

MONTH	ENGLISH	MATHEMATICS	PHYSICS	CHEMISTRY	BIOLOGY	COMPUTER SCIENCE	ECONOMICS	PSYCHOLOGY
APR	Prose-The Portrait of a lady Poem-A photograph Writing Skill-Poster Unseen Comprehension Passage Activity- Art Integration -Thank you card for grandparents	Sets Complex Numbers Activity: To verify distributive law for three given non-empty sets A, B and C To distinguish between various Indian art forms using Sets and venn diagrams.	Motion in a straight line Scalar and vectors Path length and displacement Average velocity and average speed Acceleration Kinematic equations for motion Graph for one dimensional motion	Unit 1 -BASIC CONCEPTS IN CHEMISTRY Matter(Identification and Classification SI unit and measurement Laws of Chemical Combination MoleConcept(Evaluating) LimitingReagent Stoichiometry Art integration— poster on chemistry and alchemy	Living World Biological classification Plant Kingdom Practical: Observing the slides of Bacteria, Oscillatoria, Spirogyra; specimens of Mushroom, moss, fern.	CSO IPO, Storage Units, Mobile System Organization, Types of memories Hardware, Software, Firmware, Liveware Types of software- System software Application softwares Language processors utilities	Introduction to Microeconomics Activity-Flow chart of micro and macro variables	What is Psychology? Activity-Preparing the career options & scope of psychology

						NUMBER SYSTEM Numbers in base 2, 8, 16 and binary addition		
MAY	Prose-The Summer of the beautiful white horse -The Address Poem -The laburnum Top Writing Skill-Speech Activity- PPT and presentation on any one indigenous tribe of India.	Complex Numbers(contd.) Linear Inequalities Sequences and Series Activity: To demonstrate that the Arithmetic mean of two different positive numbers is always greater than the Geometric	Unit and measurement System of units Measurement of length Accuracy, precision Significant figures Errors in measurement, Dimensions Dimensional analysis and its application	MoleConcept LimitingReagent Stoichiometry	Animal Kingdom Morphology of flowering plants Practical: Study the plants of some common families. Study different types of inflorescence (cymose and racemose).	BOOLEAN ALGEBRA Boolean logic: NOT, AND, OR, NAND, NOR, XOR, NOT, truth tables and De Morgan's laws, Logic circuit BASIC PYTHON -Basics of Python programming: a simple "hello world" program, the process of writing a program (Interactive & Script mode), running it and print statements; simple data-types: integer, float and string.	Consumer's Equilibrium and Demand Activity-Scarcity Activity	Methods of Enquiry in Psychology Activity- Making a questionnaire Collecting data through personal interviews, questionnaires, & telephonic surveys

JUL ProseWe are rafraid to describe the control of the control	Trigonometric Functions To verify that for two sets A and B, n(AxB)= pq and the total number of relations from A to B is 2 ^{pq} ,	Motion in a plane Properties of vectors Addition and subtraction of vectors Resolution of vectors Motion in a plane Relative velocity Projectile motion Uniform circular motion Laws of motion Practical Vernier callipers, Screw gauge, Activity of paper scale Newton's laws of motion Equilibrium of a particle Friction	Unit 3 Classification of elements and periodicity in properties Trends of properties Graphical representati on Unit 2 structure of atom Practical: crystal preparation	Anatomy of Flowering plants Structural organisation in animals Cell: Structure and function Cell Cycle Practical: Preparation and study T.S. of dicot/monocot stem and root.	Computational Thinking Python Character Set, Token & Identifiers, Keywords, Literals, Delimiters, Operators. Introduce the notion of a variable and methods to manipulate it (concept of L-value and R-value even if not taught explicitly). data types and operators: accepting input from the console, assignment statement, expressions, operators and their precedence. Introducing conditional statement if elif else Flow of Control: introduction, use of indentation, sequential flow, conditional and iterative flow Patterns in	Introduction Collection, Organisation and Presentation of Data Activity-Class activity to collate data and present it as a diagram.	Human Development Activity- Observe a toddler and write down your observations & discuss them in class. Make a list of challenges faced by adolescents. Sensory, Attentional, and Perceptual Processes Activity- Miller's Law Experiment (Practical)
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			circular motion Banking of tracks			python Factorial of a number Introduction to Loops		
AUG	Prose-The Silk Road Poem Childhood Writing Skill/ Reading comprehension- Note making Activity- Listening skills	Straight lines Conic Sections An alternative method of constructing a parabola. (ACTIVITY)	Work-energy power Work energy theorem Work Kinetic energy Work done by variable force Potential energy Power Collisions Systems of particles and rotational motion Practical Law of parallelogram, friction, Activity - To plot graph as per given data Centre of mass Motion of Centre of mass Vector product of two vectors	Unit 2 structure of atom(contd) Unit 7:Redox reactions Research on the applications of different types of cells PRACTICALS – SALT ANALYSIS	Cell Division Biomolecules Photosynthesis in Higher Plants Practical: Test for the presence of sugar, starch, proteins and fats in suitable plant and animal materials. Separation of plant pigments through paper chromatography.	Loops continued Iterative Statement: for loop, range(), while loop break and continue statements, nested loops, suggested programs: -generating pattern, -summation of series, -finding the factorial of a positive number, etc. STRINGS Traversal, operations — concatenation, repetition, membership;	Mean, median and Mode Supply Activity: Supply Scavenger Hunt	Learning Activity- Movie Analysis and discussing different types of learning in the movie. Practical- Verbal Learning

