Discussion Method</li> <li>2. Demonstration Method</li> </ol>	<p>White board, marker,duster, pointer,computer system, MS office software</p>
August	Week-1					

	Week-2		<p>feature</p> <p>FORMATTING WITH WORD</p> <p>Formatting the text , Changing the text case , Applying bullets &amp; Numbers ,Inserting a new list , Selecting an alternate bullet or number or style , Using a symbol as a bullet ,Changing the bullet colour, Changing the text alignment, Using indents and tabs , Modifying the default settings , Setting a tab stop ,Hanging indent , Setting left, center, right and decimal tab stops</p> <p>Working with text boxes , Using styles and themes , Moving the shapes , Changing of colour scheme ,</p>	Apart from using different features of WORD students		
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	Week-3	MS WORD-PART-2	Managing Documents and customizing word , Document Properties , Using Thesaurus , Advanced Word Features , Creating & Using auto text entries , Working with Tables, Adding footer and header , Adding Footnotes & Endnotes, adding border , Mail Merge	will be learn and practice : Mail merge, work with tables, shapes , images, lists etc.	1. lecture cum Discussion Method 2. Demonstration Method	Black board , chalk , duster, pointer, computer system, MS Office
	Week-4					
September		Revision + Half year Examination				
October	Week-1	Communication Skills	Session 1: Introduction to Communication Session 2: Verbal Communication	Different types of communication will be learn with the help of different activities	1. lecture cum Discussion Method	White board, marker,duster, pointer,computer system



	Week-2		<p>Session 3: Non-verbal Communication</p> <p>Session 4: Pronunciation Basics</p> <p>Session 5: Communication Styles — Assertiveness</p> <p>Session 6: Saying No — Refusal Skills</p> <p>Session 7: Writing Skills — Parts of Speech</p> <p>Session 8: Writing Skills — Sentences</p> <p>Session 9: Greetings and Introduction</p> <p>Session 10: Talking about Self</p> <p>Session 11: Asking Questions</p> <p>Session 12: Talking about Family</p> <p>Session 13: Describing Habits and Routines</p>		2. Brain storming method	
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	Week-1	Self-management Skills	<p>Session 14: Asking for Directions</p> <p>Session 1: Strength and Weakness Analysis</p> <p>Session 2: Grooming</p> <p>Session 3: Personal Hygiene</p> <p>Session 4: Team Work</p> <p>Session 5: Networking Skills Session 6: Self-motivation</p> <p>Session 7: Goal Setting</p> <p>Session 8: Time Management</p>	<p>Time bound activities will be given to students to learn</p> <p>Group discussion will be given to understand the topics</p>	<p>1. lecture cum Discussion Method</p> <p>2. Brain storming method</p>	<p>White board, marker,duster, pointer</p>
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	Week-2					
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December	Week-1	Information and Communication Technology Skills	<p>Session 1: Introduction to ICT</p> <p>Session 2: Basic Interface of LibreOffice Writer 1</p> <p>Session 3: Saving, Closing, Opening and Printing Document</p> <p>Session 4: Formatting Text in a Word Document</p> <p>Session 5: Checking Spelling and Grammar</p> <p>Session 6: Inserting Lists, Tables, Pictures, and Shapes</p> <p>Session 7: Header, Footer and Page Number</p> <p>Session 8: Tracking Changes in</p>	<p>Creating documents ,editing documents with different features of words will be taught to students</p> <p>Students will practice practical concepts in libre Office</p> <p>Apart from using different features of Libre Office students will be learn and practice :</p> <p>Mail merge, work with tables, shapes , images, lists etc.</p>	<p>1. lecture cum Discussion Method</p> <p>2. Demonstration Method</p>	<p>White board, marker,duster, pointer,computer system, Libre Office</p>

	Week-2		LibreOfficeWriterUnit 4:			
December	Week-3  Week-4	Entrepreneurship Skills	<p>Session 1: Introduction to Entrepreneurship  Session 2: Values of an Entrepreneur  Session 3: Attitude of an Entrepreneur</p> <p>Session 4: Thinking Like an Entrepreneur  Session 5: Coming Up with a Business Idea</p> <p>Session 6: Understanding the</p>	Time Bound Team Based activity related to different topics.	1. lecture cum Discussion Method	White board, marker,duster, pointer,computer , internet explore software, Internet, course book



