Month	Topic	Objectives	Methodology of teaching /Art of teaching	Learning Outcome
April	The Last Lesson My Mother at Sixty Six	By the end of the Chapters and poems learners will be able to- - access knowledge and information through reference skills (consulting a dictionary / thesaurus, library, internet, etc. -develop curiosity and creativity through extensive reading -read and comprehend texts -identify the poetic devices - read poems effectively (with proper rhythm and intonation)	Explanation, Discussion, PowerPoint Presentation	Students can now- - read and comprehend texts -identify the poetic devices - read poems effectively (with proper rhythm and intonation -access knowledge and information through reference skills (consulting a dictionary / thesaurus, library, internet, etc.
	Notice Writing	By the end, learners will be able to- -Write formal notice to display on the display board	Explanation, Discussion, PowerPoint Presentation	Students can now- - Write formal notice to display on the display board
	Advertisem ent	By the end, learners will be able to- -Write an advertisement	Explanation, Discussion, PowerPoint Presentation	Students can now- - Write an advertisement
May	Lost Spring An Elementary School in a Slum	By the end of the Chapters and poems learners will be able to- - Access knowledge and information through reference skills (consulting a dictionary / thesaurus, library, internet, etc. -develop curiosity and creativity through extensive reading -read and comprehend texts -identify the poetic devices - read poems effectively (with proper rhythm and	Explanation, Discussion, PowerPoint Presentation	Students can now- - read and comprehend texts -identify the poetic devices - read poems effectively (with proper rhythm and intonation -access knowledge and information through reference skills (consulting a dictionary / thesaurus, library, internet, etc.

		intonation)		
	Letter Writing	By the end learners will be able to- write formal/informal letters and applications for different purposes	Explanation, Discussion, PowerPoint Presentation	Students can now- -write formal/informal letters and applications for different purposes
	Article Writing	By the end learners will be able to- -write articles on any given issue	Explanation, Discussion, PowerPoint Presentation	Students can now- -write articles on any given issue
July	Deep Water Keeping Quiet	By the end of the Chapters and poems learners will be able to- - access knowledge and information through reference skills (consulting a dictionary / thesaurus, library, internet, etc. -develop curiosity and creativity through extensive reading -read and comprehend texts -identify the poetic devices - read poems effectively (with proper rhythm and intonation)	Explanation, Discussion, PowerPoint Presentation	Students can now- - read and comprehend texts -identify the poetic devices - read poems effectively (with proper rhythm and intonation -access knowledge and information through reference skills (consulting a dictionary / thesaurus, library, internet, etc.
	Comprehen sion Passages	By the end learners will be able to- -skim for main ideas and scan for details -understand the writer's purpose and tone	Explanation, Discussion,	Students can now- -skim for main ideas and scan for details -understand the writer's purpose and tone
	Report Writing	By the end learners will be able to- -write a report on any event or news	Explanation, Discussion, PowerPoint Presentation	Students can now- --write a report on any event or news
August	The Third Level The Enemy	By the end of the Chapters learners will be able to- - access knowledge and information through reference skills (consulting a dictionary / thesaurus, library, internet, etc. -develop curiosity and creativity through extensive reading -read and comprehend texts	Explanation, Discussion, PowerPoint Presentation	Students can now- - read and comprehend texts -access knowledge and information through reference skills (consulting a dictionary / thesaurus, library, internet, etc.

