

	<div> <div>Indian School Wadi Kabir</div> <div> <div>Class: XII</div> <div>ISWK SHARING KNOWLEDGE</div> <div>(Monthly Plan - March 2025)</div> </div> </div>					
SUBJECTS	Week - 1	Week - 2	Week - 3	Week - 4	Week - 5	Learning Outcomes
ENGLISH			Introduction And Outline Of Syllabus Lit. C.C. Lost Spring	LIT. C.C. Lost Spring - Cntd Writing-Notice Lit C.C. : My Mother At Sixty –Six (Poem		Students are able to answer questions based on local and global comprehension and also analyse the lesson critically. They are able to write a notice using appropriate language and layout.
MATHEMATICS			Matrices: Matrices, types of matrices , Operations on matrices	Matrices Multiplication of matrices, applications, case study based questions	Determinants : How to find determinant of a matrix and properties.	Students will be able to identifies matrices, determinants, properties and applications

PHYSICS		<p>Knowledge of different types of charges, coulomb's law and its application to find the force between point charges. Understand the importance of superposition principle and different charge densities.</p>		<p>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.</p>	<p>Torque on a dipole in a uniform electric field.</p>	<p>Pupil would be able to</p> <ul style="list-style-type: none"> To understand that charge is property of a body shows electric and magnetic fields. <p>To answer conceptual questions.</p>
CHEMISTRY			<p>Unit X: Haloalkanes and Haloarenes. Haloalkanes: Nomenclature, nature of C–X bond, Physical and chemical properties.</p>	<p>Optical rotation mechanism of substitution reactions.</p>	<p>Substitution reactions of haloarenes. Uses and environmental effects of - dichloromethane, Trichloromethane, tetrachloromethane, iodoform, freons, DDT.</p>	<p>Students are able to:</p> <p>recall the IUPAC naming of haloalkanes and haloarenes</p> <p>analyse the nucleophilic substitution reaction in terms of the stereochemistry of the product(s)</p> <p>predict the products for halogenation, nitration, sulfonation and Friedel Crafts</p>

						<p>reaction of mono substituted haloarenes.</p> <p>identify the uses and environmental effects of some important haloalkanes and haloarenes.</p>
BIOLOGY			<p>Sexual reproduction in flowering plants</p> <p>Pre-fertilisation - structure & Events</p> <p>Double Fertilisation</p>	<p>Post fertilization : -structure and events & Apomixis & Polyembryo</p>		<p>Learners understand about the asexual and sexual reproduction in flowering plants.</p> <p>To acquire knowledge of Pre fertilization-events & structures with diagrams</p> <p>To make the learners understand about the process of double fertilisation and to analyze its significance in the post fertilisation events.</p> <p>To analyse the significance of apomixis in agriculture and appreciate the understanding for its good use in helping farmers</p>
INFORMATICS PRACTICES			<p>Introduction to Pandas, features, Series and Data Frames. Series: Creation of Series from – ndarray, list, dictionary, scalar value</p>	<p>Attributes of series, Mathematical operations; Head and Tail functions; Selection, Indexing and Slicing. Comparison of series</p>		<p>Students will understand how to install the pandas module .</p> <p>Students will understand the concept of Series and different methods to create series. They will get an idea about the attributes and mathematical operations on series.</p>

COMPUTER SCIENCE			Revision of Python topics covered in Class XI, Flow of execution String, List , Tuple , Dictionaries and its functions	Exception Handling Functions: types of function (built-in functions, functions defined in module, user defined functions)		Students will get a revision on class 11 topics. They will understand the concept of creation of list , Tuple, String, Dictionary, various operations and built in functions available.. Students will get an idea about exception handling and its usage. Students will understand different types of functions like built in, function defined in modules and user defined functions.
ACCOUNTANCY			Fundamentals of Partnership Accounting: Introduction, Interest on Capital, Interest on Drawings, Remuneration for partners. Charges & Appropriation of profit.	Fixed v/s fluctuating capital account-Capital A/c & Current A/c.Profit/Loss Appropriation A/c. Interest on Capital, Interest on Drawings, Remuneration for partners. Charges & Appropriation of profit. Fixed v/s		knowledge abd understanding of Partnership business. Partnership firm and partnership deed. Characteristic features of partnership and the contents of partnership deed. students will be able to calculate IOC,IOD,remuneration of partners. Preparation of P/L

				<p>fluctuating capital account-Capital A/c & Current A/c.Profit/Loss Appropriation A/c. Past Adjustment & Guarantee of profit Nature & valuation of Goodwill.</p>		<p>A/c, Appropriation A/c. Develop the understanding and skill of making past adjustments. Meaning, nature and factors affecting goodwill. Meaning, nature and factors affecting goodwill develop the understanding and skill of valuation of goodwill using different methods. Valuation of goodwill using different methods.</p>
BUSINESS STUDIES			<p>Nature and Significance of Management Management - concept, objectives, and importance. Management as Science, Art and Profession Levels of Management. Management functions-planning, organizing, staffing, directing and controlling</p>	<p>Coordination- concept and importance Principles of Management - concept and significance Taylor's Scientific management - principles and techniques</p>		<p>Students will be able to understand the concept of management. The meaning of 'Effectiveness and Efficiency. The objectives of management. The importance of management. The nature of management as a science, art and profession. The role of top, middle and lower levels of management. The functions of management. The concept and characteristics of coordination. The importance of coordination.</p>