Feb		Revision				

**Yoga  
XI**

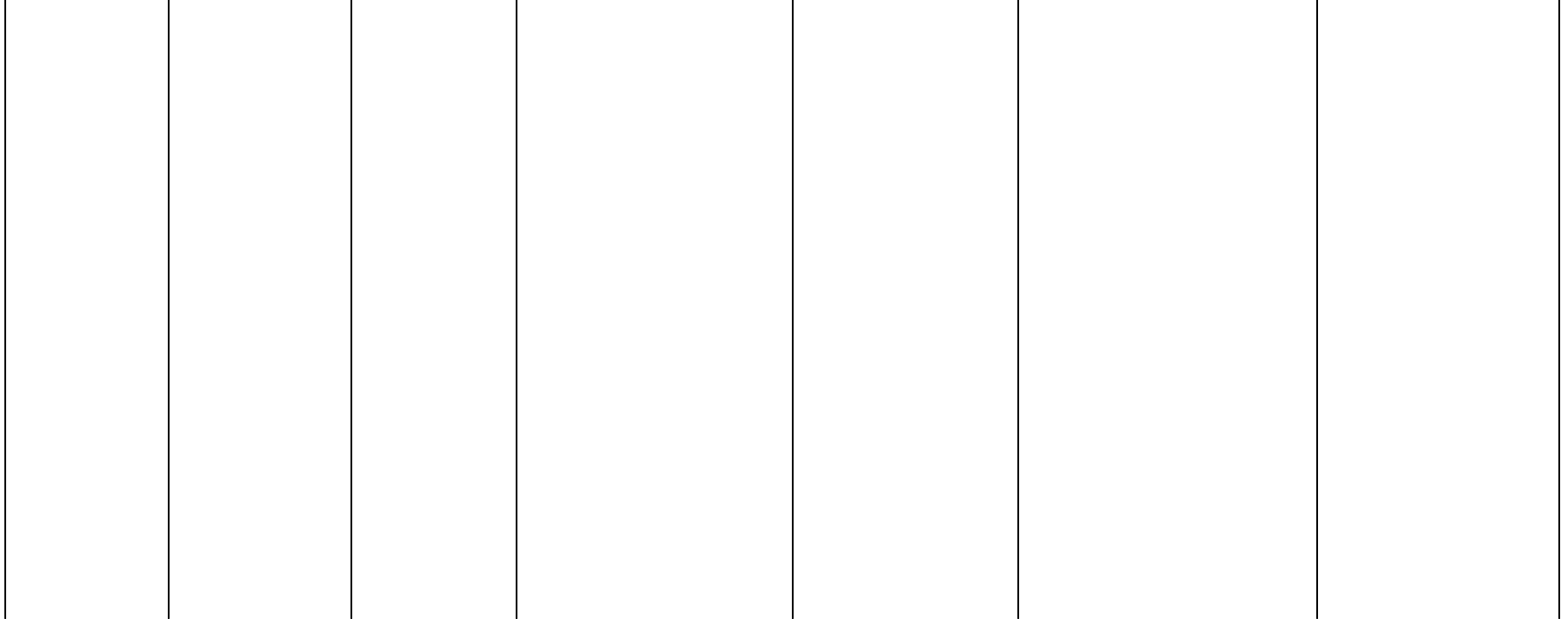
Month	Week	Topic	Sub- topics	Art-Integrated	Methodology	Teaching - Aids
<b>APRIL</b>	<b>week-1,2</b>	Unit-1	Communication Skills	Practice of Halasana, Pawanmuktasana	Explanation	Chalk Board , duster and Smart - class
	<b>week-3,4</b>	Unit-2	Self Management Skills			
<b>May</b>	<b>Week-1,2</b>	Unit-3	ICT-Skills	Practice of Asanas	Yoga Activities Explanation	Chalk Board , duster and Smart - class
	<b>Week-3,4</b>	Unit-4	Entrepreneurial Skills			
<b>June</b>		<b>SUMMER BREAK</b>				

<b>July</b>	<b>Week-1,2</b>	Unit-5	Green Skills	Practice of Dhyana Mudra	Revise and Explanation	Chalk board , duster and Smart - class
	<b>Week-3,4</b>	Revision	Green Skills			



<b>August</b>	<b>Week-1</b>	(Part-B) Unit-1	Introduction to Yoga and Yogic Practices-1	1) Yoga Etymology, definition, Aim, objective and misconception text. 2)Yoga Origin, History and Development. 3)Rules and Regulation to be followed by yoga practitioners. 4)Introduction to major schools of yoga (Janan, Yoga Bhakti,Yoga Karma, Patanjali, Hatha. 5)Introduction to yogic practices (Sukshama Vyayama, Surya Namaskar and Asanas).		Chalk board , duster and Smart - class
	<b>Week-2</b>					
	<b>Week-3</b>					
	<b>Week-4</b>					
<b>September</b>				<b>REVISION</b>		

