



TAGORE INTERNATIONAL SCHOOL
EAST OF KAILASH, NEW DELHI

CLASS XI C

PARENT SYLLABUS (2019-2020)

Month	English	PHY	CHEM	C.SC.	ECO	BIO	P.ED	MATH	PSY
April	Hornbill <ul style="list-style-type: none"> Lesson 1 - The Portrait of a Lady Poem- A Photograph Short Writing Task <ul style="list-style-type: none"> Drafting Advertisements > Classified > Non Classified Value - Fostering Respect Life skills - Problem Solving	Physical World and Measurement, Kinematics Value : Appreciation for differences Life Skill : Team work and collaboration	Topic : Some Basic Concepts In Chemistry Life Skill : Self awareness, Problem solving, Critical Thinking Value : Fostering Respect For Differences Responsibility and awareness	4.2. Unit 2: Computer Systems and Organisation (CSO) <ul style="list-style-type: none"> Basic computer organisation: description of a computer system and mobile system, CPU, memory, hard disk, I/O, battery, power. Types of software: application, OS, utility, libraries. Language of Bits: bit, byte, MB, GB, TB, and PB. Boolean logic: OR, AND, NAND, NOR, XOR, NOT, truth tables, De Morgan's laws Information representation: numbers in base 2, 8, 16, unsigned integers, binary addition 	STATISTICS FOR ECONOMICS What is Economics Introduction Meaning and Scope Life skill: Empathy.	Morphology of Flowering Plants Life Skill: Creative thinking Value: Honesty and Integrity Gender Sensitivity: Respect for everyone Health and Wellness: Time management	Changing trends & Career in Physical education Definition of Physical education, its aims & objectives. Development of Physical education Concept & principles of integrated physical education, Adaptive physical education Special Olympic Bharat Career Option in physical education	Sets Life Skill : Problem Solving Gender Sensitivity: Media language and Gender Values : Sensitivity to the Environment Principle of Mathematical Induction Life Skills: Problem Solving Gender Sensitivity: Media language and Gender Values: Sensitivity to the Environment	UNIT I INTRODUCTION TO PSYCHOLOGY <ul style="list-style-type: none"> Introduction What is Psychology? Understanding Mind and Behaviour Popular Notions about the Discipline of Psychology Evolution of Psychology Development of Psychology in India Branches of Psychology Themes of Research and Applications Psychology and Other Disciplines Psychologists at Work Psychology in Everyday Life
May	Hornbill <ul style="list-style-type: none"> Lesson 2 - We're Not Afraid to Die..... If We 	Kinematics(contd.) Value : appreciation	Topic : Structure Of Atom	<ul style="list-style-type: none"> Strings: ASCII, UTF8, UTF32, ISCII (Indian script code) 	Collection Of Data Organisation of data	Anatomy of flowering plants Life Skill:	Physical fitness, Wellness & Lifestyle Meaning &	Complex numbers and Quadratic Equations	UNIT 2 METHODS OF INQUIRY IN PSYCHOLOGY <ul style="list-style-type: none"> Introduction

	<p>Can All Be Together</p> <p>Writing Task</p> <ul style="list-style-type: none"> • Notice Writing • Poster Designing <p>Value - Fostering respect</p> <p>Life skills - Problem Solving</p>	<p>for differences</p> <p>Life Skill : team work and collaboration</p>	<p>Life Skill : Problem solving, Critical Thinking</p> <p>Value : Fostering Respect For Differences</p>	<ul style="list-style-type: none"> ➤ Execution of a program: basic flow of compilation – program → binary → execution ➤ Interpreters (process one line at a time), difference between a compiler and an interpreter ➤ Running a program: Notion of an operating system, how an operating system runs a program, idea of loading, operating system as a resource manager. ➤ Boolean Algebra-gates, truth tables 	<p>Presentation of data</p> <p>Tabular</p> <p>Diagrammatic</p> <p>Graphic</p> <p>Measures of central tendency</p> <p>Mean</p> <p>Positional and partition value</p> <p>Median</p> <p>Mode</p> <p>Value :</p> <p>Fostering respect for differences.</p>	<p>Creative thinking</p> <p>Value: Honesty and Integrity</p> <p>Gender Sensitivity: Respect for everyone</p> <p>Health and Wellness: Time management</p>	<p>Importance of physical fitness, wellness & life style.</p> <p>Components of Physical fitness & wellness, Preventing health threats through lifestyle change & components of positive lifestyle</p> <p><u>Outdoor physical activity</u> Running, stretching. Warming up exercises Practice of the game (volleyball)</p> <p><u>Olympic Movement</u> Ancient & Modern Olympics Olympic Symbols, Ideas, Objectives & Values. International Olympic Committee Indian Olympic Association Sports Awards, Paralympic Movement CBSE sports</p>	<p>Life Skills : Managing Emotions Gender Sensitivity : Gender and Society Values: Discipline</p>	<ul style="list-style-type: none"> • Goals of psychological enquiry • Nature of Psychological Data • Some Important Methods in Psychology • Analysis of data • Limitations of psychological enquiry • Ethical Issues
--	--	--	---	--	--	---	---	---	--