ECONOMICS			Money and Banking: Introduction Functions of Money Supply of Money	Functions of Central Bank , Commercial Banks, Credit Creation		Students will learn the meaning ,functions of money. understands how supply of money takes place understands the working of commercial banks ,central bank learns how money is created in the economy through commercial banks.
ENTREPRENEURS HIP			Chapter: 1 Entrepreneurial Opportunities Concept of Entrepreneurship Business opportunity and its elements Concept of Sensing Entrepreneurial Opportunities Factors involved in sensing opportunities	Environment Scanning Need for environment scanning and its importance SWOT analysis framework and analysis of the environment. Spotting Trends Creativity and Innovation Selecting the right opportunity business environment and PESTEL model Concept of problem identification		After going through this unit, the students will be able to: • Comprehend the concept and elements of business opportunity • Discuss the process of sensing opportunities • Understand the need to scan the environment • Enlist the various forces affecting business environment • Identify the different idea field Understand the concept of opportunity and market assessment • Appreciate the ways in which trends can be spotted • Understand the process of creativity and innovation • Transform ideas into business opportunities

MARKETING			Green Skills 1. Identify the role and importance of green jobs in different sectors	2. Comprehend the role of the government initiatives and policies for preservation of the green economy Writing Notes		Students will reiterate their knowledge on green skills from grade 11. They will be able to understand the importance of green jobs and apply the same in real life
ENGINEERING GRAPHICS			Introduction to the new chapter: ISOMETRIC PROJECTION Explanation of all terms and title block construction.	Isometric Projection of Prisms Single solids – Isometric projection of prisms Construction of Isometric scale	Eid holidays	Students will understand the construction of title block with projection symbol, construction of isometric scale and single solids (All types of prisms)
PSYCHOLOGY			CHP 1. Variations in Psychological Attributes Introduction, Syllabus and Chapter Overview 2. Individual Differences in Human Functioning 3. Assessment of Psychological Attributes 4. Intelligence"	Theories of Intelligence: Psychometric Theories of Intelligence, Information Processing Theories		# To Understand the Attributes that make people differ from one another #To learn about various Assessment methods #To be able to distinguish between theories of Intelligence
PHYSICAL EDUCATION			Management of sporting events. Functions of sports event management. Various	Intramural and extramural tournaments promote community engagement through		Teach students to plan sports events and understand committee responsibilities for organizing tournaments effectively.

			committees and responsibilities	sports events, enhancing health and unity.		conducting Tournaments to boost teamwork; and community programs fostering health and unity through sports.
SOCIOLOGY			<ul style="list-style-type: none"> -Overview of syllabus - Outline of Project theme - Introduction to Chap 1 	CHP 1. Demographic Structure of Indian Society 1.Introduction, Syllabus and Chapter Overview 2.Meaning of Demography & types 3.Theories of Population growth 4. Concepts & Indicators 5. Age structure of India's Population 6. Literacy, Rural-Urban Difference	Eid Holidays	#To understand the syllabus and timelines for Grade 12 syllabus #To get students to think about their project topics after explaining the theme # To Understand the meaning of demography, types & uses of date #To learn about various theories of population growth, indicators and concepts #To be able to analyze and understand age structure of India's population, population pyramids, demographic dividend #To socially understand India's sex ratio, literacy rate, rural-urban & regional in India's population

	Indian School Wadi Kabir Class: XII ISWK SHARING KNOWLEDGE (Monthly Plan - April 2025)					
SUBJECTS	Week - 1	Week - 2	Week - 3	Week - 4	Week - 5	Learning Outcomes
ENGLISH	LIT C.C. : My Mother At Sixty –Six (Poem) Cntd Lit: S.R.- The Third Level Reading Comprehension	LIT: S.R.- The Third Level- Cntd.... Lit C.C - Last Lesson Practice For ASL	LIT C.C - Last Lesson - Cntd Poem – Keeping Quiet Writing: Letter To Editor -	LIT.S.R.: Tiger King Formal Invitation		Students are able to answer questions based on local and global comprehension and also analyse prose lessons and poems critically. They are able to write a formal letter and invitation using appropriate language and layout.