October	Week-1	Unit-2	Introduction to Yoga Texts-1	<p>1)Introduction and study of patanjali Yoga sutra including memorization of selected Sutra.</p> <p>2)Introduction and study of Gheranda Samhita.</p> <p>3)Introduction of Hata Pradpika.</p> <p>4) Introduction and study of Bhagavad Gita including memorization of selected Slokas.</p>	Chalk board , duster and Smart – class
	Week-2				
	Week-3				
	Week-4				



<b>November</b>	<b>Week-1</b>	Unit-3	Introduction to Yoga and Yogic Practices-2	1) Brief introduction to human Body. 2) Role of Yoga for health promotion. 3)Yogic attitudes and practices. 4) Holistic approach of Yoga towards the health and diseases. 5) Introduction Yoga diet and its relevance and importance in Yoga Sadhana. 6) Dincharya and Ritucharya with respect of Yogic lifestyle.	Chalk board ,duster and Smart – class
	<b>Week-2</b>				
	<b>Week-3</b>				
	<b>Week-4</b>				

<b>December</b>		Unit-5	Yoga for Health Promotion-2			
<b>January</b>		Practicals and lab Activities	Demonstration of skill competency in lab activities and Surya Namaskar			
<b>February</b>		Revision	Revision			
<b>March</b>			Annual Exam			

**PHYSICAL EDUCATION**

**CLASS-XI**

Chapter	Sub Topics	Activities	Methodology	Teaching Aids	
1. changing trends & physical education	i) Meaning & definition of physical education	Make a chart tabulation on the aims and objectives of physical education.	Lecture method	<ul style="list-style-type: none"> <li>• Green board</li> <li>• Educomp smart board.</li> </ul>	
2. Olympic value education	<ul style="list-style-type: none"> <li>• Aims and objectives of physical education</li> <li>• Career option in physical education</li> <li>• Competition in various sports at national and international level</li> <li>• Khelo - India program</li> </ul>	<p>Make a project on carrier options of physical education.</p> <p>Make a flash card on competitions in various sports at national and international level.</p>	Explanation method	<ul style="list-style-type: none"> <li>• Green board</li> <li>• Educomp smart board.</li> </ul>	
3. Yoga	<ul style="list-style-type: none"> <li>• Olympics, Paralympics and special Olympics</li> <li>• Olympic, symbols, ideals, objectives &amp; value of Olympics</li> <li>• International Olympic</li> </ul>	<p>Make a chart on Olympic symbols.</p> <p>Make a project on Olympic, Para Olympic and special Olympics.</p> <p>Make an explanation on international Olympic committee and Indian Olympic Association.</p> <p>Make a flashcard on the importance of Yoga.</p> <p>Make a chart on the</p>	Interactive method	<ul style="list-style-type: none"> <li>• Green board</li> <li>• Educomp smart board.</li> </ul>	

<p>4.Physical education &amp; sports for CWSN children with specific need divang.</p>	<p>committee.</p> <ul style="list-style-type: none"> <li>Indian Olympic association.</li> </ul> <p>Meaning &amp; importance of yoga Elements of yoga. Introduction – Asanas, pranayam, meditation &amp; yogic kriyas. Summer break</p>	<p>asanas, pranayamas, meditation and yogic kriyas.Make a project on elements of yoga.</p>	<p>Explanation method</p>	<ul style="list-style-type: none"> <li>Green board</li> </ul>	
<p>5.Physical fitness, wellness &amp; lifestyle</p>		<p>Make a chart on the components of physical fitness and wellness.</p> <p>Make a project on the importance of physical fitness, wellness and lifestyle.</p> <p>Make a flash card on health related fitness.</p>	<p>Interactive method</p>	<ul style="list-style-type: none"> <li>Green board</li> </ul>	