	Comprehension Passages	By the end learners will be able to- -skim for main ideas and scan for details -understand the writer's purpose and tone	Explanation, Discussion,	Students can now- -skim for main ideas and scan for details -understand the writer's purpose and tone
	Formal/Informal Invitation and reply	By the end learners will be able to- -write a formal or informal invitation for any event and its reply	Explanation, Discussion, PowerPoint Presentation	Students can now- -write a formal or informal invitation for any event and its reply

Month	Topic	Objectives	Methodology of teaching	Learning outcomes
April	Electrostatics	Chapter–1: Electric Charges and Fields Electric Charges; Conservation of charge, Coulomb's law-force between two-point charges, forces between multiple charges; superposition principle and continuous charge distribution. Electric field, electric field due to a point charge, electric field lines, electric dipole, electric field due to a dipole, torque on a dipole in uniform electric field.	Descriptive discussion and lecture methods are used for the understanding of students about the basic concept of current and electricity then we move towards the audio visual AIDS and audio visual lectures as well as presentations on various topics related to the chapter being provided to the students. Different videos has been shared with the students depending upon the methods of working so they have the practical as well as mathematical knowledge of the different derivations of the various concepts included in this chapter	starting from the basic introduction students have the clear idea about the definitions and various terms included in this chapter they learn about electric charge various conservation laws different type of forces exist in nature distribution of charges monopole dipole torque acting on the dipole and electric field they understood the costume and its applications and they can apply to solve the mathematical problems

		Electric flux, statement of Gauss's theorem and its applications to find field due to infinitely long straight wire, uniformly charged infinite plane sheet		
May	Electrostatics	Chapter−2: Electrostatic Potential and Capacitance Electric potential, potential difference, electric potential due to a point charge, a dipole and system of charges; equipotential surfaces, electrical potential energy of a system of two point charges and of electric dipole in an electrostatic field.	""	students have done about the various basic terms and definitions related to the potential difference and capacitance in electrostatics they have learnt about the dipole and a system of charges electrical potential in a system of points charges They have learn about conductor and insulators dielectrics and various terms included in this topic has

| | | Conductors and insulators, free charges and bound charges inside a conductor.

Dielectrics and electric polarisation, capacitors and capacitance, combination of

capacitors in series and in parallel, capacitance of a parallel plate capacitor with and

without dielectric medium between the plates, energy stored in a capacitor. | | a range the series and parallel system for resistors and capacitors |
|---|---|---|---|---|
| June | Current electricity | Chapter−3: Current Electricity

Electric current, flow of electric charges in a metallic conductor, drift velocity, mobility | ' | by the ending of the chapters students are able to know about the current and electricity they can understand the how current is flow through |

		and their relation with electric current; Ohm's law, electrical resistance, V-I		metallic conductor and how its velocity corrected in various factors that is related to the movement of charge they have also learn about how voltage vary across the current and characteristics
		characteristics (linear and non-linear), electrical energy and power, electrical resistivity		
		and conductivity; temperature dependence of resistance.		The launch to calculate the resistance in series potential difference EMF the combination of cells in series and parallel combination they have understood of laws which stone bridge principle to find out the existence of an unknown resistor they also saw all the mathematical
		Internal resistance of a cell, potential difference and emf of a cell, combination of cells		
		in series and in parallel, Kirchhoff's laws and simple applications, Wheatstone bridge,		
		metre bridge(qualitative ideas only)		

		Potentiometer - principle and its applications to measure potential difference		problems related to the various topics
July	Magnetic effect of current and magnetism	Chapter–4: Moving Charges and Magnetism Concept of magnetic field, Oersted's experiment. Biot - Savart law and its application to current carrying circular loop. Ampere's law and its applications to infinitely long straight wire. Straight and toroidal solenoids (only qualitative treatment), force on a moving charge in uniform magnetic and electric fields	"	after the completion of electricity they moved toward the chapter of magnetism and after the completion of this chapter they are able to understand how magnetic field has included in it learn about t current loops , ampere laws and its applications. tabla on the concept of solenoid electric field force acting on a current carrying conductor and between parallel plate conductors they have learn about the uniformity of magnetic fields. They