			Reading Comprehension			
MATHEMATICS	Determinants Minors, cofactors, adjoint and inverse of a matrix.	Determinants: Solves linear equations using matrices, word problems related on real life situations	Relations and Functions: Types of relations, functions, method of verifying /proving equivalence relations, one to one, onto functions	Relations and Functions contd. Inverse Trigonometric Functions: Domain and range (principal value branch) of ITF. Graph of ITF, simplify given functions using appropriate identity.	Continuity and Differentiability: Continuous functions, differentiability, methods of differentiation-Chain rule, implicit functions and using logarithm properties.	Students will be able to identify types of relations, functions and domain and range of ITF. Verifies continuity and differentiability of given functions at a given point. Identifies various methods of differentiation.
PHYSICS	Electric flux, statement of Gauss's theorem and its applications to	CHAPTER-2 – Electrostatic	Conductors and insulators, free charges and bound charges inside a	CHAPTER-3- Current Electricity, Electric current, flow of electric		Pupil would be able to <ul style="list-style-type: none"> • apply Gauss's theorem in different situations.

	<p>find field due to infinitely long straight wire, uniformly charged infinite plane sheet and uniformly charged thin spherical shell (field inside and outside). Exercise and worksheet.</p>	<p>potential and capacitance.</p> <p>Electric potential, potential difference, electric potential due to a point charge, a dipole and system of charges; equipotential surfaces, Conductors and insulators, free charges and bound charges inside a conductor.</p>	<p>conductor. Dielectrics and electric polarization. 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(no derivation.Only formulae.).</p>	<p>charges in a metallic conductor, drift velocity, mobility and their relation with electric current; Ohm's law, electrical resistance, V-I characteristics (linear and non-linear), electrical energy and power, electrical resistivity and conductivity. Carbon resistors, colour code for carbon resistors; series and parallel combinations of resistors;</p>		<ul style="list-style-type: none"> • derive formula for electric potential due to a point charge and electric dipole. • Draw equipotential surfaces. • explain and identify dielectrics and dielectric polarization and the terms associated with it. • derive formula for capacitance. • state and derive Ohm's law
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CHEMISTRY	Unit XI: Alcohols, Phenols and Ethers. Alcohols: Nomenclature, methods of preparation, Identification of primary, secondary and tertiary alcohols, mechanism of dehydration. Physical and chemical properties.	Identification of primary, secondary and tertiary alcohols, mechanism of dehydration. Phenols: Nomenclature, methods of preparation.	Physical and chemical properties, acidic nature of phenol, electrophilic substitution reactions, uses of phenols. Ethers: Nomenclature, methods of preparation, physical and chemical properties, uses.	Unit XII: Aldehydes, Ketones and Carboxylic Acids. Aldehydes and Ketones: Nomenclature, nature of carbonyl group, methods of preparation, physical and chemical properties.	Mechanism of nucleophilic addition, reactivity of alpha hydrogen in aldehydes, uses.	<p>Students are able to:</p> <p>write equations for the preparation of alcohols by reduction of carbonyl and carboxylic compounds.</p> <p>compare the reactivity of primary, secondary and tertiary alcohols towards dehydration</p> <p>predict the products for halogenation, nitration and sulphonation of phenol</p> <p>recall the IUPAC naming aldehydes, ketones and carboxylic acids</p> <p>apply the nucleophilic addition reaction on the reaction of simple aldehyde and ketones with HCN, NaHSO₃, Grignard reagents, alcohols etc.</p>
BIOLOGY	Human Reproduction Male & Female Reproductive System & Gametogenesis & Menstrual Cycle	Human Reproduction continued Fertilisation & implantation & Pregnancy, Embryonic development, parturition & lactation	Reproductive Health Contraceptive method, ART, STDs	Principles of inheritance and variations Mendel's laws of inheritance-one gene and two gene inheritance.	Dominance, Codominance & Incomplete Dominance, Multiple Allelism . Mutations & Genetic Disorders	<p>To make the learner understand about these important processes and relate it to the changes in their life.</p> <p>To make the learner understand about the of Male and Female reproductive System with diagrams and flowcharts.</p> <p>To analyse the significance of all the hormones that help in</p>

				Sex Determination.		<p>menstruation,implantation and the growth of the foetus.</p> <p>To understand and appreciate the parturition process.</p> <p>To understand the Disorders of the reproductive system and analyse the importance of a healthy</p> <p>To make aware of different contraceptive methods & Assisted reproductive technologies.</p> <p>Explain and understand Mendel's monohybrid and dihybrid experiment .</p> <p>Understand the different laws like law of dominance,independent assortment,law of segregation.</p> <p>understand pedigree analysis and analyse and draw the pedigree chart for diseased and carriers</p> <p>Sensitize that genetic disorders occur due to change in chromosome numbers.</p> <p>To understand the concept of point and frameshift mutation with examples and relate it to Mendelian disorders.</p>
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INFORMATICS PRACTICES	Data Frames: creation - from dictionary of Series, list of dictionaries, Text/CSV files; display; iteration;	Data Frames: Attributes of a dataframe	Slicing, loc() and .iloc() in DataFrame	Selecting and accessing , modifying records from dataframe	Adding / modifying a row in a dataframe, Selecting a column from a dataframe	Students will understand the concept of DataFrame and different methods to create the DataFrame.. They will get an idea about the attributes, slicing of DataFrame and various operations..
COMPUTER	Creating user defined function, arguments and parameters, default parameters, positional parameters, key word arguments , variable length arguments	Function returning value(s), flow of execution, scope of a variable (global scope, local scope)	Introduction to files, types of files (Text file, Binary file, CSV file), relative and absolute paths	Text file: opening a text file, text file open modes (r, r+, w, w+, a, a+), closing a text file,	Text file various operations	Students will understand the working of functions and passing parameters. Students will get an idea about the different types of files, creation of text file and its working modes.