	<p>and implementation.</p> <ul style="list-style-type: none"> <li>• Role of various professionals for children with special need.</li> <li>• Counsellar, occupational, therapist physiotherapist, physical education teacher, speech, therapist &amp; special education.</li> </ul> <ul style="list-style-type: none"> <li>• Leadership qualities &amp; role of a leader</li> <li>• Creating leaders through physical education</li> <li>• Meaning, objectives &amp;</li> </ul>	<p>Make a flashcard on leadership qualities.</p> <p>Make a chart on the types of adventure sports( rock climbing, trekking, river rafting, mountaineering, surfing and paragliding).</p> <p>Make a project on safety measures to prevent sports injuries.</p> <p>Make a chart measurement of health related fitness.</p>	<p>Explanation method</p> <p>Demonstration method</p>		
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7. fundamentals of anatomy physiology & kinesiology in sports.	<p>types of adventure sports ( rock climbing, tracking, river, rafting, mountaineering, surfing and paragliding.</p> <ul style="list-style-type: none"> <li>• Safety measures to prevent sports injuries.</li> </ul>	<p>Make a chart showing importance measurement and evaluation in sports.</p>			
8. Fundamentals of kinesiology and biomechanical in sports	<p>Revision</p> <ul style="list-style-type: none"> <li>• Defining and importance of anatomy, physiology &amp; kinesiology.</li> </ul>	<p>Make a flashcard on the classification of bones and types of bones.</p> <p>Make a project on the functions and structures of respiratory and circulatory systems.</p>	Explanation method	<ul style="list-style-type: none"> <li>• Green board</li> </ul>	
9. psychology & sports .	<ul style="list-style-type: none"> <li>• Function of skeleton system and circulatory system.</li> <li>• Properties and function of muscles.</li> </ul>	<p>Make a chart on equilibrium- dynamic and static and centre of gravity</p> <p>Make a project on the development characteristics at different stages of development.</p>		<ul style="list-style-type: none"> <li>• Green board</li> </ul>	
10. Training and doping in sports.	<ul style="list-style-type: none"> <li>• Equilibrium – dynamic &amp; static and centre of gravity and its</li> </ul>	<p>Make a flashcard on adolescent problems and their management.</p> <p>Make a chart on difference between Growth and development.</p> <p>Make a flashcard of the principles of sports</p>	Explanation method		

November	application in sports	training.			
December	<ul style="list-style-type: none"> <li>• Definition &amp; importance of psychology in physical education &amp; sports.</li> <li>• Adolescent problems &amp; their management.</li> <li>• Meaning and concept of sports training.</li> <li>• Principle of sports training.</li> <li>• Warming up &amp; limbering down.</li> <li>• Skill, technique &amp; style</li> <li>• Concept &amp; classification of doping</li> </ul>	<p>Make a chart on the Warming up and Limbering down.</p>		<ul style="list-style-type: none"> <li>• <b>Green board</b></li> </ul>	<ul style="list-style-type: none"> <li>• <b>Green board</b></li> <li>• <b>Educomp smart board</b></li> </ul>

	<b>Revision</b>				
	<b>Annual Examination</b>				
January					
February					

**Class 11**  
**Subject- Accountancy**

Month	Topic	Subtopics	Methodology	Activity	Instructional Aids
APRIL	Part A: Financial Accounting Unit 1: Theoretical Framework  Week 1 to week 4	Introduction to Accounting  Theory Base of Accounting	Problem solving discussion	Do some imaginary transactions	Green board Educomp NCE RT Textbook
MAY	Unit 2: Accounting Process Week 1 to week 2  Week 3 to week 4	process and Bases of Accounting Accounting Standards (IFRS)  Recording of Business Transactions (accounting Equation) Recording of Business transaction <ul style="list-style-type: none"> <li>• Journal Entry</li> </ul>	Problem solving discussion	Make your own account terminology	Green board Educomp NCERT Textbook

JUNE	Summer Break				
JULY	Unit 2: Accounting Process week 1	<ul style="list-style-type: none"> <li>• Ledger posting</li> </ul>	Problem solving discussion	Ask to any vendor about his accounting record method	Green board Educomp NCERT Textbook
Unit test 1	Week 2	Revision of unit test			
	Week 3 & 4	<ul style="list-style-type: none"> <li>• Cash Book</li> <li>• Subsidiary books</li> <li>• GST (Journal)</li> </ul>			
AUG.	Part B: Financial accounting II Week 1 & 2	<ul style="list-style-type: none"> <li>• Bank Reconciliation statement</li> </ul>	Problem solving discussion	Make your project with 3 months transactions	Green board Educomp NCERT Textbook
	Week 3 & 4	<ul style="list-style-type: none"> <li>• Depreciation</li> <li>• Provisions and Reserves</li> <li>• Trial Balance and</li> </ul>			