		Force on a current-carrying conductor in a uniform magnetic field, force between two parallel current-carrying conductors -definition of ampere, torque experienced by a current loop in uniform magnetic field; moving coil galvanometer-its current sensitivity and conversion to ammeter and voltmeter.		have used all the learn concepts in numerical problems which provided them the better understanding of the concept
August	Magnetic effect of current and magnetism	Chapter−5: Magnetism and Matter Current loop as a magnetic dipole and its magnetic dipole moment, magnetic dipole moment of a revolving electron,	"	initially from the basic definitions and terms they have the great idea about the magnetism and how it goes to the matter was then the learn the concept of dipole and magnetic

		bar magnet as an equivalent solenoid, magnetic field		moment
				Then they learnt the magnetic moment of revolving electron and how it will lead to the the Earth's magnetic field.
		lines; earth's magnetic field and magnetic elements.		
		Unit IV: Electromagnetic Induction and Alternating Currents		

Month	No of days	Name of unit	Topic	Learning objectives or skills to be developed	Assignment and Activity	Learning outcomes
April	08	Solid state	General characteristics of solid:	describe general characteristics of solid:		The learner will be able to know about the characteristics of solid
			Classification of solids	distinguish between amorphous and crystalline solids	Worksheet-1	The learner will be able to know about the difference between amorphous and crystalline solids
			Types of unit cell	Classify crystalline solids on the basis of the nature of binding forces:		The learner will be able to know about the types of crystalline solids on the basis of nature of binding forces.
			Types of packing and efficiency of packing in solids	Define crystal lattice and unit cell, explain close packing of particles, describe different types of voids and close-packed structure	EX -1.3	The learner will be able to know about the packing and efficiency of packing in solid
			Density of unit cell	Correlate the density of a substance with its unit cell properties		The learner will be able to find out the density of solids and solve the numerical based on it
			Imperfection of solids	Describe the imperfections in solid and their effect on properties	Worksheet 1A	The learner will be able to understand the different type of imperfections
			Electrical and magnetic properties of solids	Correlate the electrical and magnetic properties	Worksheet sheet 1B	learner will be able to know about electrical and magnetic properties of solid
April	08	Solutions	Types of solutions	Describe different types of solutions	Ex 2.1	Learner will be able to know about different types of solutions
			Concentration of the solution in different units	Express concentration of the solution in different units	Ex2.2	Learner will be able to understand the concentration of solution in different units

			Henry's law raoult's law	State and explain Henry's law and RaoultLaw	Worksheet	Learners will be able to understand Henry's law and Raoult law and its application in life
			Ideal and non ideal solutions	Distinguish between ideal and non ideal solutions		Learner will be able to understand the difference between ideal and non ideal solutions
			colligative properties	Describe colligative properties and correlate these with molecular masses of the solute	Worksheet 2A	Learner will be able to know that what is colligative property and how to determine the molecular mass of solute
May	07	Unit 3 Electroche mistry	Electrochemic al cell	Describe an electrochemical cell and differentiate between Galvanic and electrolytic cell, define Standard potential of the cell	Ex3.1	learners will be able to understand the differences between Galvanic and electrolytic cell
			Nernst equation	Use Nernst eq for calculating the EMF of the Galvanic cell developed relation between Standard potential of the cell and. Gibbs energy of the reaction and its equilibrium constant	Work sheet 3	Learner will be able to understand to calculate the EMF of Galvanic cell and Gibbs energy of reaction and its equilibrium constant
			Electrolytic conductors conductivity and molar conductivity	Differentiate between ionic and electronic conductivity .Define resistivity, conductivity and molar conductivity of ionic solutions		Learner will be able to know Different types of conductor
			Kohlrasuchlaw	Enuniciate kohlraush law and application		Learner will be able to know about the kohlrausch law
			Electrolysis	Understand the quantitative aspects of electrolysis		Learner will be able understand about the qualitative aspects of electrolysis
May	05	Unit 4	General	Define the rate of		Chemical kinetics