ACCOUNTANCY	Reconstitution of partnership Firm: Change in profit-sharing ratio.	Admission of a partner:	Admission of a partner-comprehensive sums with capital adjustments	Retirement & death of a partner-Revaluation of assets/liabilities, reserves, goodwill. Comprehensive problems	Retirement & death of a partner-Goodwill, reserves, revaluation and capital A/c	Understand the meaning of sacrificing ratio, gaining ratio and the change in profit sharing ratio among existing partners. Entries for goodwill and reserves. Accounting treatment of the effect of change in profit sharing ratio on admission of a new partner. Treatment of goodwill, Revaluation of assets and reassessment of liabilities, treatment of reserves, accumulated profits and losses. Preparation of Revaluation A/c and entries.Preparation of partners capital A/c and Balance sheet. Able to prepare a revaluation account, partners capital A/c and Balance sheet. Concept of retirement and death of a partner and acquire the knowledge to prepare the relevant accounts.
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BUSINESS STUDIES	Principles of Management - concept and significance. Fayol's principles of management	Taylor's Scientific management - principles and techniques	Business Environment- concept and importance		<p>Single use and Standing Plans. Objectives, Strategy, Policy, Procedure, Method, Rule, Budget and Programme</p> <p>Organising -Process Structure of organisation- functional and divisional concepts.</p>	<p>Students will be able to understand The concept of principles of management. The significance of management principles. The principles of management developed by Fayol. Taylor's Scientific management - principles and techniques The principles and techniques of 'Scientific Management'.</p> <p>The concept of 'Business Environment'. The importance of the business environment. The various dimensions of 'Business Environment'. The concept of demonetization.</p> <p>The concept of planning. The importance of planning. The limitations of planning. The steps in the process of planning. Single use and Standing Plans. Objectives, Strategy, Policy, Procedure, Method, Rule, Budget and Programme</p>
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						The objectives, policies, strategy, procedure, method, rule, budget and programme as types of plans.
ECONOMICS	Indian economy on the eve of Independence: Features, Agricultural sector, Industrial sector, Foreign rule, Demographic profile, Occupational Structure, Infrastructure and Conclusion	Indian economy (1950-1990): Types of Economic System, Planning - Goals Development in Agriculture, Industry, Trade	National Income and Related Aggregates: Basic Concepts- Methods of Measuring National income:	National Income and Related Aggregates: (Conti....) Product method Income Method Precautions and Numericals	National Income and Related Aggregates: (Conti....) GDP and Welfare Numericals and Precautions	Students will learn about the Indian economy at the eve of independence ,how the British drained the Indian economy. Also understands the development done after independence through five year planning, its goals, development in agricultural and industrial sectors. Learn about National income and its measurement, welfare of the people in the economy.
ENTREPRENEURSHIP	Chapter 2: Entrepreneurial Planning Forms of business organization Sole Proprietorship - Features Partnership Concept, characteristics. Consequences for	Joint Stock Company - Characteristics of a Company Why private company is more desirable. Business Plan Importance of the business plan Format Introduction to Components. - Introductory profile	Operational plan Organizational plan Financial plan Components of financial plan	Manpower planning Marketing plan Steps in preparing the marketing plan. Assessment of risk - Appendix	Chapter 3: ENTERPRISE MARKETING Goals of Business; Goal Setting; SMART Goals Marketing Strategy Product Mix, Tagline, Logo	After going through this unit, the students will be able to: <ul style="list-style-type: none"> • Recall the meaning of the various forms of business organization • Understand the characteristics of the various forms of business organization • Understand the difference between a Public and Private Company • Appreciate the reasons for a private company being more desirable • Appreciate the concept and importance of a Business Plan • Describe the various components of Business plan

	non-registration of a partnership firm partnership deed	/general introduction Description of venture/business venture - Production Plan - situations			Branding Packaging and Labelling. Price Mix - Types	<ul style="list-style-type: none"> • Differentiate among the various components of Business plan • Develop a Business Plan
MARKETING	1. Explain meaning of Product in marketing 2. Explain the components of Product 3. Understand the characteristics and importance of a product 4. Differentiate between the product levels	5. Understand the factors influencing the product mix 6. Analyze Product terms and decisions 7. Classify the products 8. Analyze the marketing strategies of the classified products	9. Evaluate the features of the classified products 10. Explain various Types of industrial goods and their features 11. Stages of Product Life cycles and related marketing strategies 12. Explain the role and importance of Packaging	13. Understand the useful packaging decisions 14. Elucidate the functions of a good packaging	15. Types of packages 16. Comprehend the concept and role of labelling 17. Classify the labels 18. Functions of labelling	Students will be able to create their own product according to the components of the product. They will understand the basic semantics of the classifications and will be in a position to choose a prominent position in the PLC cycle