		Rectification of errors			
SEPT.	Week 1 & 2	REVISION			
	Week 3 & 4	HALF YEARLY EXAMS			
OCT.	UNIT -3 Final Account  Week 1 to week 4	<ul style="list-style-type: none"> <li>Final Accounts :  Trading and Profit &amp; Loss Account and Balance Sheet</li> </ul>	Problem solving discussion	Visit to bank and try to gain some knowledge about cheque and passbook etc.	Green board Educomp NCERT Textbook
NOV.	UNIT -4 Week 1 to week 4	<ul style="list-style-type: none"> <li>Revision Unit test - 2</li> </ul>	Problem solving discussion	Comparison of double entry system and single entry system	Green board Educomp NCERT Textbook
DEC.			Problem		Green

		<ul style="list-style-type: none"> <li>• Submission of Project</li> </ul>	solving discussion		board Educomp NCERT Textbook
JAN.	Winter break & revision	Revision			
FEB.		Final Exams			

**Class 11**  
**Subject- Business studies**

Month	Topic	Subtopics	Methodology	Activity	Instructional Aids
APRIL	Unit-1 Week 1 to 4	Evolution and Fundamental of Business	Interactive And explanation	Mind map	Green board Educomp NCERT Textbook
MAY	Unit-2 Week 1 to 4	<ul style="list-style-type: none"> <li>• Forms of Business Organisation</li> </ul>	Interactive And explanation	Mind map	Green board Educomp NCERT Textbook



JUNE	Summer Break				
JULY	Unit-3  Week 1 to 4  Unit – 4  Unit - 5	<ul style="list-style-type: none"> <li>• Public, Private and Global Enterprises</li> <li>• Business Services</li> <li>• Emerging modes of business</li> </ul>	Interactive and explanation	Mind map	Green board Educomp NCERT Textbook
AUG.	Unit -6  Week 1 & 2  Unit -7 Week 3 & 4	<ul style="list-style-type: none"> <li>• Social responsibility of a business</li> <li>• Sources of finance</li> </ul>	Interactive And explanation	Mind map	Green board Educomp NCERT Textbook
SEPT.	REVISION AND HALF YEARLY EXAMS				
OCT.	Unit-8  Week 1 & 2	<ul style="list-style-type: none"> <li>• Small Business and</li> </ul>	Interactive And explanation	Mind map	Green board Educomp NCERT Textbook

	UNIT -9 Week 3 & 4	Enterprises  • Internal Trade			
NOV.	UNIT -10 Week 1 to 4	International Business	Interactive And explanation	Mind map	Green board Educomp NCERT Textbook
DEC.		Import and export WTO IMF	Interactive And explanation		Green board Educomp NCERT Textbook
JAN.	Winter break	Revision			
FEB.	Revision and	Final Exams	Interactive		

**Class 11<sup>th</sup>( Economics)**

Month	Topic	Subtopics	Methodology	Art integrated Activity	Instructional Aids
APRIL					
Week 1	<b>Statistics for Economics</b> Ch.1 -- Concept of Economics and Significance, scope, and functions of Statistics in Economics	*What is economics ? *What is Statistics? * Importance of Statistics in Economics	Problem solving discussion	Write two such pairs of statistical variables that show cause and effect relationship with each other	Green board Educomp NCERT Textbook
Week 2	Ch.2 -- Collection of Data	* Primary and Secondary Sources of Data *Modes of Data Collection			
Week 3	<b>Part B: Introductory Microeconomics</b> Ch.1- Economics and Economy	*What Economics is about ? *Micro and Macro economics *Positive and normative economics *Nature and types of economy	Lecture method		Green board Educomp NCERT Textbook
Week 4		*Central problems		Group discussion on different central	

<p>MAY Week 1</p>	<p>Ch.2- Central Problems of an Economy</p> <p>Ch. 3 Census and Sample methods of Collection of Data</p>	<p>of an an economy *Production Possibility curve *The concept of opportunity cost</p> <p>*Census method *Sample method *Important sources of secondary data</p>	<p>Problem Solving method</p> <p>Problem solving discussion</p>	<p>problems of any economy</p> <p>Group discussion on which method Census or sample would you prefer if you are to study economic conditions of the people in your area?</p>	<p>Green board Educomp NCERT Textbook</p>
<p>Week 2</p> <p>Week 3</p>	<p>Ch.4. Organisation of Data</p> <p>Ch.-- 3 Consumer's Equilibrium Utility Analysis</p>	<p>* Concept of variable; frequency distribution</p> <p>*Concept and Measurement of Utility *Law of of diminishing marginal utility *Consumer Equilibrium with the help of Utility Analysis</p>	<p>Problem solving discussion</p> <p>Lecture method And Demonstration Method</p>	<p>Draw the diagram and the table of diminishing marginal utility on A4 size sheet</p>	<p>Green board Educomp NCERT Textbook</p>

