



Indian School Wadi Kabir

Class: XI

ISWK SHARING KNOWLEDGE

(Year Plan - April 2021 - February 2022)

SUBJECTS	APRIL 2021	MAY 2021	JUNE 2021	AUGUST 2021	SEPTEMBER 2021	OCTOBER 2021	NOVEMBER 2021	DECEMBER 2021	JANUARY 2022	FEBRUARY 2022
ENGLISH		<p>INTRODUCTION & OUTLINE OF SYLLABUS</p> <p>Literature: Prose-The Portrait of a Lady</p> <p>Literature: Poem-A Photograph -The Laburnum Top</p> <p>Supplementary reader: The Summer of the Beautiful White Horse</p> <p>Writing Skill- Speech , Notice</p> <p>Reading Skill- Note Making</p> <p>Grammar: Determiner</p>	<p>Literature: Prose We're Not Afraid to Die</p> <p>Writing Skill- Notice</p> <p>Reading Skill- Note Making, Comprehension Passages</p>	<p>Supplementary reader: The Address ,Rangas Marriage</p> <p>Writing Skill- Enquiry/Reply/ Order/Complaint /Reminder/Cancellation. Replies to the Letters.</p> <p>Poster</p> <p>Literature: LANDSCAPE OF THE SOUL</p> <p>Grammar: Sentence reordering</p>	<p>Literature: The Voice of the Rain</p> <p>Supplementary reader: Albert Einstein at School</p> <p>Writing Skill- Notice</p> <p>Grammar: Modals</p> <p>Reading Skill- Note Making, Comprehension Passages</p>	<p>Literature: Prose:The Ailing Planet-The Green Movement's Role</p> <p>Supplementary reader:Mother's Day</p> <p>Writing Skill: Report, Debate, Poster</p> <p>Reading Skill- Note Making, Comprehension Passages</p> <p>Grammar: Tense, Clauses</p>	<p>Literature: Prose:The Browning Version , Childhood</p> <p>Supplementary reader:</p> <p>Writing Skill:ADVERTISEMENT, ARTICLE</p> <p>ASL</p> <p>Reading Skill- Note Making, Comprehension Passages</p>	<p>Literature : Prose:Silk Road</p> <p>Supplementary reader:</p> <p>Writing Skill: Report Writing</p> <p>Reading Skill- Comprehension Passage</p> <p>Grammar : Clauses, Editing / Omission</p>	<p>Supplementary reader:The Ghat of the only World, Birth, Tale of Melon City</p> <p>Literature: Poetry: Father to Son</p> <p>Writing Skill:Report/ Article</p>	<p>Grammar:Determiners, Tenses, Modals Clauses, Change of Voice, Error Correction, editing task/cloze passages</p> <p>Reading Skill- Note Making, Comprehension Passages</p>

										REVISION
MATHEMATICS (SCIENCE)		Sets Relations and Functions	Trigonometry	Trigonometry contd. Statistics Principle of Mathematical induction Complex Numbers and Quadratic Equations	Linear Inequalities Permutations and Combinations	Binomial Theorem Sequence and Series Straight Lines	Straight lines contd. Conics Three-Dimensional Geometry	Three-Dimensional Geometry	Limits and Derivatives Probability Mathematical Reasoning	Mathematical Reasoning
MATHEMATICS (COMMERCIAL)		Algebra: Sets, Types of sets, Venn diagram, De Morgan's laws, Problem solving using Venn diagram Relations and types of relations,	Descriptive Statistics: Types of data, Representation and Interpretation of data Measures of central tendency.	Descriptive Statistics: (Cont.) Measures of dispersion – variance, skewness, kurtosis, percentile, rank correlation.	Numbers, Quantification and Numerical Applications: Prime Numbers, Binary Number, Complex Numbers,	Calculus: Concept of limits and continuity of a function Differentiation as a process of finding derivative Derivatives of algebraic	Coordinate Geometry: Standard forms of circles and parabola Basics of Financial Mathematics:	Basics of Financial Mathematics: (Cont.) Calculation of simple and regular annuities	Basics of Financial Mathematics: (Cont.) Types of taxes and surcharge. Calculation and interpretation of bill	Mathematical and Logical Reasoning: Mathematically acceptable statements, connectives