<p>July</p>	<p>Hornbill</p> <ul style="list-style-type: none"> Lesson 3 = Discovering Tut: The Saga Continues <p>Snapshot</p> <ul style="list-style-type: none"> Lesson 1 – The Summer of the Beautiful White Horse Lesson -2 =The Address <p>Writing Task</p> <ul style="list-style-type: none"> Letter to Editor, School or College Authorities Letter of Enquiry / Seeking Information Article Writing <p>Reading</p> <ul style="list-style-type: none"> Comprehension Note making and Summarisation <p>Grammar</p> <p>Review of Determiners, Modals, Tenses, Clauses, Change of Voice through</p> <ul style="list-style-type: none"> Error Correction, Editing Tasks. <p>Value – Optimism, Determination and will power, Appreciation,</p>	<p>Kinematics(contd.), Laws of Motion, Work Energy and Power</p> <p>Life Skill : Interpersonal Relationship</p> <p>Value : Honesty and integrity</p>	<p>Topic : Structure Of Atom contd...</p> <p>Classification Of Elements And Periodicity In Properties</p> <p>Redox Reactions</p> <p>Life Skill : Interpersonal Relationship, Problem solving, Critical Thinking</p> <p>Value : Team Work, Discipline</p>	<p>4.1 Unit 1: Programming and Computational Thinking (PCT-1)</p> <ul style="list-style-type: none"> Familiarization with the basics of Python programming: a simple "hello world" program, process of writing a program, running it, and print statements; simple data-types: integer, float, string Introduce the notion of a variable, and methods to manipulate it (concept of L-value and Rvalue even if not taught explicitly) Knowledge of data types and operators: accepting input from the console, assignment Statement, expressions, operators and their precedence. Conditional statements: if, if-else, if-elif-else; simple programs: e.g.: absolute value, sort 3 numbers, and 	<p>Micro Economics</p> <p>Basic concepts</p> <p>Concepts of Utility</p> <p>Concepts of Indifference Curve</p> <p>Demand</p> <p>Gender Sensitivity : Gender and Society.</p>	<p>Structural organization in animals</p> <p>Cell: The unit of life</p> <p>Biomolecules</p> <p>Life Skill: Effective Communication</p> <p>Value: Compassion</p> <p>Gender Sensitivity: Gender and society</p> <p>Health and Wellness: Being responsible and safe</p>	<p>Yoga</p> <p>Meaning & Importance of Yoga</p> <p>Yoga as an Indian Heritage</p> <p>Elements of Yoga</p> <p>Asanas, Pranayam, Meditation & Yogic kriyas.</p> <p>Prevention & management of Common lifestyle diseases ; Obesity, Asthma, Diabetes, Hypertension & back pain.</p> <p>Doping</p> <p>Concept & classification of Doping</p> <p>Prohibited substamces & Methods</p> <p>Side effects of prohibited substances</p> <p>Athletes responsibilities, Doping in sports & controlling procedures.</p> <p>Outdoor physical activity Running, stretching.</p>	<p>Relations and Functions</p> <p>Life Skills :Managing Emotions</p> <p>Gender Sensitivity : Gender and Society</p> <p>Values: Discipline</p> <p>Trigonometric Functions</p> <p>Life Skills :Managing Emotions</p> <p>Gender Sensitivity : Gender and Society</p> <p>Values: Discipline</p>	<p>UNIT 3</p> <p>The Bases of Human Behaviour</p> <ul style="list-style-type: none"> Introduction Evolutionary perspective on human behavior. Biological and cultural roots Biological basis of behavior Structure and Functions of Nervous System Endocrine System and their relationship with behaviour and experience Enculturation Socialisation Acculturation <p>UNIT 4</p> <p>Human Development</p> <ul style="list-style-type: none"> Meaning of development Life-span perspective on development Bronfenbrenner's contextual view of development. Overview of developmental stages :Prenatal development, Infancy, Childhood,
-------------	--	---	--	---	---	--	--	---	--

