



TAGORE INTERNATIONAL SCHOOL
VASANT VIHAR, NEW DELHI
SYLLABUS (2025-26)
CLASS XII C & D

MONTH	ENGLISH	MATHEMATICS	PHYSICS	CHEMISTRY	BIOLOGY	COMPUTER SCIENCE	ECONOMICS	PSYCHOLOGY
MAR	Prose- My Mother at sixty six (Poem) Reading comprehension Question papers-marking scheme (previous years) Writing Skill-Notice	Matrices Determinants	Electrostatic Potential and Capacitance. Activity: Powering the LED with Capacitors showing the mechanism of charging and discharging.	Solutions Henry's law	Sexual reproduction in flowering plants Human reproduction	MySQL Data types and constraints, DDL, DML, retrieving data, data updation and deletion, Functions in SQL , Operations on Relations, Using two relations in a query, Joins, Group by Activity: BINGO GAME	Money and Banking Indian Economy on the Independence Art Integration-Make a digital newspaper	Variations in Psychological Attributes Introduction to Psychological Testing; Practical 1 - RSPM Meeting Life Challenges Activity: Role-playing stress situations, guided relaxation and stress management techniques.
APR	Prose-The Last Lesson	Inverse Trigonometric Functions		Raoult's law	Reproductive Health	Exception Handling	Indian Economy 1950-1990	Self and Personality

	<p>Unseen Comprehension Passage</p> <p>Prose-Lost Spring</p> <p>-The Third Level</p> <p>-Journey to the end of the Earth</p> <ul style="list-style-type: none"> • Writing Skill-Invitations & Replies • Activity-Art Integration - Make a poster with a catchy slogan on 'Child Labour 	<p>Continuity and Differentiability</p> <p>Application of Derivatives</p> <p>LAB ACTIVITY:</p> <ul style="list-style-type: none"> • To draw the graph of $\sin x$ and demonstrating the concept of mirror reflection (about the line $y = x$). 	<p>Current and Electricity</p> <p>Practical : To determine resistivity of two / three wires by plotting a graph for potential difference versus current.</p> <p>(Health and Wellness) Activity : Create a digital poster on electrical safety at home explaining the effects of electrical shock.</p>	<p>Ideal and non ideal solutions</p> <p>Colligative properties</p> <p>Deviations</p> <p>From ideality</p> <p>Haloalkanes and haloarenes</p> <p>Classification and methods of preparation</p> <p>Chemical properties of haloarenes</p> <p>Practicals:</p> <p>1.Chromatography</p> <p>2.Salt analysis</p> <p>Activity: Create models of enantiomers to understand the concept of optical</p>	<p>Art Integration</p> <p>Create a skit/role-play on a family discussing contraceptive choices, MTP and STI.</p> <p>Principles of Inheritance and Variation Mendel's Laws of Genetics</p>	<p>Activity: Code to generate specific error/ Exception</p> <p>Random Library</p> <p>Text File Handling</p> <p>Binary File Handling- Introduction</p> <p>ACTIVITY: Master peak Game</p>	<p>Activity: Policy Debate</p> <p>New Economic policy-1991</p> <p>Activity: Role Play</p> <p>Government Budget</p> <p>Activity: Mock Budget Presentation and games</p> <p>Human capital Formation</p> <p>Activity: Picture-Based Interpretations : Compare literacy and health data across countries Data Analysis</p>	<p>Activity: "Know Yourself" Students will explore and represent their own traits, strengths, and goals.</p> <p>Practical 2-AISS</p>
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		<ul style="list-style-type: none"> To sketch the graphs of a^x and $\log a x$, $a > 0$, $a \neq 1$ and to examine that they are mirror images of each other To find analytically the limit of a function $f(x)$ at $x = c$ and also to check the continuity of the function at that point. 		activity and chirality				
MAY	Prose-Poets and pancakes -Deep Water -Tiger King Poem-- A Thing of Beauty Writing Skill-Letter to the Editor	Application of Derivatives(Cont d.) Integrals (Indefinite) Math Lab Activities	Moving Charges and Magnetism Magnetic Force Lorentz Force Magnetic force on a current carrying conductor Motion in a magnetic field Galvanometer	Alcohol, Phenol, Ethers Preparation physical properties chemical properties	Molecular Basis of Life The DNA The Search for Genetic Material RNA World Replication Transcription Genetic Code Translation Regulation of Gene Expression Human Genome	Binary File <ul style="list-style-type: none"> Open (filename – absolute or relative path, mode) / Close a binary file, Pickle Module – methods load and dump; Read, Write / Create, 	National income and its related aggregates. Activity: Income Tracker Game and use of flashcards to show different aggregates.	Psychological Disorders Activity: "Myth vs Fact" – Create awareness posters or presentations busting common myths about mental health.