		Introducing functions, Domain and Range and types of functions AP and GP, Permutations and combinations		Probability: Basic Ideas, Law of Total Probability, Bayes' Theorem	Logarithm and Antilogarithm, Numerical problems related to real life	functions using Chain rule Straight Lines: Tangent line and equations of tangents	Simple interest, Compound Interest, Accumulation and Equivalency			ng words. Problems based on logical reasoning and real life Mathematics Activities: Two projects need to be completed as per the instruction of CBSE
PHYSICS		MOTION IN A STRAIGHT LINE MOTION IN A PLANE	PHYSICAL WORLD UNITS AND MEASUREMENT	LAWS OF MOTION ENERGY AND	SYSTEM OF PARTICLES AND	GRAVITATION MECHANICAL PROPERTIES OF SOLIDS	MECHANICAL PROPERTIES OF FLUIDS	THERMAL PROPERTIES OF MATTER	KINETIC THEORY	REVISION & FINAL EXAMINATION

					ROTATIONAL MOTION			THERMODYNAMICS	OSCILLATIONS AND WAVES	NATION 2021 -22
CHEMISTRY		Some basic concepts of Chemistry Structure of Atom	Structure of Atom contd/-	Classification of elements and periodicity in properties Chemical Bonding and Molecular structure	States of Matter Thermodynamics	s Block Elements p Block Elements Environmental Chemistry	Equilibrium Redox Reactions	Organic Chemistry- Some basic Principles and Techniques	Organic Chemistry- Some basic Principles and Techniques contd/- Hydrocarbons	Hydrogen Revision
BIOLOGY		Cell the unit of life Biomolecules Cell cycle and cell division	Digestion and absorption	Breathing and exchange of gases Body fluids and circulation Excretory products and their elimination Movements and locomotion	Neural control Chemical control	Transport in plants Mineral nutrition Photosynthesis in higher plants Respiration in plants Plant growth and regulators	Morphology of flowering plants Anatomy of flowering plants Structural organization in animals	Living world Biological classification	Plant kingdom Animal kingdom	REVISION & FINAL EXAMINATION 2021 -22
ENGINEERING		1.Rectilinear figures	2.Circles and Tangents	3.Special curves	4.Orthographic projection of Regular solids	5.Sections of solids.	6.Orthographic projection of simple machine blocks	7.Development of surfaces	8.Isometric projection	Revision

GRAPHICS										
INFORMATICS PRACTICES		<p>Introduction to computers and computing</p> <p>Computer Memory</p> <p>Software: purpose and types</p> <p>Basics of Python programming,</p> <p>Programming concepts</p> <p>Statements, Datatypes</p>	<p>control statements</p> <p>control - sequential flow, conditional - if, if..else, if..elif..else and nested if..else - break and continue</p> <p>for loop</p>	<p>list operations - creating, initializing, traversing and manipulating lists</p> <p>list methods and built-in functions.</p> <p>Programs with list</p> <p>Dictionary</p>	<p>Introduction to dictionary</p> <p>dictionary methods and built-in functions</p> <p>Data and its purpose</p> <p>basic statistical methods for understanding data</p> <p>Introduction to NumPy library</p>	<p>creation of NumPy arrays</p> <p>Arithmetic operations on one dimensional and two dimensional arrays.</p> <p>Database Concepts</p> <p>Relational data model:</p> <p>Introduction to Structured Query Language</p>	<p>Introduction to MySQL</p> <p>Data Definition Commands</p> <p>Data Query Commands</p> <p>Data Query Commands</p> <p>SQL Commands</p>	<p>Data Manipulation Commands</p> <p>More on Data Manipulation Commands</p> <p>Revision on python programming</p>	<p>Latest Technologies - Artificial Intelligence, Machine Learning, Natural Language Processing, Immersive experience (AR, VR),</p> <p>Concept of big data and its management</p> <p>Cloud computing and its uses</p>	<p>Revision on python programming</p> <p>Revision on MYSQL</p> <p>Revision on Emerging trends</p>