ENGINEERING GRAPHICS	Isometric projection of pyramids. Isometric projection of inverted pyramids.	Isometric Projection of Combination of solids.	Isometric Projection of Combination of solids.	Introduction to unit 2: Machine Drawing Threads and its definitions Types of screw threads:	Types of screw threads: Drawings of different threads.	Understand the position of the single solid and draw the iso projection with the help of iso scale and explores all the definitions of threads.
PSYCHOLOGY		Theory of Multiple Intelligences, Triarchic Theory of Intelligence, Planning, Attention-Arousal and Simultaneous Successive Model of Intelligence	Individual Differences in Intelligence Culture and Intelligence Emotional Intelligence	9. Special Abilities: Aptitude: Nature and Measurement 10.Creativity	Introduce chp 2. Self & Personality Lesson Overview	# To learn how psychologists assess intelligence to identify mentally challenged and gifted individuals # To relate to the cultural differences in understanding Intelligence #To understand and implement Emotional Intelligence as an essential competency
PHYSICAL EDUCATION	Children & Women in Sports Exercise guidelines of	Common postural deformities	Women's participation in Sports : – Physical,	Special consideration (menarche and menstrual dysfunction	Female athlete triad (osteoporosis, amenorrhea, eating disorders	students will Understand common postural deformities, women's sports benefits, menarche impact, menstrual dysfunction, and the

	WHO for different age groups.		Psychological, and social benefits.			female athlete triad's implications on health.
SOCIOLOGY		Chap 1 Contd 7. Sex Ratio 8. State wise distribution of Population 9. Population Pyramids 10. Population Policy of India	CHAP 2: Social Institutions~Continuity & change 1. Caste then and now 2. Tribes~definition, classification & issues	3. Family, Marriage & Kinship 4. Khasi Matriliney CHAP 3: Patterns of Social Inequality & Exclusion 1.Introduction	2. Caste based inequalities 3. Tribal issues & assertion of tribal identity	#To socially understand India's sex ratio, literacy rate, rural-urban & regional in India's population # To learn India's population policy & the success -failures of it # To learn how caste as a social institution evolved in India # To classify and understand the tribes of India, their issues #To understand the difference b/w caste & tribe # To learn about types of families, changing structures & khasi matriliney



Indian School Wadi Kabir

Class: XII

ISWK SHARING KNOWLEDGE

(Monthly Plan - May 2025)

SUBJECTS	Week - 1	Week - 2	Week - 3	Week - 4	Week - 5	Learning Outcomes
ENGLISH	LIT..C.C – Deep Water Notice – Lost And Found	LIT..C.C – Deep Water- Cntd Lit S.R- The Enemy. Practice For Asl	LIT S.R- The Enemy- Cntd Writing- Article Writing UNIT TEST STARTS	LIT.C.C - The Rattrap UNIT TEST	LIT.C.C - The Rattrap Cntd... Poem- A Thing Of Beauty	Students are able to answer questions based on local and global comprehension and also analyse prose lessons and poems critically. They are able to write an article and various types of notices using appropriate language and layout.
MATHEMATICS	Continuity & Differentiability:	Continuity & Differentiability	Application of Derivatives	Application of Derivatives	Application of Derivatives	Students will be able to identify rate of change of one variable w.r.t other

	Methods of differentiation Chain rule/implicit functions/ITF. Apply logarithmic rule to find derivatives.	Derivatives of parametric functions, second derivatives	Revision for Unit Test) Rate of change, increasing/decreasing functions	Absolute maxima and minima Local maxima and local minima. Word problems, application of derivatives.	Case study based questions, competency based questions	variable, strictly increasing /decreasing functions, maxima and minima Apply the concept of derivative to find maxima/minima and their values. Apply the concepts sums related on real life situations
PHYSICS	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. Exercises and worksheet	CHAPTER 4 – Moving charges and magnetism, Concept of magnetic field, Oersted's experiment. Biot-Savart law.	Application of biot-savart law. to current carrying circular loop. Ampere's law and its applications to infinitely long straight wire. Straight and toroidal solenoids(qualitative treatment only). Force on a moving charge in uniform magnetic and electric fields. 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. Current loop as a magnetic dipole and its magnetic dipole moment.Moving coil galvanometer-its current sensitivity and conversion to ammeter and voltmeter. Exercises and worksheet.	Earth's magnetic field and magnetic elements. Para-, dia- and ferro - magnetic substances, with examples. Electromagnets and factors affecting their strengths. Permanent magnets.	Pupil would be able to explain, derive and apply the various concepts.