			Angular velocity and linear velocity Torque and angular momentum Equilibrium of a rigid body Moment of inertia Dynamics of rotational motion about a fixed axis			functions/ methods, String slicing LIST introduction, indexing, list operations (concatenation, repetition, membership and slicing), traversing a list using loops, built-in functions/ methods nested lists,		
SEP	Term 1 Exam	Term 1 Exam	 Gravitation Kepler's laws TERM I EXAM Universal law of gravitation Acceleration due to gravity and its variation Gravitational potential energy Escape speed Earth satellite 	Unit 4 Chemical Bonding and Molecular structure Activity – model making - VSEPR structures PRACTICALS – SALT ANALYSIS (anions) HY exams	Respiration in Plants Plant Growth and development Revision for Mid-term	Flow charts Term 1 Exam	Term 1 Exam	Term 1 Exam

ОСТ	Prose-Adventure -Birth Poem-Father to son Integrated Grammar Gap Filling/Editing/Om ission Activity- Poster on International Day of Care and Support-29 October, highlighting the role of doctors and caregivers and paying a tribute to them.	Limits and Derivatives (ACTIVITY) 1) To find analytically $\lim_{x \to c} \frac{x^2 - c^2}{x - c}$ 2) To verify the geometrical interpretation of Derivatives	Properties of solids Elastic behaviour of solids Stress and strain Stress strain curve Elastic moduli Application of elastic behaviour of materials Properties of fluids Practical Simple pendulum, Activity Principle of moments, paper bridge Surface tension Pressure Streamline flow Application of surface tension Bernoulli's principle Viscosity Reynolds number Surface tension	Unit 4 Chemical Bonding and Molecular structure (contd) PRACTICALS – SALT ANALYSIS(cation s)	Breathing and exchange of gases Body Fluids and Circulation Practical: Study of the rate of respiration in flower buds/leaf tissue and germinating seeds.	DICTIONARIES Definition, Creation, Accessing elements of a dictionary, add an item, modify an item in a dictionary; Traversal, functions/method s - len(), dict(), keys(), values(), items(), get(), update(), del(), del, clear(), fromkeys(), copy(), pop(), popitem(), setdefault(), max(), min(), count(), sorted() copy(); FUNCTION IN PYTHON	Producer Behaviour Cost Revenue Producer's Equilibrium Activity-Graphic organizer on types of cost	Memory Activity- Memorization of concepts and recalling the same after 5 mins, 5 days, and 10 days. Discussion of the results.
NOV	Prose-	Permutations and Combinations	Oscillations Practical	Unit 8 Organic chemistry-Some	Excretory Products and their Elimination	Tuples Definition, Creation of a	Correlation Index Numbers	Thinking Activity-

-Mother's Day Writing Skill-Advertiseme nts Revision Activity- Role play	Probability 1) To write the sample space, when a coin is tossed once, two times, three times and four times. 2) To write the sample space, when a die is rolled once, twice, three and four times.	Terminal velocity, sonometer Periodic motion Simple harmonic motion and uniform circular motion Velocity and acceleration in simple harmonic motion Force law of simple harmonic motion Energy in simple harmonic motion Some systems executing SHM Damped simple harmonic motion. Forced oscillations and resonance	basic principles and techniques Unit9 Hydrocarbons PRACTICALS – SALT ANALYSIS(cation s)	Locomotion and Movement Neural Control Practical: Study human skeleton and different types of joints with the help of virtual images/models only.	Tuple, Traversal of a tuple. Operations on a tuple - concatenation, repetition, membership; function Nested tuple; Tuple slicing; finding the minimum, maximum, mean of values stored in a tuple; linear search on a tuple of numbers, counting the frequency of elements in a tuple. Python modulesfunctions and libraries Searching Techniques Linear Search	Activity-Role Play	Think and analyze a case where a child does not recognize his name, doesn't respond to the teacher, seems in his world, and is comfortable in class. Share your thoughts.
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DEC	Poem - The Tale of melon city Grade 12 - The last lesson -My mother at sixty six	Binomial Theorem (ACTIVITY) To construct a Pascal's Triangle and to write binomial expansion for a given positive integral exponent. Matrices (CLASS XII)	Transverse and longitudinal waves Displacement relation in a progressive wave Speed of a travelling wave Principle of superposition of waves Interference of waves Reflection of waves, standing waves, Oscillation of a string, open and closed pipe Beats	Hydrocarbons (contd) Unit 6 Equilibrium PRACTICALS – SALT ANALYSIS (cation s) Volumetric -quantitative analysis	Chemical control and Coordination	DIGITAL FOOTPRINTS DIGITAL PROTECTION CYBER CRIME CYBER SAFETYE WASTE MANAGEMENT TECHNOLOGY AND SOCIETY PROJECTS INTRODUCTION TO MYSQL	Forms of Market and Price Determination under perfect competition with simple applications Activity-Comic strip on a different types of market	Activity- List down the top 5 motivators in your life. Share your experiences of tough & difficult situations.
JAN	Revision	Determinants (CLASS XII)	Revision	Unit 5 Thermodynamics Practical exams		Revision MySQL (Class XII)	India on the eve of Independence(XII)	XII Psychological Disorders

FEB	FINAL EXAMS							