COMPUTER SCIENCE		Basic computer organisation - Types of software - Operating System - Boolean logic - Number system - Encoding schemes	Emerging trends - cloud computing - cloud services - block chains - AI - Machine learning - IoT	Introduction to problem solving - Basics of python programming - Data types - operators	Expressions - Evaluation of expressions - Errors - Type of errors - Flow of control - sequential flow, conditional - if, if..else, if..elif..else and nested if..else - break and continue	Expressions - statements - Type conversion - I / O - precedence of statements - iterative flow of control - for and while loop - Indentation - flow charts	Strings - Lists - Tuples	Dictionary - Sorting technique - Python modules	Digital Footprints - Digital society and Netizen - Data protection - Cyber - crime - Cyber safety - safely accessing web sites - E-waste management - IT Act - Technology & Society	Revision on - Computer Systems and Organisation - Computational Thinking and Programming - 1 - Society, Law and Ethics - Final Exam
ACCOUNTANCY		Introduction to Accounting Theory Base of Accounting	Recording of Transactions: Books of Original Entry- Journal	Special Purpose books: Cash Book: Simple, cash book with bank	Bank Reconciliation Statement:	Accounting for Bills of Exchange	Financial Accounting - II Financial Statements of Sole Proprietorship	Financial Accounting - II Financial Statements of Sole	Incomplete Records	Financial Statement Analysis

		Accounting Process-Voucher and Transactions		<p>column and petty cash book Purchases book Sales book Purchases return book Sales return bo</p> <p>Bank Reconciliation Statement: Need and preparation, Bank Reconciliation Statement with Adjusted Cash Book</p>	Depreciation, Provisions and Reserves	Trial balance and Rectification of Errors		Proprietors hip		
BUSINESS STUDIES		<p>Nature and Purpose of Business</p> <p>Forms of Business Organisation</p>	<p>Forms of Business Organisation (Contd.)</p>	<p>Forms of Business Organisation - Formation of Company (Contd.)</p> <p>Private, Public and Global Enterprises</p> <p>Business Services</p>	<p>Business Services (Contd.)</p> <p>Emerging modes of Business</p>	<p>Social Responsibility of Business and Business Ethics</p> <p>Sources of Business Finance</p> <p>Project</p>	<p>Sources of Business Finance (Contd.)</p> <p>Small Business</p>	Internal Trade	International Trade Viva	Revision

ECONOMICS		Introduction to statistics, Collection of data Introduction to Microeconomics	Theory of Consumer Behaviour	Theory of Consumer Behaviour (Cont) Organization of Data	Presentation of data, Measures of Central Tendency	Measures of Central Tendency (Cont) Producer's Behaviour	Cost, Revenue, Supply Measures of Dispersion	Market Equilibrium	Correlation Forms of Market	Index Number
ENTREPRENEURSHIP		Unit 1: Entrepreneurship: Concept and Functions Unit 2: An Entrepreneur	Unit 2: An Entrepreneur (contd) Unit 3: Entrepreneurship Journey	Unit 3: Entrepreneurship Journey (contd)	Unit 4: Entrepreneurship as Innovation and Problem Solving Unit :5 concept of Market	Unit-5: Concept of Market	Unit-6: Business Finance and Arithmetic	Unit-6: Business Finance and Arithmetic (contd)	Unit-7: Resource Mobilization	Unit-7: Resource Mobilization (contd)
MARKETING		<u>Unit 1</u> <u>Introduction to Marketing</u> <u>Unit 2 Marketing Environment</u>	<u>Unit 2</u> <u>Marketing Environment</u> <u>Unit 3</u> <u>Marketing Segmentation, Targeting & Positioning</u>	<u>Unit 3</u> <u>Marketing Segmentation, Targeting & Positioning</u>	<u>Unit 4</u> <u>Fundamentals of Marketing Mix</u>	<u>Unit 5</u> <u>CONSUMER BEHAVIOUR</u>	<u>Unit 1:</u> <u>Communication Skills</u> <u>Unit 2:</u> <u>Self-management Skills</u>	<u>Unit 3:</u> <u>Basic ICT Skills</u>	<u>Unit 4:</u> <u>Entrepreneurial Skills</u>	<u>Unit 5:</u> <u>Green Skills</u>