	Resolving crisis Life skills : Decision making, Tactfulness, Problem solving			divisibility. ➤ Loops-while, for, range			Warming up exercises Practice of the game (volleyball)		Adolescence
August	<p>Hornbill</p> <ul style="list-style-type: none"> Lesson 4 – Landscape of the Soul <p>Snapshot</p> <ul style="list-style-type: none"> Lesson 3 =Ranga's Marriage <p>Writing Task</p> <ul style="list-style-type: none"> Placing order / cancellation of order Speech Writing <p>Reading</p> <ul style="list-style-type: none"> Comprehension Note making and Summarisation <p>Grammar</p> <p>Review of Determiners, Modals, Tenses, Clauses, Change of Voice through</p> <ul style="list-style-type: none"> Reordering of sentences. <p>Value – Learning from the past</p> <p>Life skills- Analytical skills, Critical thinking</p>	Work Energy and Power(contd.) , Motion of System of particles and Rigid body Life Skill :Critical thinking Value :Sensitivity to Environment	<p>Topic : The s - Block Elements</p> <p>(Group 1 elements , Group 2 elements)</p> <p>Chemical Bonding And Molecular Structure</p> <p>Life Skill : Problem Solving, Analytical Thinking</p> <p>Value : Fostering Respect For Differences Conflict Resolution</p>	<p>4.1 Unit 1: Programming and Computational Thinking (PCT-1)</p> <p>Notion of iterative computation and control flow: for, while, flowcharts, decision trees and pseudo code; write a lot of programs: interest calculation, primarily testing, and factorials.</p> <p>Idea of debugging: errors and exceptions; debugging: pdb, break points.</p> <p>Strings: compare, concat, substring; notion of states and transitions using state transition diagrams.</p> <p>Functions</p>	Micro Economics Factors affecting price elasticity of demand Statistics Measures of dispersion Quartile Deviation Mean Deviation Standard Deviation Value: Teamwork	Cell cycle and Cell Division Transport in plants Mineral Nutrition Life Skill: Coping with Stress Value: Sharing and caring Gender Sensitivity: Gender Equality Health and Wellness: Protection against diseases	<p>Physical activity environment</p> <p>Introduction to physical activity Concept & Need of Sports environment, Essential element of positive sports environment. Principles of physical activity environment, components of health related fitness, Behaviour change technique for physical activity.</p> <p>Exercise guidelines at different stages of growth.</p> <p>Test & Measurement in sports</p> <p>Meaning, Importance of Test & Measurement in sports. Calculation of BMI</p>	Trigonometric Functions (Contd..) Limits and Derivatives Life Skills :Interpersonal Relationships Gender Sensitivity : Media Language and Gender Values :Fostering respect for differences Binomial Theorem Life Skills : Managing Emotions Values : Honesty and Integrity	<p>UNIT 5 Sensory, Attentional and Perceptual Processes</p> <ul style="list-style-type: none"> Knowing the world; Attentional processes Perceptual Processes The Perceiver Principles of perceptual organisation Perception of space, depth and distance Perceptual Constancies Illusions Socio-Cultural Influences on Perception <p>UNIT 6 Learning</p> <ul style="list-style-type: none"> Learning Nature of learning Paradigms of learning Classical Conditioning Operant Conditioning Observational Learning Cognitive learning Learning Disabilities Applications of Learning Principles