			Chemical kinetics	introduction and rate of reaction	reaction		and rate of reaction
				Average rate and instantaneous rate	Define the average rate of a reaction and Express it in the terms of change in concentration of either of the reactant or product with time		Learner will be able to understand the average and instantaneous rate of reaction
				Order and molecularity	Distinguish between elementary and complex reactions		Learner will be able to understand differences between elementary and complex reaction
				Rate Law	Describe the molecularity of Elementary reaction and order of simple and complex reaction		Learner will be able to understand the difference Between order and molecularity of reaction
				Integrated rate expression for zero and first order reaction	Define rate constant and describe the dependence of the rate reaction on the concentration of the reactants	Worksheet 4	Learner will be able to understand the integrated rate expression for zero and first order reaction
May	05	Unit 5 Surface chemistry	Adsorption	Describe interfacial phenomena and its importance		
					Define absorption and classify it into physical and chemical adsorption		Learner will be able to understand the difference between physical and chemical absorption
					Learn about factors controlling absorption from gaseous and Solutions on solid		
				Colloids	Understand the nature of colloidal state		Learner will be able to understand the various types of colloids and its property
					It is of various types of colloids and its uses		
July	07	Unit 7		General trend	Appreciate the		Learner will be

		P Block elements	in the chemistry of elements of group 15, 16 ,17 and 18	general trends in the chemistry of elements of group 15 ,16, 17 and 18		able to understand the general trends in the chemistry of elements of group 15, 16 ,17 and 18
			Preparation and properties of certain compounds of these group	Describe the preparation of Oxygen and Ozone nitrogen		Learner will be able to learn the preparation and properties of certain compounds of these group
July	08	Unit 9 Coordination Chemistry	Know the meaning of the term coordination entity,central atom,legends, coordination number , polyhedron, oxidation number, denticity and chelation			Learner will be able to know the meaning of some important terms
			Nomenclature	Learn the rule of nomenclature of coordination chemistry		Learner will be able to know how to write IUPAC name of coordination compounds and its formula
				Bonding in coordination compounds,Werner valence bond and crystal field theory of coordination compound		Understand the nature of bonding in coordination compounds in the term of burners valence bond an crystal field theory
August	Revision					

Continuous learning plan

Grade 11

Subject Economics

Month	Topic	Learning objectives	Methodology of teaching	Learning outcomes	Assessment
April	Introduction	To know what is economics and statistics	Online session	Students are made familiar with basic tools of Economics and Statistics to analyse economic issues	Online objective test
	Collection organisation of data	To understand what is collection and organisation of primary and secondary data	Online session Questionnaire Table	It aims to equip learner with collection and Organisation of data so that learner can easily analyse the economic information and illustrate the appropriate conclusion	Online subjective test
May	presentation of data	To understand tabular, diagrammatic and graphic presentation of data	Online session Questionnaire Table	In presentation of data topic learner can develop presentations with primary and secondary data or both	Online table based test
	Introductory microeconomics Introduction	To know about the economics its Central problems and solutions	Online session	Learner understands the difference between micro and macro economics and its problems	Online objective test

	Consumer equilibrium	To understand the concept of utility ,budget line and indifference curve	Online session	This course aims to make the students aware of the economic life of an individual as a consumer or a producer	Online objective test and online Table test
July	Consumer equilibrium Theory of demand	To understand demand its determinants law of demand and shift in demand curves	Online session Figures	Learner now familiar with the theory of demand and its determinants	Online diagram test
August	Producer behaviour and supply	Understand concept of production function its short run and long run and law of variable proportion	Online session	Explain the change in output that takes place as only one input is increased keeping all other inputs unchanged.	Online test
September	Revision and term 1				