Week 4	Ch - 4 Consumer's Equilibrium Indifference Curve Analysis	*Consumer's Equilibrium *Indifference set and indifference curve *Properties of indifference curve *Budget Set, Budget Line	Demonstration Method	Draw the diagrams of rotation and shifting of budget line on a chart	Green board Educomp NCERT Textbook
JUNE	SUMMER	BREAK	.....	.....	.....
JULY					
Week 1	Ch.5 Presentation of Data Textual and Tabular Presentation	Textual presentation Tabular presentation	Problem solving discussion	*A project on - Collect the data, how much teachers cast their votes in your school and show this data with the help of bar diagrams and graphs	Green board Educomp NCERT Textbook
Week 2	Ch.6 Diagrammatic Presentation of data- Bar Diagrams and Pie Diagrams	Bar diagrams and its types Pie or circular diagrams			
Week 3	Ch. 5 Theory of Demand	*Concept of demand and Determinants *Movement and Shifting of demand	Problem solving and Demonstration method		Green

Week 4	Ch. 6 Price Elasticity of Demand	<p>curve</p> <ul style="list-style-type: none"> <li>*Demand schedule</li> <li>*Demand curve and its slope</li> <li>*Concept of Elasticity of Demand</li> <li>*Measurement of price elasticity of demand</li> <li>*Percentage change and total expenditure method</li> </ul>	Brain Storming Method	Work Sheets on numericals of calculating price elasticity of demand	board Educomp NCERT Textbook
AUG					
Week 1	Ch.7 Frequency Diagrams : Histogram, Polygon and Ogive	<ul style="list-style-type: none"> <li>*Histogram</li> <li>*Polygon</li> <li>*Frequency curve</li> <li>Ogive</li> </ul>	Problem solving discussion	Draw different types of Bar Diagrams and Histogram on a chart	Green board Educomp NCERT Textbook
Week 2	Ch.8 Arithmetic line : Graphs or Time Series Graph	<ul style="list-style-type: none"> <li>*Construction of a Time series graph, Merits and Limitations</li> </ul>	Demonstration Method		
Week 3	Ch. 7 Production Function and Returns to factor	<ul style="list-style-type: none"> <li>*Concept of production function</li> <li>* Concept of TP, MP and AP</li> </ul>	Interactive and		

Week 4	Ch. 8 Concepts of Cost	<ul style="list-style-type: none"> <li>*Returns to A factor</li> <li>*Concept of Cost</li> <li>Short run Cost of production</li> <li>*Relations between Average ,Marginal and Total Cost</li> </ul>	<p>lecture method</p> <p>Lecture and Demonstration Method</p>	<p>Draw diagrams showing relation between *TC,TVC, TFC</p> <p>*AC,AVCand AFC</p>	<p>Green board Educomp NCERT Textbook</p>
SEPT.	REVISION	AND HALF	YEARLY	EXAMS	.....
OCT. Week 1	Ch.9 Measures of Central tendency -- Arithmetic Mean	<ul style="list-style-type: none"> <li>*Concept of Central tendency</li> <li>*Purpose and functions of averages</li> <li>*Arithmetic mean by all methods</li> </ul>	Problem solving		Green board Educomp NCERT Textbook
Week 2	Ch. 10 measures of Central tendency --- Median	<ul style="list-style-type: none"> <li>*Calculation of median for different types of statistical series</li> <li>*Graphical determination of median</li> </ul>	Problem	Worksheets on the numericals of mean, median and mode	

Week 3	Ch. 10 Mode (Cont.)	*Mode and its Calculation by arithmetic mean and median	Solving Method		Green board Educomp NCERT Textbook
Week 4	Ch.9 Concept of Revenue	What is is revenue? T R, M R and AR Firms Revenue curve in different markets	Interactive and lecture method	Draw the diagram of relationship between TR,AR and MR on a chart	
	Ch.10 producer's equilibrium (Deleted)	Concept of producer equilibrium Conditions of producer's equilibrium			
NOV. Unit test - 2	Ch.11 measures of dispersion (Deleted)	What is dispersion? Methods of measuring dispersion Standard deviation	Problem solving discussion	Worksheets	Green board Educomp NCERT Textbook
Week 2	Ch. 12 Correlation	*Meaning and properties *Scatter Diagram *Karl Pearson	Problem Solving Method	Numericals based work sheets	Green board Educomp NCERT



