



TAGORE INTERNATIONAL SCHOOL
VASANT VIHAR
SYLLABUS SESSION 2019-20
CLASS XI-C/D

MONTH	ENGLISH	MATHEMATICS	PHYSICS	CHEMISTRY	BIOLOGY	COMPUTER SCIENCE	ECONOMICS	PSYCHOLOGY
APRIL- MAY	<p>INTRODUCTION</p> <p>LITERATURE: 1.The Portrait of a Lady (Prose-Hornbill)</p> <p>2.The Summer of the Beautiful White Horse (Prose-Snapshots)</p> <p>3.Landscape of the Soul (Prose-Hornbill)</p> <p>Comprehension passage</p> <p>INTEGRATED GRAMMAR: - Dialogue writing - Word Bank</p>	<p>Chapter 1 Sets</p> <p>Chapter 2 Principle of Mathematical Induction</p> <p>Chapter 3 Complex Numbers</p>	<p>Chapter 1 Physical world</p> <p>Chapter 2: Unit and Measurements</p> <p>Chapter :3 Motion in one dimension</p> <p>Chapter 4: Motion in a Plane</p>	<p>Unit 1 Matter (Identification and Classification)</p> <p>SI unit and measurement</p> <p>Laws of Chemical Combination</p> <p>Mole Concept (Evaluating)</p> <p>Limiting Reagent</p> <p>Stoichiometry</p> <p>Practical's: introduction to micro kit</p> <p>Unit 3 periodic classification</p>	<p>BIOLOGY</p> <p>Unit-6 Reproduction: 1. Reproduction in living organisms. 2.Reproduction in plants 3. Reproduction in animals. 4. Reproductive Health.</p> <p>Activity-Collect information about different types of ovules in angiospermic plants.</p> <p>Expt. . Study pollen germination in flowering plants.</p> <p>Theme- TRIBES OF INDIA- - Collect information on plants used for</p>	<p>Computer Systems and Organisation (CSO)</p> <ul style="list-style-type: none"> • Computer Overview • Hardware and Software • Number system <p>Activity :</p> <p>Create a logic diagram for half adder. (Case study)</p>	<p>Unit1: Statistics introduction</p> <p>Ch1 What is economics?</p> <p>Ch2 Meaning, Scope and Importance of Statistics in Economics</p> <p>Collection Of Data</p> <p>Statistical series</p> <p>Types of series</p> <p>Types of Classification</p> <p>Tabular Diagrammatic</p> <p>Graphic</p> <p>measures of central tendency</p>	<p>UNIT I</p> <p>What is Psychology?</p> <p>Activities- Developing connection of Psychology with other disciplines</p> <p>UNIT II</p> <p>Methods of Enquiry in Psychology</p>

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	<p>- Rearrangement of words/phrases to form sentences</p> <p>WRITING SKILLS:</p> <ul style="list-style-type: none"> - Notice - Poster - Letter to the editor - Speech - Debate - Article <p>ACTIVITY: Poster Making</p> <p>LITERATURE:</p> <p>1. A Photograph (Poem-Hornbill)</p> <p>2. The Address (Prose-Snapshots)</p> <p>3. We're Not Afraid to Die (Prose-Hornbill)</p>				<p>medicinal purpose by Indian tribes</p> <p>Value-Gender sensitization</p> <p>Unit-7 Genetics:</p> <p>5. Principles of inheritance.</p> <p>6. Molecular basis of inheritance.</p> <p>7. Evolution.(contd.)</p> <p>Expt.-Study inheritance of human disorders using pedigree.</p> <p>Skill-Problem solving skill</p> <p>Activity— Selection & Discussion of scientific projects for submission in board practical exams.</p>			

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JULY	<p>INTEGRATED GRAMMAR: - Editing error - Editing omission - Rearrangement of words/phrases to form sentences</p> <p>WRITING SKILLS: - essay - letter of enquiry - registering complaints</p> <p>ADVANCED READING SKILLS: - note making and summary ASL ACTIVITY: Collage-making</p>	<p>Chapter 2 Relations and Functions</p> <p>Chapter 3 Trigonometric Functions</p>	<p>Chapter 5: Laws of Motion</p> <p>Chapter 6: Work, energy and Power</p> <p>Practical's : 1, 2 Venire's calipers 3, 4 Screw gauge</p>	<p>Unit 2: Structure of atom practical Salt analysis</p>	<p>3. CELL AS UNIT OF LIFE</p> <p>4. BIOMOLECULES</p> <p>5. CELL CYCLE</p> <p>Social skill- Empathy</p>	<p>Programming and Computational Thinking</p> <ul style="list-style-type: none"> • Introduction to Python • Python basics • Python data handling • Operations and Expressions • Selection construct <p>Activity : Create an application for your class teacher where she enters students marks and grades are calculated.</p>	<p>Consumers Demand Production function ,Cost and revenue</p>	<p>UNIT II Methods of Enquiry in Psychology (Continued) Activities-Identify the independent and dependent variables</p> <p>UNIT III The Bases of Human Behavior Activities- 1.Functions of brain</p>
AUG.	<p>LITERATURE: 1. Discovering</p>	<p>Chapter 3 Trigonometric Functions</p>	<p>Chapter 7: Rotational Dynamics</p>	<p>Unit 10:S-block elements Reactivity of</p>	<p>6. PLANT WATER</p>	<p>Programming and Computational</p>	<p>Measures of dispersion Theory of Supply</p>	<p>UNIT IV Human development</p>