Month	Topic	Objectives	Methodology Of Teaching/Art Of Teaching	Learning Outcomes
April	Accounting Not for Profit organisations	To discuss the meaning of NPO, Features, Difference between NPO's and Profit Making Organisation Final Accounts of NPO'S Meaning and Features ,limitations of Receipts and Payment account Meaning, Features of Income and Expenditure account Difference between Income and Expenditure account and Receipt and payment account Fund based accounting Preparation of receipt and payment account, income & expenditure account,balance sheet Treatment of various important items.	Through book, notes and online classes.\n\nA YouTube video will be provided for better understanding.	Students will able to learn about meaning of Not for profit organisation and Receipt and Payment account, its features. Meaning of Income and expenditure account, its features and also how to prepare income and expenditure account from receipt and payment account and balance sheet.
May	Partnership Accounts- I (Introduction)	Discuss meaning and nature of partnership firm. Definition and Main features of partnership Partnership deed -Meaning & Importance Methods of preparing capital accounts Division of profit among Partners Profit and Loss Appropriation Account Past Adjustments Guarantee of Minimum	Through book and online classes.\n\nA YouTube video will be provided for better understanding.	Students will be able know about meaning of partnership firm and partnership deed, its contents, what the provisions of partnership act followed in the absence of partnership deed and develop the understanding of making past adjustments.

		Profit to a Partner.		
July	Partnership Accounts - II(Goodwill: Nature and Valuation)	To Explain the Goodwill:- Meaning, Definition, factors affecting value of goodwill and Nature of Goodwill Methods of Valuation of Goodwill.	Through book and online classes A YouTube video will be provided for better understanding.	Students will get knowledge about Goodwill and its effects upon business.
	Partnership accounts-III (Reconstituti on of Partnership)	To discuss the Reconstitution of a Partnership firm Sacrificing Ratio Gaining Ratio When there is a change in the profit sharing ratio of existing partners:- (i) Accounting treatment of Goodwill (ii) Accounting treatment of Reserves and Accumulated Profits (iii) Accounting for Revaluation of Assets and liabilities.	Through book and online classes.	Students will be able to explain that what will change in profit & loses ratios of existing partners.
August	Partnership accounts-IV (Admission of a Partner)	How to calculate New profit sharing ratio and sacrificing ratio Accounting Treatment of goodwill when a new partner is admitted Accounting Treatment for Revaluation of Assets and liabilities Accounting treatment of Reserves and Accumulated profits	Through book and online classes.	Students will come to know about What will change after Admission of a new partner in Assets and liabilities.
	Financial statements of a Company	Financial Statements of a company Balance	Through book and online classes	Students will able to understand of major headings and subheadings

		sheet statement of profit and loss , notes to accounts Characteristics and Nature of Financial statements Balance sheet & its Format Difference between Provision and Reserve Statement of profit and loss Objectives, Essentials, Users and limitations of financial statements.		(as per schedule III to the Companies Act, 2013) of balance sheet as per the prescribed norms. State the meaning, objectives and limitations of financial statements.
	Financial statement analysis	To discuss the meaning of financial statement analysis Tools, Types of Financial statement analysis Distinction between horizontal analysis and vertical analysis Process of financial statement analysis Purpose and significance, users and limitations of financial statement analysis.	Through book and online classes	After studying this chapter, the students will get information regarding what is the process of financial statement analysis and various tools used for this process. Why this analysis is so Important and helpful for interested parties.

Class +2 comm.   Business studies

Month	Topic	Objectives	Methodology Of Teaching	Learning Outcomes
April	Nature and significance of management	Explain the concept, features, objective and importance of Management; Describe the nature of management as an Art, Science and Profession; Explain the concept and functions of different levels of Management; Outline the various functions of Management; Describe the concept, nature and importance of coordination.	A YouTube channel will be provided to students for better understanding. Through online lectures, we can develop better understanding.	Students will able to understand themselves and they will learn that how to manage the business through effective management and what are their goals.
May	Principles of management	Explain the meaning, nature and significance of principles of management; Explain Fayol's Principles of management; Describe Taylor's principles and techniques of scientific management; Compare the contributions of Fayol and Taylor towards management.	Through online classes, we can better explain to the students regarding upon which Principles, the management is based. A YouTube link will be provided to students .	Students will be able to understand themselves and they will learn the different theories of different persons and what are their contributions towards management.