Week 3	Ch.11 Theory of Supply	<p>methods Two variables; ungrouped data *Spears-man Rank Correlation</p> <p>Concept of supply Supply schedule Supply curve and its slope Law of supply</p>	Lecture method	Group discussion on different types of Market with examples	Textbook
Week 4	Ch. 12 Forms of Market	Perfect Competition and its features	Lecture method		
DEC. Week 1	Ch.13 Index numbers	<p>*Meaning, types- *wholesale price index *consumer price index *index of industrial production * uses of index number, inflation and index number</p>	Problem solving discussion	Numericals based work sheets	Green board Educomp NCERT Textbook
Week 2	Ch.13 Market Equilibrium under Perfect Competition and Effects of Shifts	<p>*Concept of market equilibrium *Determination of market equilibrium</p>	Interactive and lecture method	Draw the diagrams of price ceiling and price flooring on a	

	in Demand and Supply			chart	
JAN.	WINTER	BREAK	.....	.....	..... ...
FEB.	Revision and	Final Exams			

**CLASS-XI**

**SUBJECT- MATHS**

**BOOK:NCERT**

<b>MONTH</b>	<b>CHAPTER</b>	<b>TOPICS</b>	<b>Art Integrated activity</b>	<b>METHODOLOGY</b>	<b>TEACHING AIDS/INSTRUCTIONAL AIDS</b>
<i>APRIL</i>					
WEEK 1 WEEK 2	<b>Sets</b>	Sets and their representations. Empty set. Finite and infinite sets. Equal sets. Subsets. Subsets of a set of real numbers especially intervals (with notations). Power set. Universal set. Venn diagrams. Union and intersection of sets. Difference of sets. Complement of a set. Properties of Complement.	Make attractive Venn diagram to show: 1. $A \cup B$ 2. $A - B$ 3. Only A 4. Draw a sketch of John venn	Explanation by Venn diagram, Learning by doing.	Chalk board, Duster, Smart Class

<p>APRIL WEEK 3 WEEK 4</p>	<p><b>Relations and Functions</b></p>	<p>Ordered pairs. Cartesian product of sets. Number of elements in the Cartesian product of two finite sets. Cartesian product of the set of real of itself (up to <math>R \times R \times R</math>). Definition of relation, pictorial diagrams, domain, co-domain and range of a relation. Function as a special type of relation. Pictorial representation of a function, domain, co-domain and range of a function. Real valued functions, domain and range of these functions, constant, identity, polynomial, rational, modulus, signum, exponential, logarithmic and greatest integer functions, with their graphs. Sum, difference, product and quotients of functions.</p>	<p>1. <i>To distinguish between a relation and function using thread and bangle.</i> 2. <i>Draw an attractive graph of constant function,</i> 3. <i>modulus function</i> 4. <i>signum function using graph and thread</i></p>	<p>Demonstration , Graphic organizers, problem solving.</p>	<p>Chalk board, duster, arrow diagram on chart, smart class.</p>
<p>MAY</p>	<p><b>Trigonometric Functions</b></p>	<p>Positive and Negative angles. Measuring angles in radians and</p>	<p>Draw curve of:</p>		

<p>WEEK 1 WEEK 2</p>		<p>degrees and conversion from one measure to another. Definition of trigonometric functions with the help of unit circle. Truth of the identity <math>\sin^2x + \cos^2x = 1</math>, for all <math>x</math>. Signs of trigonometric functions. Domain and range of trigonometric functions and their graphs. Expressing <math>\sin(x \pm y)</math> and <math>\cos(x \pm y)</math> etc. in the terms of <math>\sin x</math>, <math>\sin y</math>, <math>\cos x</math> and <math>\cos y</math> and their simple applications. Deducting all the identities like:</p> <p><math>\tan(x \pm y)</math>, <math>\cot(x \pm y)</math>, <math>\sin \alpha \pm \sin \beta</math>, <math>\sin 2x</math> etc.</p>	<p>1. sine 2. cosine 3. Tangent with the help of sketch or thread</p> <p>make a A4 Size sheet and write all formula of trigo</p>		
<p>MAY WEEK 1 WEEK 2</p>	<p><b>Complex Numbers and Quadratic</b></p>	<p>Need for complex numbers, especially <math>\sqrt{-1}</math>, to be motivated by inability to solve some of the quadratic</p>	<p>1. make a curve of parabola</p>		<p>Chalk board, Duster,</p>

