



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

MONTH	ENGLISH	PHYSICAL EDUCATION	MATHEMATICS	PHYSICS	CHEMISTRY	BIOLOGY	COMPUTER SCIENCE	ECONOMICS	PSYCHOLOGY
<b>March- APRIL- MAY</b>	<b>LITERATURE :</b>  1. My Mother at Sixty Six (Poem- Flamingo)  2. The Last Lesson (Prose- Flamingo)  3. The Tiger King (Prose- Vistas)  4. Lost Spring (Prose- Flamingo)  5. An Elementary School Classroom (Poem-	GAME- BASKETBALL ALL	Chapter 2: Inverse Trigonometric Equations  Chapter 5 : Continuity and Differentiability  Chapter 6: Application of Derivatives  Chapter 7: Integrals	Unit 1: Electrostatics  Unit 2: Current And Electricity  Unit 3: Magnetism  Unit 4: Emi And Ac  Unit 5 : EM wave  Practicals 1. Ohm's law  2,3,4 Meter bridge  5. Half deflection	Unit-2 Electro-chemistry  Activity  Construction of cell usefulness working  Unit-14  Chemistry in everyday life  Unit -13 Polymers  Unit-8 Haloalkanes and haloarenes  Unit-9  Alcohols, phenols and ethers  <b>Unit-1 Solution</b>	<b>BIOLOGY</b> Unit-6 Reproduction: 1. Reproduction in living organisms. 2. Reproduction in plants 3. Reproduction in animals. 4. Reproductive Health. Activity- Collect information about different types of ovules in angiospermic plants.  Expt. . Study pollen germination in flowering plants.  Theme- TRIBES OF INDIA- - Collect	Unit 1: Programming and Computational Thinking  <ul style="list-style-type: none"> <li>• Revision of the basics of Python</li> <li>• Functions:</li> <li>• File handling:.</li> <li>• Using Python libraries:</li> <li>• Data-structures: lists, stacks, queues.</li> </ul> <b>Activity :</b>  <ul style="list-style-type: none"> <li>• Write a minimal Django based web application that parses a GET and POST request, and writes the fields to a</li> </ul>	National Income and Related aggregates.  Government Budget and the Economy  Indian economic development till independence.  <b>PROJECT WORK</b>	<b>Unit 1</b> Variations in Psychological Attributes <b>Practicals-</b> RSPM & DBDA  <b>Unit 2</b> Self and Personality <b>Activities-</b> Understanding of the Self <b>Practical-</b> Assessment of Personality.  <b>Unit 3</b> Life Challenges <b>Activities-</b> On stress management  <b>Unit 4</b> Psychological Disorders <b>Practical</b> -Assessment of Anxiety <b>Activities-</b> Listing

	<p>Flamingo)</p> <p>6.The Enemy (Prose - Vistas)</p> <p>7. Deep Water(Prose- Flamingo)</p> <p>WRITING SKILLS: -Poster -Notice -Formal Informal Advertisemen ts -Letter to the Editor -Letter of Complaint - Business Letters(orders &amp;complains) -Diary Entry - Revision of formats and styles of writing</p> <p>ACTIVITY: Role Play</p>				<p><b>Unit -3 Chemical Kinetics</b></p> <p>Practical:Salt analysis</p>	<p>information on plants used for medicinal purpose by Indian tribes Value-Gender sensitization</p> <p>Unit-7 Genetics: 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 &amp; Discussion of scientific projects for submission in board practical exams.</p>	<p>file - flat file and CSV file.</p> <ul style="list-style-type: none"> <li>• Interface Python with an SQL database.</li> <li>• Idea of efficiency:</li> </ul>		<p>the examples of abnormal behaviors followed by situations where the behaviors might be considered normal. <b>Project-</b> In-depth case study of any one disorder</p>
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<b>JULY</b>	<p>LITERATURE :</p> <p>1. A Thing of Beauty (Poem- Flamingo)</p> <p>2. Keeping Quiet (Poem- Flamingo)</p> <p>3. The Rattrap (Prose- Flamingo)</p> <p>WRITING SKILLS: -- Revision of all writing skills done thus far - Report Prose 1 (Flamingo) – The Rattrap</p> <p>ADVANCED READING SKILL: -Note making</p> <p>ACTIVITY: Poetry writing</p>	<p>GAME- FOOTBALL</p>	<p>Chapter 7: Integrals (contd)</p> <p>Chapter 8: Application of Integrals</p>	<p>Unit 6:</p> <p>Ray optics</p> <p>Wave optics</p> <p>Practical :</p> <p>6,7. Potentiometer</p> <p>8. Concave mirror</p>	<p><b>Unit-6</b> P-block elements</p> <p><b>Unit-6 d-f block elements</b></p> <p><b>Unit-10 Aldehydes, Ketones, Carboxylic acids</b></p> <p>Practical</p> <p>Functional group analysis and food analysis</p>	<p>Unit-8</p> <p>8. Human Health.</p> <p>9. Strategies for Enhancement in food production.</p> <p>10. Microbes in human Welfare.</p> <p>VISIT to a scientific lab Expt.- Observe the effect of Temp. &amp; pH on the activity of salivary amylase</p> <p>Value-Empathy</p>	<p>. Unit 4: Society, Law and Ethics (SLE-2)</p> <ul style="list-style-type: none"> <li>Intellectual property rights, plagiarism, digital rights management, and licensing (Creative Commons, GPL and Apache), open source, open data, privacy.</li> <li>Privacy laws, fraud; cyber-crime-phishing, illegal downloads, child pornography, scams; cyber forensics, IT Act, 2000.</li> <li>Technology and society: understanding of societal issues and cultural changes induced by technology.</li> <li>E-waste</li> </ul>	<p>Components of Aggregate Demand Consumption Functions Determination of Equilibrium. Multiplier</p>	<p><b>Unit 5</b> Therapeutic Approaches <b>Activities-</b> Dialogue writing of a therapeutic session</p> <p><b>Unit 6</b> Attitude and social cognition <b>Activities-</b> Advertisement that influence attitude change. <b>Practical-</b> Assessment of Attitude</p> <p><b>Unit 7</b> Social influence and group processes</p>