				<p>CHAPTER-5- Magnetism and matter. Bar magnet, bar magnet as an equivalent solenoid (qualitative treatment only) Magnetic field intensity due to a magnetic dipole (bar magnet) along its axis and perpendicular to its axis (qualitative treatment only). Torque on a magnetic dipole (bar magnet) in a uniform magnetic field (qualitative treatment only); magnetic field lines.</p>		
CHEMISTRY	<p>Carboxylic Acids: Nomenclature, acidic nature, methods of preparation, physical and chemical properties; uses.</p>	<p>Amines: Nomenclature, classification, structure, methods of preparation, physical and chemical properties, uses, identification of</p>	<p>Diazonium salts: Preparation, chemical reactions and importance in synthetic organic chemistry.</p>	<p>Unit XIV: Biomolecules. Carbohydrates - Classification (aldoses and ketoses), monosaccharides (glucose and fructose), D-L</p>	<p>Proteins - Elementary idea of - amino acids, peptide bond, polypeptides, proteins, structure of proteins - primary, secondary, tertiary structure and quaternary structures (qualitative idea only), Denaturation of</p>	<p>Students are able to: identify the product of reduction, decarboxylation, HVZ reaction and ring substitution</p>

		primary, secondary and tertiary amines.		configuration oligosaccharides (sucrose, lactose, maltose). polysaccharides (starch, cellulose, glycogen); Importance of carbohydrates.	proteins. Enzymes. Hormones excluding structure. Vitamins - Classification and functions.	visualise the 3D structure of amines with the help of models and software. differentiate aromatic primary amines from other amines by the azo dye test. classify carbohydrates on the basis of their structure (hydrolysis behaviour), functional group (aldoses and ketoses) and reducing properties. draw the zwitter-ionic structure of amino acids
BIOLOGY	Molecular basis of inheritance Structure of DNA	RNA world Replication Transcription	Translation Regulation of Gene expression.	Human Genome project. DNA Fingerprinting.	Origin of life, Evidence & Adaptive radiation. Mechanism of Evolution &	Appreciate the role of DNA to initiate and guide the process of protein synthesis

	The search for Genetic materia	Genetic codes			Hardy-Weinberg Principle, Origin & Evolution of man	<p>To understand the process of DNA synthesis.</p> <p>To understand the process of RNA synthesis</p> <p>understand the concept of genetic code and its importance in translation and mutations,</p> <p>To understand the process of protein synthesis.</p> <p>Understand Lac-operon process to analyse how gene expression is also controlled by the environment.</p> <p>Understand the Human Genome project which provide information for various genetic diseases and its treatments</p> <p>Understand the steps and the application of DNA fingerprinting and its applications.</p>
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						Understand different theories on evolution Understand the brief history of human evolution .
INFORMATICS PRACTICES	DataFrame : display; iteration; selection of rows and columns	Operations on rows and columns: add, select, delete, rename;	Head and Tail functions; Indexing using Labels,	Importing/Exporting Data between CSV files and Data Frames	Updating content in a file, Writing a CSV file default index.	Students will understand how to perform various operations in DataFrame like add, delete and rename a row/column. Students will get an idea about how to import a csv file to DataFrame and viceversa.
COMPUTER SCIENCE	Text file opening using with clause, writing/appending data to a text file using write() and writelines(), reading from a text file using read(), readline() and readlines(), seek and tell methods	Manipulation of data in a text file, Binary file: basic operations on a binary file: open using file open modes (rb, rb+, wb, wb+, ab, ab+)	close a binary file, import pickle module, dump() and load() method,	Binary file - read, write/create, search, append and update operations in a binary file	CSV file: import csv module, open / close csv file, write into a csv file using csv.writer() and read from a csv file using csv.reader()	Students will get an idea about the working of text file, binary file and csv files. They will understand various operations and the modules to be imported to use

						various files and the various operations like creation, deletions etc.
ACCOUNTANCY	Retirement & death of a partner - Comprehensive problems	Deceased partner's share of profit till the date of death. Treatment of Goodwill, revaluation and reserves. Deceased partner's capital account and his executor's account.	Comprehensive sums on death of a partner. Dissolution of partnership firm:	Dissolution of partnership firm. Partnership Act regarding dissolution of firm. Payment of third party liabilities. Journal entries.	Realization account, Partner's loan A/c, capital accounts of partners and cash or bank a/c.	Accounting treatment of amount due to retiring partner along with executor's loan A/c. Develop the skill of calculation of deceased partner's share till the time of his death. Prepare Deceased partner's capital and executor's account. Deceased partner's capital and executor's account, Executor's loan A/c. Meaning of dissolution of partnership and partnership firm, types of dissolution

						<p>of a firm. Understand the situations under which a partnership firm can be dissolved. Ledger A/cs and postings for realisation of assets, settlement of liabilities, realisation expenses. Develop the understanding of preparation of realisation account and other related accounts.</p>
BUSINESS STUDIES	Formal and informal organization - concept	<p>Delegation: concept, elements and importance</p> <p>Decentralization: concept and importance</p>	<p>Staffing: Concept and importance of staffing</p> <p>Staffing as a part of Human Resource Management concept</p>	<p>Staffing process</p> <p>Recruitment process</p> <p>Selection process</p>	<p>Training and Development - Concept and importance, Methods of training - on the job and off the job - vestibule training, apprenticeship training and internship training</p>	<p>Students will understand the concept of organizing as a structure. The steps in the process of organizing. functional and divisional structures</p>