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	<p>Tut (Prose-Hornbill)</p> <p>2. The Voice of the Rain (Poem-Hornbill)</p> <p>3. Silk Road (Prose-Hornbill): Comprehension passage</p> <p>INTEGRATED GRAMMAR: - Editing error - Editing omission - Rearrangement of words/phrases to form sentences</p> <p>WRITING SKILLS: -Diary entry -Official Letters</p>	<p>(contd)</p> <p>Chapter 13</p> <p>Limits and Derivatives</p>	<p>Chapter 8: Gravitation</p> <p>Chapter 9: Mechanical Properties Of Solids</p> <p>Practical's :</p> <p>5. Spherometer</p> <p>6. Law of parallelograms</p> <p>7. Beam balance</p>	<p>alkali metals.</p> <p>Practical group 1 anions contd.</p> <p>Group 2: chloride and bromide(logical intelligence)</p> <p>Unit 8 Redox reactions Activity Setting up of galvanic cell.(kinesthetic)</p>	<p>RELATIONSHIPS</p> <p>7. MINERAL NUTRITION</p> <p>8. PHOTOSYNTHESIS IN HIGHER PLANTS</p> <p>Practicals— Separation of Plant pigments using paper chromatography</p> <p>Life skill—Critical thinking</p> <p>Value--Empathy</p>	<p>Thinking (continued)</p> <ul style="list-style-type: none"> • Notion of iterative • for, while, flowcharts, decision trees • Iterative applications • pseudo code; interest <p>Activity : Make programs on computer using Python IDLE</p> <p>Test programs with dummy data ,debug and interpret the outputs</p>		<p>Activities- Interview people and list the challenges faced during different stages of life</p> <p>UNIT VI</p> <p>Learning Activity- Experiment of verbal learning</p>

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SEP.	<p>LITERATURE: Albert Einstein at School(Prose-Snapshots)</p> <p>INTEGRATED GRAMMAR: - Editing error - Editing omission - Rearrangement of words/phrases to form sentences</p> <p>WRITING SKILLS: -Report -Speech -Business letters: i)placing orders ii) cancelling orders</p> <p>ACTIVITY: Buzz sessions Revision for Half Yearly Examination</p>	<p>Chapter 8 Binomial Theorem</p> <p>Chapter 6 Linear Inequalities</p>		<p>Unit 4: Chemical bonding and molecular structure Activity Ball and stick models.(logical and numerical)</p> <p>Practicals : nitrate and sulphate (logical intelligence)</p> <p>Revision</p>	<p>RESPIRATION IN PLANTS Life skill-critical thinking while studying the cycles in respiration & photosynthesis.</p> <p>10. Plant growth & Development</p> <p>11. Digestion & Absorption</p> <p>Practicals- studying the process of anaerobic respiration</p>	<p>Revision :</p> <ul style="list-style-type: none"> Data handling Data representation Operators and expressions <p>Programming methodologies</p> <p>Selection constructs</p> <p>Conditional construct</p> <p>Strings</p> <p>Activity : Students will be given some pre written programs and they will have to debug them.</p>	<p>Mean Deviation</p> <p>Revision</p>	<p>Experiment of transfer of learning</p> <p>Revision</p>

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OCT.	<p>LITERATURE: 1. The Ailing Planet (Prose-Hornbill) 2. Ranga's Marriage (Prose-Snapshots) 3. Mother's Day (Play-Snapshots)</p> <p>INTEGRATED GRAMMAR: - Editing error - Editing omission Rearrangement of words/phrases to form sentences</p> <p>WRITING SKILLS: -Report writing -Debate -Speech</p> <p>ACTIVITY: Role-play ASL</p>	<p>Chapter 10 Straight Lines</p> <p>Chapter 11 Conic Sections Activity: To identify conic sections in the school building.</p>	<p>Chapter 10: Mechanical Properties Of Fluids.</p> <p>Chapter 11: Thermal Properties Of matter</p> <p>Chapter 12: Thermodynamics</p> <p>Practical's :</p> <p>8. Laws of friction</p> <p>9. Coefficient of viscosity</p>	<p>Unit 12 basic concepts in organic chemistry</p>	<p>12. Breathing & Exchange of gases</p> <p>13. Body fluids & Circulation</p> <p>14. Excretory products & their elimination</p> <p>Practical-- Study-types of Blood cells</p> <p>SKILL- Interpretational skill -</p> <p>VALUE-Know yourself</p>	<p>Programming and Computational Thinking (PCT-1)</p> <p>Lists</p> <p>Activity : Count the number of operations while sorting</p>	<p>Market Price Equilibrium</p>	<p>UNIT VII</p> <p>Human Memory</p> <p>Activities- 1. Activity on chunking</p> <p>Practical – Serial position effect</p>