						<p>management: proper disposal of used electronic gadgets.</p> <ul style="list-style-type: none"><li>• Identity theft, unique ids, and biometrics.</li><li>• Gender and disability issues while teaching and using computers.</li><li>• Data visualization using Pyplot: line chart, pie chart, and bar chart.</li></ul> <p>Activity :</p> <p>Write a Python program to plot the function <math>y = x^2</math> using the pyplot or matplotlib libraries.</p> <ul style="list-style-type: none"><li>• Create a graphical application that accepts user inputs, performs some operation on them, and then writes the output on the</li></ul>		
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							screen. For example, write a small calculator. Use the tkinter library.		
<b>AUG</b>	LITERATURE : 1.Indigo(Prose- Flamingo)  2.Should Wizard Hit Mommy (Prose-Vistas)  3. Going Places(Prose - Flamingo)  WRITING SKILLS: -Revision with sample worksheets -Short Writing Skills -Long Writing Skills  ACTIVITY: Poster making	GAME-T.T	Chapter 9 : Differential Equation  Chapter 12: Linear Programming Problem	Unit 7 : Dual Nature of Matter and Radiation Unit 8 : Atomic Nuclei Unit 9  Practical :  9. Convex lens  10. Concave lens  11.Convex mirror	<b>Unit-10 Aldehydes, Ketones, Carboxylic acids</b>  <b>Unit-11 Organic compounds containing Nitrogen</b>  <b>Unit -12 Biomolecules</b>  <b>Unit-7 Co-ordination Chemistry</b>  Practical: Kinetics Titration-2 Crystal and Colloidal solution preparation	Unit-9 11. Biotechnology- Principles & Processes.  PEACE-What does peace mean to you? Express it in any form.	Unit 2: Computer Networks (CN) • Structure of a network: Types of networks: local area and wide area (web and internet), new technologies such as cloud and IoT, public vs. private cloud, wired and wireless networks; concept of a client and server. • Network devices such as a NIC, switch, hub, router, and access point. • Network stack: • Application layer: Activity : Take a sample of 10 phishing e-mails and find the most common words.	Problems in Indian economy (Poverty, Unemployment , rural development , human capital formation)	<b>Unit-7</b> Social influence and group processes (Continued) <b>Activities-</b> Display of conformity in people  <b>Unit-8</b> Psychology and life <b>Activities-</b> What Kind of Seating Arrangements Do People Prefer?
<b>SEP.</b>	LITERATURE	GAME-	Chapter 13:	Revision	<b>Unit-7 Co-</b>	12.Biotechnology	Project work	Project work	<b>Practical-</b>

	<p>: 1.Evans Tries an O Level(Prose-Vistas) 2.Discussion on the extended novels: -Invisible man -Silas Marner WRITING SKILLS: Revision of all writing skills</p> <p>ACTIVITY: Dialogue writing</p>	CRICKET	Probability		<p><b>ordination Chemistry</b></p> <p><b>Unit-4 Surface chem.</b></p> <p>practicals</p> <p>EMF of a cell</p>	<p>&amp; its application Expt.- Extraction of DNA from different plant sources.</p> <p>Unit-10 Ecology 13. Organisms &amp; Populations.</p> <p>14.Ecosystem</p>	+ Revision	<p>Infrastructure</p> <p>+ Revision</p>	<p>Assessment of adjustment capacity</p> <p>Revision</p>
<b>OCT.</b>	<p>LITERATURE :1.On the Face of It (Prose-Vistas)  2. Memories of Childhood (Prose- Vistas) 3.Aunt Jennifer's Tigers(Poem-Flamingo) WRITING SKILLS: -Critical Appreciation -Diary Entry ACTIVITY: Role Play</p>	GAME-ATHLETIC	<p>Chapter 10 : Vectors</p> <p>Chapter 11 : Three Dimensional Geometry</p> <p>Activity : Finding skew lines in the classroom and in school</p> <p>Chapter 1: Relation and Function.</p>	<p>Electronic Devices.</p> <p>Practical: 12. Prism 13. Sonometer 14. Diode 15. Zener diode</p>	<p><b>Unit-5 General principles and process of isolation of elements</b></p>	<p>15. Biodiversity &amp; Conservation.</p> <p>16. Environmental Issues. Expt.- Visit to the park to study population Density of Plants.</p>	Project work + Revision	<p>Balance of Payments and Foreign Exchange.</p> <p>+  Sustainable economic development &amp; comparative study with neighbours</p>	<p><b>Unit-9</b> Developing Psychological skills</p> <p><b>Activities-</b> Evaluating your Interpersonal Skills (Activity 9.1 NCERT)</p>