						<p>of organisation. The advantages, disadvantages and suitability of functional and divisional structure. The concept of formal and informal organisation. The advantages, disadvantages of formal and informal organisation.</p> <p>The concept of staffing. Explain the importance of staffing. The steps involved in the process of selection. Differentiate between training and development. On the job and off the job methods of training.</p>
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ECONOMICS	Economic Reforms since-1991: Need for economic reforms, its features Liberalisation	Globalisation,Meaning and Objective	Outsourcing, WTO Privatisation- An appraisal of LPG Policies.	Human Capital Formation Meaning , Role of HCF in Eco dev	Problems of HCF. Measures taken by the govt to promote the development of HCF	Understands why economic reforms was needed for the economy,learns various reforms initiated for the growth of the economy,learns what is outsourcing,what is LPG all about Learns what is the meaning of HCF,roles and problems of HCF
ENTREPRENEURSHIP	Place Mix - channels and Factors	Promotion Strategies	Chapter 4: ENTERPRISE GROWTH STRATEGIES - Growth and development concept - Franchising: Concept and types - Franchising: Advantages and limitations to	-Mergers and Acquisition: Concept, reasons and types.	Reasons for mergers and acquisitions	After going through this unit, the students will be able to: <ul style="list-style-type: none"> • Discuss the various marketing strategies used in a business • Explain Marketing Mix. • Understand the concept of Branding, Packaging and Labeling


			franchisor and franchisee.			<ul style="list-style-type: none"> • Describe the various methods of Pricing • Discuss the various factors affecting the channels of distribution • Understand the concept and types of sales strategy • Discuss different tools of promotion • Appreciate the objectives and different modes of Advertising • Understand the concept of personal selling, sales promotion, public relations • Discuss the various techniques of sales promotion <p>After going through this unit 4, students would be able to:</p> <ul style="list-style-type: none"> • Understand the concept of growth & development of an enterprise
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						<ul style="list-style-type: none"> • Discuss the concept, types, advantages and limitations of franchising • Appreciate growth of business through mergers and acquisitions • Discuss the different types of mergers and acquisitions • Discuss the reasons for mergers and acquisitions
MARKETING	COMMUNICATION SKILLS - IV 1. Importance of active listening at workplace 2. Steps to active listening 3. Interview Skills 4. Demonstration of writing skills 5. Grammar	PRICE DECISION 1. Explain the meaning and definition of pricing 2. Understand the objectives of pricing	1. Evaluate the importance of pricing 2. Analyze the factors affecting pricing 3. 1. Types of pricing (A) Demand based pricing - Types - Merits - Demerits (B) Cost Oriented Pricing - Types	(C) Competition oriented pricing - Methods (D) Value Based Pricing Comprehend the major pricing methods - Competitive Pricing - Penetration Pricing - One Price versus Variable Pricing - Market Skimming Pricing	1. - Discrimination or Dual Pricing - Premium Pricing - Leader Pricing - Psychological Pricing - Price Lining - Resale Price Maintenance - Everyday low pricing - Team pricing 2. Writing Notes	Students will be able to understand the concept of pricing. They can apply this knowledge by pricing their product. They will also be able to compare the pricing strategies of different brands

ENGINEERING GRAPHICS	BSW thread Metric Internal	Metric external Square thread Knuckle thread UNIT TEST STARTS	Types of bolts : Hexagonal headed bolt Square headed bolt Types of nuts: Hexagonal nut Square nut	Types of washer Combination of nut bolt and washer Assembling two parts together. Single riveted lap joint Free hand sketches: Conventional representation of threads.	Types of Studs: Plain stud Stud with square neck Collar stud	Understanding the Role of Bolts in Design and Construction: Discuss the importance of bolts in real-world engineering applications, such as machinery, construction, and automotive industries. Explain how hexagonal and square bolts are used to fasten components together, and how their designs influence the strength, ease of use, and efficiency of the assembly.
PSYCHOLOGY	Culture and Self Concept of Personality Cultural Approach Humanistic Approach	Major Approaches to the Study of Personality Type Approaches	Trait Approaches Psychodynamic Approach and Post Freudian Approaches Behavioural Approach UNIT TEST	8. Assessment of Personality Self-report Measures Projective Techniques Behavioural Analysis	ASSESSMENT 1	Students will be able to:- appreciate various definitions and approaches to Personality. Students can compare and Contrast various theories based on Personality.