							& waist hip ratio Somato types, Procedures of Anthropometric measurements. Outdoor physical activity Running, stretching. Warming up exercises Practice of the game (volleyball) UNIT – I ROUND-I EXAMINATION		
September	Hornbill <ul style="list-style-type: none"> Poem : The Laburnum Top Poem : The Voice of the Rain Snapshot <ul style="list-style-type: none"> Lesson 4 – Albert Einstein at School Writing Task <ul style="list-style-type: none"> Complaint (Product / Service) Grammar Review of Determiners, Modals, Tenses, Clauses, Change of Voice through <ul style="list-style-type: none"> Transformation of sentences Value – Ceaseless effort, Acceptance	Gravitation Life Skill :Web of relationship Value : Responsibility and awareness	Topic : Chemical Bonding And Molecular Structure contd..... Life Skill : Problem Solving, Analytical Thinking Value : Fostering Respect For Differences Conflict Resolution	➤ Revision for half yearly examination	Micro Economics Micro Production Cost and Revenue Producers Equilibrium Supply Gender Sensitivity : Equality in Opportunity.	Photosynthesis in higher plants Respiration in plants Life Skill: Positive Thinking Value: Sensitivity to environment Gender Sensitivity: Gender stereotype Health and Wellness: Food and nutrition	Psychology and sports Importance of Psychology Stages of Growth and Development Adolescent problems & management Learning, Laws & transfer of learning Emotions. Outdoor physical activity Running, stretching. Warming up exercises Practice of the game (volleyball)	Linear Inequalities Life Skill : Critical Thinking Gender Sensitivity – Awareness Values – Honesty and Integrity Revision	UNIT 7 Human Memory <ul style="list-style-type: none"> Nature of memory Information Processing Approach The Stage Model Memory Systems: Sensory, Short-term and Long-term memories Types of Long-term memory Nature and causes of forgetting Enhancing memory

	Life skills - Effective communication						MID TERM EXAMINATION 2019-20		
October	Hornbill <ul style="list-style-type: none"> Lesson 5 - The Ailing Planet : the Green Movement's Role Poem : Childhood Snapshot <ul style="list-style-type: none"> Lesson 5 – Mother's Day Writing Task <ul style="list-style-type: none"> Report Writing > Magazine > Newspaper Reading <ul style="list-style-type: none"> Comprehension Note making and Summarisation Grammar <ul style="list-style-type: none"> Review of Determiners, Modals, Tenses, Clauses, Change of Voice through Dialogue completion <ul style="list-style-type: none"> Value - Leadership Life skills – Critical thinking, Creativity 	Gravitation (contd) Life Skill : Critical thinking Value : Honesty and Integrity	Topic : Organic Chemistry : Some Basic Principles And Techniques Life Skill : Critical Thinking, Problem Solving Value : Discipline	4.1 Unit 1: Programming and Computational Thinking (PCT-1) <ul style="list-style-type: none"> Lists, tuples and dictionary: finding the maximum, minimum, mean; linear search on list/tuple of numbers, and counting the frequency of elements in a list using a dictionary. Introduce the notion of accessing elements in a collection using numbers and names. Sorting algorithm: bubble and insertion sort; count the number of operations while sorting 	Micro Economics Price Elasticity of supply Life Skill : Interpersonal relationship.	Respiration in plants (contd.) Plant Growth and Development Digestion and Absorption Life Skill: Decision Making Value: Good Behaviour Gender Sensitivity: Awareness Health and Wellness: Food and nutrition	Fundamentals of Anatomy & Physiology Importance of Anatomy physiology, Functions of Skeleton system, Structure of muscles, Respiratory & Circulatory system, Heart, Oxygen dept & second wind.	Straight Lines Life Skills : Interpersonal Relationships Gender Sensitivity : Gender Stereotype Values : Respect for Law and Order Conic Sections Life Skills : Interpersonal Relationships Gender Sensitivity : Gender Stereotype Values : Respect for Law and Order	UNIT 8 Thinking <ul style="list-style-type: none"> Nature of thinking The processes of thinking Problem Solving Reasoning Decision making Nature and Process of creative thinking Developing creative thinking Thought and Language
November	Hornbill <ul style="list-style-type: none"> Lesson 6 = The 	Oscillations and waves(contd)	Topic : p-	Unit 3: Data Management (DM-1) (30 Theory+ 24	Micro Economics Theory of	Breathing and Exchange of Gases	Biomechanics and sports Meaning &	Sequences and Series Life Skills	UNIT 9 Motivation and Emotion