	<p>Activity- Compose a poem on the beauty of nature using at least six poetic devices.</p>	<ul style="list-style-type: none"> • To understand the concepts of local maxima, local minima and point of inflection. • To construct an open box of maximum volume from a given rectangular sheet by cutting equal squares from each corner. 	<p>Conversion of galvanometer into ammeter and voltmeter.</p> <p>Practical To determine resistance of a galvanometer by half-deflection method and to find its figure of merit.</p> <p>Cartoon Strip: Dialogue between Tesla and Edison (war of currents)</p> <p>Electromagnetic Induction Faraday's laws Lenz's law Self Induction Mutual Induction</p>	<p>Biomolecules</p> <p>Carbohydrates</p> <p>Protein</p> <p>Denaturation of protein</p> <p>Practicals:</p> <ol style="list-style-type: none"> 1. Salt analysis 2. Food analysis <p>Activity: create a presentation on the development of structure of glucose</p>	<p>Project DNA Fingerprinting</p>	<ul style="list-style-type: none"> • Search, • Append and • Update operations <p>FUNCTIONS</p> <p>PROJECTS</p> <p>Activity: Design a student record automation system</p>		<p>Practical 3 - MPI</p>
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				a story on speed of reaction and factors. (group activity)				
AUG	Prose-Indigo (cont) - Going Places Poem-A Roadside Stand Aunt Jennifer's Tigers Activity- Listening and speaking skills JAM (impromptu) & creating dialogues based on prompts/ visuals Dream Collage – <i>Going Places</i> using magazine cutouts or drawings <i>representing Sophie's dreams (e.g., fashion, cafes, celebrity life, football</i>	Differential Equations (Contd.) Linear Programming Probability Lab Activity To explain the computation of conditional probability of a given event A, when event B has already occurred, through an example of throwing a pair of dice.	E.M WAVES Displacement current Electromagnetic waves Electromagnetic Spectrum Dual nature of matter and radiation Photoelectric effect Dual nature De Broglie relation	Integrated rate law Zero and first order reaction Collision theory Aldehydes, Ketones, Carboxylic acids Methods of preparation Physical properties Carboxylic acids Naming and reactions Practicals:	Biotechnology Principles and tools Biotechnology Applications Organisms and Population	STACKS CSV File Handling Project work code and UI design, report generation and testing	Rural development Activity: Adopt a Village and compare a modern village with a rural backward one. Sustainable Development and Environment Activity: Eco Audit of School/Home. Discussion on pollution	Therapeutic Approaches Activity: "Role Play: Therapist & Client" – Simulate a basic therapy session using client-centered or cognitive-behavioral techniques.

	matches).			<p>Volumetric analysis</p> <p>Project: create a poster on use of carbonyl compound</p>				
SEP	Term 1 Exam	Term 1 Exam	<p>Term I Exam</p> <p>Revision</p> <p>RAY OPTICS</p> <p>Reflection</p> <p>Refraction</p> <p>Dispersion</p> <p>Optical Instruments</p>	<p>Organic compounds containing Nitrogen</p> <p>Revision for Term-1 Exam</p>	<p>Organisms and population</p> <p>Population interaction</p>	<p>Networking - Networking devices</p> <p>Revision Mid Term Exam</p>	<p>Employment</p> <p>Revision Term-1 Exam</p>	<p>Mid-Term Exams</p>
OCT	<p>Prose- On the Face of it</p> <p>- Memories of Childhood</p> <p>Writing Skill-Job Application</p> <p>Revision</p>	<p>Vectors</p> <p>Three Dimensional Geometry</p> <p>Relations and Functions</p> <p>LAB ACTIVITY: To verify geometrically that Angle in a semi-circle is a right angle, using vector method.</p>	<p>WAVE OPTICS</p> <p>Huygens Principle</p> <p>Coherent and incoherent sources</p> <p>Diffraction</p> <p>Practical :</p> <p>To find the focal length of a convex lens by plotting graphs</p>	<p>d-f block elements</p> <p>transition elements</p> <p>lanthanoid and actinoid</p> <p>Co -ordination</p>	<p>Ecosystem</p> <p>Biodiversity and conservation</p>	<p>Networking Continued</p> <p>Topologies, devices, switching techniques , mobile communication, protocols, webs services</p> <p>Practical File</p> <p>Case study - School Network</p>	<p>Balance of Payments and Foreign exchange.</p> <p>Activity: Trade Simulation Game</p> <p>India's relation with its neighbours</p> <p>Activity-Group work</p>	<p>Attitude and Social Cognition</p> <p>Activity: "Social Experiment Reflection" – Observe or design attitudes or group behavior and discuss findings.</p> <p>Social Influence and Group Processes</p>

		<p>To verify geometrically that: $\overline{c} \times (\overline{a} + \overline{b}) =$</p> <p>LAB ACTIVITY: To verify that the relation R in the set L of all lines in a plane, defined by R = $\{ (l,m) : l \parallel m \}$ is an equivalence relation.</p> <p>LAB ACTIVITY: To demonstrate a function which is not one-one but is onto.</p>	<p>between u and v Practical : To find the focal length of a convex mirror, using a convex lens. Atoms and nuclei Atomic Spectra Nuclear Energy</p> <p>SEMICONDUCTOR DEVICES P-n junction Semiconductor diode Photo diode Solar cell</p>	<p>Chemistry Nomenclature rules Isomerism Magnetic property Hybridization Geometry Practicals: 1.Chemical kinetics 2.Preparation of Colloidal solution</p>		Revision Worksheets		<p>Activity: "Group Task Challenge" – Students complete a team-based problem-solving task and reflect on leadership, cooperation, and group dynamics.</p> <p>Practical 5 - SCQ</p>
NOV	Revision test (40 M)	Revision test (40 M)	Revision test (35M)	Revision	Revision test (40 M)	Revision	Revision Test	Revision
DEC	Pre- Boards	Pre- Boards	Pre-Boards	Pre-Boards	Pre- Boards	Pre-Boards	Pre-Boards	Pre- Boards
JAN	Board Practicals Revision	Board Practicals Revision	Board Practicals	Board Practicals	Board Practicals Revision	Board Practicals Revision	Board Practicals	Board Practical

			Revision	Revision			Revision	
FEB	Board Exams	Board Exams	Board Exams	Board Exams	Board Exams	Board Exams Revision	Board Exams	Board Exams
MARCH		Board Exams	Board Exams	Board Exams			Board Exams	Board Exams