						* Students can evaluate multiple methods of Personality assessment.
PHYSICAL EDUCATION	Yoga as Preventive measure for Lifestyle Disease Obesity: Procedure, Benefits & Contraindications for Tadasana, Katichakrasana, Pawanmuktasana,	Obesity: Procedure, Benefits & Contraindications for Matsayasana, Halasana, Paschimottanasana, Ardha Matsyendrasana, Dhanurasana, Ushtrasana, Surya Bhedana pranayama.	Diabetes: Procedure, Benefits & Contraindications for Katichakrasana, Pawanmuktasana, Bhujangasana, Shalabhasana, Dhanurasana etc.	Asthma and Hypertension: Procedure, Benefits & Contraindications for Tadasana, Urdhawahastottanasana, UttanMandukasana, Bhujangasana etc,	Back Pain and Arthritis: Procedure, Benefits & Contraindications of Tadasana, Urdhawahastottanasana, Ardh Chakrasana, Ushtrasana, Vakrasana, Sarala Matsyendrasana, Bhujangasana, Gomukhasana,	Students will understand how Yoga helps prevent lifestyle diseases by promoting weight loss, managing diabetes, alleviating asthma, lowering hypertension, and relieving back pain and arthritis.
SOCIOLOGY	4. Inequalities related to women 5. Disability in India	CHAP 4: Challenges to Cultural Diversity 1. Introduction to nation, state, nation-state 2. Regionalism in the Indian context	3. Communalism REVISION	4. CIVIL SOCIETY REVISION	UNIT TEST 1	#Students will be able to appreciate the cultural diversities in India, problems, challenges and opportunities #Students can compare and state, nation & nation-state #Students will delve deeper into India

						regionalism, issue of communalism # To understand the meaning & importance of Civil Society # Right to Information # To do a thorough revision of syllabus for Unit Test 1.
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	Indian School Wadi Kabir ISWK SHARING KNOWLEDGE (Monthly Plan - June 2025)					
	Class: XII					
SUBJECTS	Week - 1	Week - 2	Week - 3	Week - 4	Week - 5	Learning Outcomes
ENGLISH	LIT.. Poem- A Thing Of Beauty Cntd	SUMMER BREAK BEGINS				Students are able to answer questions based on local and global comprehension and also analyse the poem critically.

MATHEMATICS	Application of Derivatives: Sums related on application of derivatives	Summer Break				Apply the concepts of derivatives in solving word problems
PHYSICS	Chapter-6- Electromagnetic induction; Faraday's laws,					<p>Pupil would be able to</p> <ul style="list-style-type: none"> Define electromagnetic induction and state Faraday's laws.
CHEMISTRY	Nucleic Acids: DNA and RNA.	SUMMER BREAK	SUMMER BREAK	SUMMER BREAK		<p>Students are able to:</p> <p>appreciate the role of nucleic acids as carriers of genetic information.</p> <p>compare the structural features of DNA and RNA</p>

BIOLOGY	Human Health and Disease. Common Diseases in Humans & Immunity	SUMMER BREAK				Understand and classify the disease into congenital or acquired.Explain about immunity its type : inborn or acquired , Active and passive
INFORMATICS PRACTICES	Updating content in a CSV file, Writing a CSV file with default index.	SUMMER BREAK				Students will understand how to update content in a csv file.
COMPUTER SCIENCE	Data Structure: Stack, operations on stack (push & pop), Implementation of stack using list.	SUMMER BREAK				Students will understand the concept of stack and its various operations(push & pop)
ACCOUNTANCY	Project Discussion					Acquire the necessary knowledge to conduct research and collect information to prepare the project during summer vacation.
BUSINESS STUDIES	Project Discussion	SUMMER BREAK				Acquire the necessary knowledge to conduct research and collect information to prepare the project during summer vacation.

ECONOMICS	Project Discussion					Acquire the necessary knowledge to conduct research and collect information to prepare the project during summer vacation.
ENTREPRENEURSHIP	CBSE Project Discussion.					Acquire the necessary knowledge to conduct market research and collect information to prepare the project during summer vacation.
MARKETING	PRICE DECISION Writing Notes	SUMMER BREAK	SUMMER BREAK	SUMMER BREAK	SUMMER BREAK	
ENGINEERING GRAPHICS	Types of Studs: Plain stud, Stud with square neck, Collar stud Types of Rivets: Snap head rivet, Pan head rivet, flat head and 60 degree CSK	SUMMER BREAK				Understand the new concept of machine drawing and its main definitions.

PSYCHOLOGY	Discussion of Project	SUMMER BREAK				Students will be able to Appreciate the Practical Application of Concepts related to Assessment & Disorders along with basics of Therapy.
PHYSICAL EDUCATION	Physical Education and Sports for CWSN (Children with Special Needs - Divyang)	SUMMER BREAK	SUMMER BREAK			enhanced motor skills, social interaction, teamwork, self-confidence, physical fitness, emotional development, discipline, goal-setting, enjoyment of physical activity, and inclusion.
SOCIOLOGY	1.Finalization of Project Questionnaires 2. Class Presentations (Art Integration)	SUMMER BREAK				# Students are able to work on collecting data for their projects during the summer break # completion of interesting related concepts/issues through class presentations (art integration activity)