<p>WEEK 3 WEEK 4</p>	<p><b>Equations</b></p>	<p>equations. Algebraic properties of complex numbers. Argand plane</p>	<p>using sketch</p>		<p>Smart Class</p>
	<p><b>Linear Inequalities</b></p>	<p>Linear inequalities. Algebraic solutions of linear inequalities in one variable and their representation on the number line.</p>	<p>To verify that the graph of a given inequality, say <math>5x + 4y - 40 &lt; 0</math>, of the form <math>ax + by + c &lt; 0</math>, <math>a, b &gt; 0</math>, <math>c &lt; 0</math> represents only one of the two half planes.</p>		<p>Chalk board, Duster, Smart Class</p>

UNIT TEST					
<p><i>JULY</i> <i>WEEK 1</i> <i>WEEK 2.</i></p>	<p><b>Permutat-ions and Combinat-ions</b></p>	<p>Fundamental principle of counting. Factorial n. (n!) Permutations and combinations, derivation of Formulae permutation and combination, simple applications.</p>	<p>1.To find the number of ways in which three cards can be selected from given five cards. 2.Make a diagram to show all the ways of approaching school 3. make a game</p>	<p>Explanation, Brain storming</p>	<p>Chalk board, Duster, Smart Class</p>
<p><i>WEEK 3</i> <i>WEEK 4</i></p>	<p><b>Binomial Theorem</b></p>	<p>History, statement and proof of the binomial theorem for positive integral indices. Pascal's triangle, simple applications.</p>			

			<p>on Permutations</p> <p>To construct a Pascal Triangle and to write binomial expansion</p>		
<i>SEPTEMBER</i>	Revision and Half Yearly Exams				
<i>AUGUST WEEK 1 WEEK 2</i>	<b>Sequence and Series</b>	Sequence and series. Arithmetic Mean (A.M.) Geometric Progression (G.P.), general terms of G.P., sum of n terms of a G.P., infinite G.P. and its sum, geometric mean (G.M.), relation between A.M. and G.M. Formulae for the sums.	<p>1.To obtain formulae for the sum of squares of first n natural numbers.</p> <p>2. Make pattern on AP</p> <p>3.Make PATTERN ON G.P</p> <p>3. Fibonacci spiral art</p>	Discovery Method, Problem Solving, Project	Chalk board, Duster, Smart Class, Models

<p>SEPT —BER</p>	<p><b>Introduction to Three-dimensional Geometry</b></p>	<p>Revision and Half Yearly Exams</p>			
<p>OCTOBER R WEEK 1 WEEK 2</p>		<p>Coordinate axes and coordinate planes in three dimensions. Coordinates of a point. Distance between two points</p>	<p>1.To make model of octants 2. make any 3d sketch /pattern /graphics 3.show derivation of distance formula</p>		
<p>WEEK 3 WEEK 4</p>	<p><b>Probability</b></p>	<p>Random experiments, outcomes, sample spaces (set representation). Events, occurrence of events, 'not', and 'or' events, exhaustive events, mutually exclusive events, axiomatic (set theoretic) probability, connections with other theories of earlier classes. Probability of an event, probability of 'not', 'and' and 'or' events.</p>	<p>1.To show the sample space through coin when it is tossed once, two times, three times, four times.</p>		





<p>WEEK 3 WEEK 4</p>		<p>Standard equations and simple properties of parabola, ellipse and hyperbola. Standard equation of a circle.</p>	<p>To construct different types of conic</p> <ol style="list-style-type: none"> <li>1. Circle</li> <li>2. Ellipse</li> <li>3. Parabola</li> <li>4. Make fun images using conics</li> </ol>		
<p>DECEMBER WEEK 1 AND 2</p>	<p><b>Limits and Deratives</b></p>	<p>Derivative introduced as rate of change both as that of distance function and geometrically. Intuitive idea of limit. Limits of polynomials and rational functions trigonometric exponential and logarithmic functions. Definition of derivative relate it to slope of tangent of the curve, derivative of sum, difference, product and quotient of functions. Derivates of polynomial and trigonometric functions.</p>	<p>Verification of geometrical significance of derivatives.</p>	<p>Problem Solving, Explanation</p>	<p>Chalk board, Duster, Smart Class</p>

<p>WEEK 3 WEEK 4</p>	<p><b>Statistics</b></p>	<p>Measures of Dispersion: Range, Mean Deviation, variance and standard deviation of ungrouped/grouped data.</p>			
<p>JANUAR Y</p>	<p>UNIT TEST-2</p>				
<p>FEBRU- ARY</p>	<p>REVISION AND ANNUAL EXAMS</p>				
<p>MARCH</p>	<p>ANNUAL EXAMS</p>				