Class +2 comm.   Business studies

July	Business Environment	Describe the concept of business environment . Explain the importance of business environment . Discuss the various Dimensions of 'Business Environment' .	A YouTube link is provided to students for their help. Through online lectures, we can clear the students about what is business environment and How it effects upon business.	Students will get knowledge about the different dimensions of business environment and how it effects the surroundings of business.
	Planning	Explain the concept, features, importance and limitations of Planning; Describe the steps involved in the process of planning.	• Recorded lectures. • Required, recommended and additional readings for understanding the concept of Planning.	Students will learn about How to make plans for achieving goals of business effectively.
August	Organising	Explain the concept and importance of organising; Describe the steps involved in the process of organising; Identify and explain the features, merits and limitations of functional and divisional organisational structure; Explain the concept importance and elements of delegation; State the concept of centralisation and decentralisation; Explain the Importance of delegation and decentralisation; Distinguish between delegation and decentralisation.	A YouTube channel will be provided to students . Through online lectures, we can create better understanding in students of How to organize the group of activities of business for achieving the objectives effectively and	Students will be able to learn about orangising and its structure. How Elements of Delegation is Helpful in achieving the goals.

			efficiently.	
Staffing		Explain the concept, need and importance of staffing; Describe the steps involved in the process of staffing; Explain the meaning, sources and methods of recruitment; Describe the steps involved in the selection process; State the concept of training and development; Describe the methods of on-the-job and off-the-job training.	Ppt will be provided to students for understanding. Through online lectures, we can develop better understanding in students of How recruit the right persons either internally or externally.	Students will get knowledge about the staffing process and how to recruit and select the right persons at right place.

Class- 12th
Subject-Mathematics

Month	Topic	Objectives	Methodology Of Teaching/Art Of Teaching	Learning Outcomes
April	Matrices	Types of Matrices, Operations on matrices,Transpose of a matrix, Symmetric and skew symmetric matrices, Elementary row transformations of a matrix, Inverse of a matrix	Properties to solve matrices discussed	To add 2 matrices, Expressing matrix as sum of symmetric and skew symmetric matrices, To find inverse of a matrix by using elementary row transformations.
May	Determinants and relations and functions	Properties of determinants, Area of a triangle, Minors and cofactors, Adjoint and inverse of a matrix, Applications of determinants and matrices. Types of relations, Types of functions, Composition of functions and invertible functions, Binary operations.	Properties of determinant and domain.,range and codomain discussed	To find area of triangle, To understand properties to simplify determinants, To solve system of equations using matrices. To identify one to one, onto and invertible functions, To find inverse of a function if it exists, To identify whether the binary operation is associative, commutative, To find identity and inverse of binary operations
July	Inverse Trigonometry functions and continuity and differentiability	Basic concepts and graph, Properties of Inverse trigonometric functions. Continuity, Differentiability, Exponential and logarithmic functions, Logarithmic differentiation, Derivatives in	Quadrant system will be discussed Properties of continuity and differentiability will be discussed	To find inverse values of trigonometric functions. To identify points of discontinuity of functions, To identify points of non-differentiability of functions, To find derivatives of exponential and logarithmic functions, To find derivatives of functions in parametric form.

		parametric form, Second order derivatives, Mean value theorem.		
August	Applications of derivatives	Rate of change of Quantities, Increasing and decreasing functions, Tangents and normal, Approximations, Maxima and minima.	Extreme value of theorem, maxima and mi image will be dicussed	To find Rate of change of dependent variable due to change in independent variable, To identify increasing and decreasing functions, To find equation of tangent and normal at a point on the given curve, To find error in a variable due to error in another variable, To find approximate values of quantities using derivatives, To find maxima and minima points of a function.