	<p>Ghat of the Only World</p> <ul style="list-style-type: none"> Lesson 7 - The Adventure Poem:= Father to Son <p>Snapshot</p> <ul style="list-style-type: none"> Lesson 6 – The Browning Version <p>Reading</p> <ul style="list-style-type: none"> Comprehension Note making and Summarisation <p>Integrated Grammar Practice</p> <p>Value – Human relationships</p> <p>Life skills – Empathy</p>	<p>Life Skill : Problem Solving</p> <p>Value : Fostering Respect For Differences</p>	<p>Block Elements</p> <p>Hydrocarbons</p> <p>Life Skill : Decision Making, Problem solving</p> <p>Value : Sharing , Compassion, Empathy</p> <p>Sensitivity towards environment</p>	<p>Practical)</p> <ul style="list-style-type: none"> Relational databases: idea of a database and the need for it, relations, keys, primary key, foreign key; use SQL commands to create a table, keys, foreign keys; insert/delete an entry, delete a table. SQL commands: select, project, and join; indexes, and a lot of in-class practice. <p>Basics of NoSQL databases - Mongo DB</p> <p>Class xii</p> <p>4.3 Unit 3: Data Management (DM-2) (20 Theory + 20 Practical)</p> <p>=>Write a minimal Django based web application that parses a GET and POST request, and writes the fields to a file - flat file and CSV file.</p> <p>Interface Python with an SQL database</p> <p>=>SQL commands:</p>	<p>price equilibrium</p> <p>Life Skill : Critical thinking.</p>	<p>Body Fluids and Circulation</p> <p>Excretory Products and their Elimination</p> <p>Life Skill: Empathy towards organisms</p> <p>Value: Team Work</p> <p>Gender Sensitivity: Gender bias</p> <p>Health and Wellness: Knowing your body</p>	<p>Importance of Biomechanics.</p> <p>Newton’s law of Motion & application</p> <p>Lever & its types & application.</p> <p>Equilibrium & force.</p> <p>UNIT – II ROUND- I EXAMINATION</p>	<p>:Critical Thinking</p> <p>Gender Sensitivity : Awareness</p> <p>Values : Honesty and Integrity</p> <p>Permutations and Combinations</p> <p>Life Skills :Interpersonal Relationships</p> <p>Gender Sensitivity :Media Language and Gender Values : Fostering respect for differences</p>	<ul style="list-style-type: none"> Nature of motivation Types of motives; Maslow’s Hierarchy of needs; Nature of emotions Physiological Bases of emotions Cognitive bases of emotions Managing negative emotions Enhancing positive emotions.
--	--	--	--	--	---	--	---	--	---