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NOV.	<p>LITERATURE: 1. The Browning Version (Play-Hornbill)</p> <p>2. Birth (Prose-Snapshots)</p> <p>3. Childhood (Poem-Hornbill)</p> <p>4. Father to Son (Poem-Hornbill)</p> <p>INTEGRATED GRAMMAR: - Editing error - Editing omission - Rearrangement of words/phrases to form sentences</p> <p>WRITING SKILLS: --letters to</p>	<p>Chapter 9 Sequences and Series</p> <p>Chapter 7 Permutations and Combinations</p>	<p>Chapter 13 Kinetic theory of gases:</p> <p>Chapter 14: Oscillations</p> <p>Practical's :</p> <p>10. Laws of oscillations</p> <p>11. Newton's law of cooling</p> <p>12. Simple pendulum</p>	<p>Unit 5 States of matter Activity: Gas Laws Using Balloons (kinesthetic)</p> <p>Unit 13 Hydrocarbons Practical; cations of group 4 and 5</p>	<p>LOCOMOTION & MOVEMENT</p> <p>16. Neural control & Coordination</p> <p>18. Chemical Coordination</p> <p>Practical- Make temporary stained slide of striated muscle.</p>	<p>Unit 4: Society, Law and Ethics (SLE-1) - Cyber</p> <ul style="list-style-type: none"> Cyber safety: <p>Activity : Presentation on various security threats</p>	<p>Standard Deviation Value</p> <p>To know the variation in data and range in prices</p>	<p>UNIT VIII</p> <p>Thinking</p> <p>Activities- Mental images</p> <p>Experiential learning activity on creative thinking</p>

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	<p>school authorities regarding: -admission -courses -school issues -Job application with bio-data</p> <p>ASL</p> <p>ACTIVITY: Retrospective role reversal</p>							
DEC.	<p>LITERATURE: 1. The Tale of Melon City (Poem-Snapshots) 2. The Ghat of the Only World (Prose-Snapshots)</p> <p>INTEGRATED GRAMMAR: - Editing error</p>	<p>Chapter 16 Probability Chapter 3 (Class12) Matrices</p>	<p>Chapter 15: Waves</p> <p>Practical's : Revision</p>	<p>chemistry</p> <p>Unit 11 P-block Group 13,14</p> <p>Unit 7 Equilibrium</p> <p>Practicals unknown salt , titration 1 an</p>	<p>19 .Living world 20. Biological Classification</p> <p>Practical: Observe the plant & Animal specimens</p>	<p>Unit 3: Data Management (DM-1)</p> <ul style="list-style-type: none"> Relational databases: SQL <p>Activity : Make tables and solve SQL queries based on</p> <ul style="list-style-type: none"> Select Where Order By 	<p>Measures of correlation</p> <p>Karl pearsons method</p> <p>spearman's method</p> <p>Index Numbers</p>	<p>UNIT IX Motivation and Emotion</p> <p>Activities-</p> <p>Different needs of different people (Activity 9.1 from NCERT)</p> <p>Project on Emotions</p>

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	<p>- Editing omission</p> <p>- Rearrangement of words/phrases to form sentences</p> <p>WRITING SKILLS: -SOP -Classified Advertisements</p> <p>ACTIVITY: Enactment of '<i>Heal The World</i>'</p> <p>REVISION OF WRITING SKILLS (CLASS XI)</p> <p>INTRODUCTION TO CLASS XII</p> <p>WRITING SKILLS OF CLASS XII: - Advertisements</p>					<ul style="list-style-type: none"> • Group By • Joins 		

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	-Invitations -All business letters							
JAN.- FEB.	LITERATURE (CLASS XII): My mother at Sixty-Six(Prose-Flamingo) INTEGRATED GRAMMAR: - Editing error - Editing omission - Rearrangement of words/phrases to	Chapter4 (class 12) Determinants	Chapter 16: Ray Optics Practical's : 15 Glass Prism. Revision	Revision	21.Plant Kingdom 22. Animal Kingdom	SQL commands: aggregation functions – having, group by, order by. Revision	Class XII Syllabus +Revision	Revision

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	form sentences WRITING SKILLS: -Bio data -Cover letter REVISION (CLASS XI)							