<p>PSYCHOLOG Y</p>		<p>CHAPTER 1: What is Psychology?</p> <p>Introduction</p> <p>Evolution of Psychology</p> <p>Development of Psychology in India</p> <p>Branches of Psychology</p>	<p>CHAPTER 7: Human Memory</p> <p>Memory Systems: Sensory, Short-term and Long-term Memories</p> <p>Level of Processing</p> <p>Types of Long term Memory</p> <p>Nature and Causes of Forgetting</p>	<p>CHAPTER 7: Human Memory</p> <p>Enhancing Memory</p> <p>CHAPTER 2: Methods of Enquiry in Psychology</p> <p>Goals of Psychological Enquiry</p> <p>Important Methods in Psychology</p> <p>Analysis of Data</p> <p>Ethical Issues</p>	<p>CHAPTER 6: Learning</p> <p>Classical Conditioning</p> <p>Operant Conditioning</p> <p>Observational Learning</p> <p>Cognitive Learning</p> <p>Verbal Learning</p> <p>Concept Learning</p> <p>Skill Learning</p> <p>Learning Disability</p> <p>Application of Learning Principles</p>	<p>CHAPTER 5: Sensory, Attentional and Perceptual Processes</p> <p>Sense Modalities - Human Eye and Human Ear</p> <p>Attentional Processes</p> <p>Perceptual Processes</p> <p>Illusions</p>	<p>CHAPTER 3: The Bases of Human Behavior</p> <p>Structure and Functions of Nervous and Endocrine System</p> <p>Structure of Brain</p> <p>Heredity: Genes and Behaviour</p> <p>Socio-Cultural Shaping of Behaviour</p>	<p>CHAPTER 4: Human Development</p> <p>Factors influencing Development</p> <p>Context of Development</p> <p>Overview of Developmental stages – Prenatal, Infancy, Childhood, Adolescence, Adulthood and Old age</p>	<p>CHAPTER 8: Thinking</p> <p>The Process of Thinking – Problem solving, Reasoning & Decision Making</p> <p>Thought and Language</p> <p>Nature, Process and Development of Creative Thinking</p> <p>Development of Language and Language Use</p> <p>CHAPTER 9: Motivation and Emotion</p> <p>Maslow’s Hierarchy of Needs</p>	<p>CHAPTER 9: Motivation and Emotion</p> <p>Physiological, Cognitive and Cultural Bases of Emotion</p> <p>Expression of Emotions</p> <p>Managing Negative Emotions</p> <p>Enhancing positive emotions</p>
<p>PHYSICAL</p>		<p>Changing Trends & Career in Physical Education.</p>	<p>Olympic Value. Education Physical Fitness,</p>	<p>Physical Education & Sports for CWSN.</p>	<p>Yoga. Physical Activity & Leadership Training.</p>	<p>Test, Measurement & Evaluation. Practical-Physical Fitness</p>	<p>Fundamentals of Anatomy, Physiology & Kinesiology in Sports.</p>	<p>Psychology & Sports Definition & Importance of</p>	<p>Training and Doping in Sports. Practical-Physical Fitness Test. Skill of</p>	<p>REVISION Final Practical (Physical Fitness)</p>

<p>EDUCATIO N</p>		<p>Practical-Physical Fitness Test</p>	<p>Wellness & Lifestyle. Practical- Skill of chosen sports/Game</p>	<p>Practical- Skill of chosen sports/Game</p>	<p>Practical- Skill of chosen sports/Game</p>	<p>Test. Skill of chosen sports/Game</p>	<p>Practical-Phy sical Fitness Test. Skill of chosen sports/Game</p>	<p>Psychology in Phy. Edu. & Sports. Practical-P hysical Fitness Test. Skill of chosen sports/Ga me</p>	<p>chosen sports/Game</p>	<p>Test. Skill of chosen sports/G ame)</p>
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