				aggregation functions – having, group by, order by.					
December	<p>Hornbill</p> <ul style="list-style-type: none"> Lesson 8 – Silk Road <p>Snapshot</p> <ul style="list-style-type: none"> Lesson 7 - Birth Lesson 8 - The Tale of Melon City <p>Reading</p> <ul style="list-style-type: none"> Comprehension Note making and Summarisation <p>Integrated Grammar Practice</p> <p>Value - Peace Making</p> <p>Life skills – Critical thinking</p>	<p>Properties of Bulk matter</p> <p>Life Skill : Decision Making, Problem Solving</p> <p>Value : Fostering Respect For Differences, Empathy</p>	<p>Topic : States Of Matter</p> <p>Chemical Equilibrium</p> <p>Life Skill : Coping with stress</p> <p>Value : Responsibility and awareness</p> <p>Conflict Resolution</p>	<p>Unit 4: Society, Law and Ethics (SLE-1) - Cyber safety (10 Theory)</p> <p>=>Cyber safety: safely browsing the web, identity protection, confidentiality, social networks, cyber trolls and bullying</p> <p>=>Appropriate usage of social networks: spread of rumours, and common social networking sites (Twitter, LinkedIn, and Facebook) and specific usage rules.</p> <p>=>Safely accessing web sites: adware, malware, viruses, Trojans</p> <p>=>Safely communicating data: secure connections, eavesdropping, phishing and identity verification.</p>	<p>Measures of correlation</p> <p>Index Numbers</p> <p>Gender Sensitivity : Home and Family.</p>	<p>Locomotion and Movement in Animals</p> <p>Neural Control and Coordination</p> <p>Chemical Coordination and Integration</p> <p>Life Skill: Interpersonal relationship</p> <p>Value: Respect for Law and Order</p> <p>Gender Sensitivity: Gender discrimination</p> <p>Health and Wellness: Knowing your body</p>	<p>Training in sports</p> <p>Sports training</p> <p>Principles of sports training</p> <p>Warming up & limbering down</p> <p>Load, adaption & recovery</p> <p>Skill, Technique & style</p> <p>Symptoms of over load & to overcome.</p> <p>Outdoor physical activity Running, stretching.</p> <p>Warming up exercises</p> <p>Practice of the game (volleyball)</p> <p>UNIT – II ROUND-I EXAMINATION</p>	<p>Permutations and Combinations (Contd.)</p> <p>Probability</p> <p>Life Skill :Problem Solving</p> <p>Value :Sensitivity To Environment</p> <p>Matrices (Class XII)</p> <p>Life Skill :Problem Solving</p> <p>Value :Sensitivity To Environment</p>	<p>UNIT 1(Class XII Syllabus)</p> <p>VARIATIONS IN PSYCHOLOGICAL ATTRIBUTES</p> <ul style="list-style-type: none"> Individual Differences in Human Functioning Assessment of Psychological Attributes Intelligence Theories of intelligence Individual Differences in Intelligence Culture & Intelligence Emotional Intelligence Special abilities Creativity
January	<p>Writing Task</p> <ul style="list-style-type: none"> Job Application with a bio-data or resumé 	<p>Properties of Bulk matter(contd)</p> <p>Life Skill :</p>	<p>Topic : Chemical Equilibrium</p>	<p>4.2. Unit 2: Computer Systems and Organisation (CSO)</p> <p>➤ Basic computer</p>	<p>Money and Banking</p> <p>Value:- Appreciate</p>	<p>The Living World</p> <p>Biological classification: Plant Kingdom</p>	<p>REVISION FOR FINAL EXAMS</p>	<p>Determinants (Class XII)</p> <p>Life Skills : Coping with</p>	<p>UNIT 2 SELF AND PERSONALITY</p>

	<ul style="list-style-type: none"> • Invitations and Replies 	<p>Creative Thinking, Coping With Stress Value : Empathy</p>	<p>contd.... Thermodynamics Life Skill : Decision Making Value : Conflict Resolution, Discipline</p>	<p>organisation: description of a computer system and mobile system, CPU, ➤ memory, hard disk, I/O, battery, power. ➤ Types of software: application, OS, utility, libraries. ➤ Language of Bits: bit, byte, MB, GB, TB, and PB. ➤ Boolean logic: OR, AND, NAND, NOR, XOR, NOT, truth tables, De Morgan's laws ➤ Information representation: numbers in base 2, 8, 16, unsigned integers, binary addition ➤ Strings: ASCII, UTF8, UTF32, ISCII (Indian script code) ➤ Execution of a program: basic flow of compilation – program □ binary □ execution ➤ Interpreters (process one line at a time), difference between a compiler and an interpreter ➤ Running a</p>	<p>the value for money.</p>	<p>Animal Kingdom Life Skill: Decision Making Value: Courtesy Gender Sensitivity: Gender inequality Health and Wellness: Personal and environmental hygiene</p>		<p>Stress Gender Sensitivity : Gender and Society Values : Conflict Resolution Revision</p>	<ul style="list-style-type: none"> • Introduction • Self and Personality • Concept of self • Cognitive and behavioral aspects of self • Culture and self • Concept of Personality • Major Approaches to the Study of Personality • Assessment of personality
--	---	--	--	--	-----------------------------	---	--	---	--

