



TAGORE INTERNATIONAL SCHOOL
VASANT VIHAR, NEW DELHI
PARENTS SYLLABUS (2020-21)
CLASS XI B
April-May

Subject	Topics Covered/No. of Periods	Learning outcome	Activities	Assessments
<p style="text-align: center;">Math</p>	<p>Ch 1 :SETS (12 classes)</p>	<p>Each child will be able to</p> <ul style="list-style-type: none"> ● Define the term set. ● Represent a set in roaster and set-builder form. ● List the various types of sets. ● Define equal sets. ● Define a subset. ● Define a power set. ● Define a universal set. ● Explain the various operations on sets i.e Union, intersection, compliment, difference. ● Solve practical problems on union and intersection of 2/ 3 sets. ● Understand the concept of Venn Diagrams. 	<p>Quiz based on Venn Diagram Concept..</p> <p>Asking students to form sets related to things around them.</p> <p>To verify distributive law for three given non-empty sets A,B and C</p> $A \cup (B \cap C) = (A \cup B) \cap (A \cup C)$ <p>(ACTIVITY)</p>	<ul style="list-style-type: none"> ● Class work and Homework given from NCERT and Assignment(uploaded in Google Classroom). ● Oral Questions ● Google Form

	<p>Ch 5 : COMPLEX NUMBERS AND QUADRATIC EQUATIONS (12 classes)</p>	<ul style="list-style-type: none"> ● Apply the concept of Venn diagrams in solving statement questions. <p>Each child will be able to</p> <ul style="list-style-type: none"> ● Recognize the need of a system of numbers beyond \mathbb{R} ● Define i. ● Define a complex number ● Find the sum, difference, Quotient and product of two complex numbers. ● List the various properties of addition and multiplication of complex numbers. ● Define conjugate and Modulus of z. ● List the properties of modulus and conjugate of z. ● Know the concept of polar form of a complex number. ● Express a complex number in polar form. ● Represent a complex number on XY- plane. ● Find the square root of z. 	<p>Students will find out the application of complex numbers in daily life and discuss.</p>	<ul style="list-style-type: none"> ● Class work and Homework given from NCERT and Assignment(uploaded in Google Classroom). ● Oral Questions. ● Google Form
--	---	---	---	--

	<p>Ch 4 : PRINCIPLE OF MATHEMATICAL INDUCTION (5 classes)</p>	<ul style="list-style-type: none"> ● Recall the methods of solving quadratic equations of class X ● Find the roots of a quadratic equation with complex coefficients. <p>Each child will be able to</p> <ul style="list-style-type: none"> ● Define deductive and inductive method. ● Differentiate btw inductive/ deductive method. ● Define a mathematical statement. ● State the Principle of Mathematical Induction. ● Prove mathematical statements using the PMI 	<p>Relate to Inductive & Deductive method of teaching in various topics taught in Mathematics.</p>	<ul style="list-style-type: none"> ● Class work and Homework given from NCERT(uploaded in Google Classroom) ● Oral Questions
<p>English</p>	<p>Prose- The Portrait of a Lady (Hornbill) (5 classes)</p>	<p>Each student will be able to- gain insight into the various phases of the author's life. admire the divine beauty of the grandmother.</p>	<p>Discuss the role of grandparents in one's life. Discuss why they feel lonely.</p> <p>Revision of the format. Discussion of the importance</p>	<ul style="list-style-type: none"> ● Class work and Homework given from NCERT and Assignment(uploaded in Google Classroom). ● Oral Questions ● Practice questions

	<p>Writing Skills- Article (1 class)</p> <p>ASL- Speaking skills (3 classes)</p> <p>Poem- A Photograph (Hornbill) (4 classes)</p> <p>We're Not Afraid... (Hornbill- 5 classes)</p> <p>Writing Skills- Debate Speech (2 classes)</p> <p>Prose- The Summer of the</p>	<p>Each student will be able to- write effectively. express their ideas coherently.</p> <p>Each student will be able to : freely express their views on given topics of discussion.</p> <p>Each student will be able to- comprehend the theme of the poem. understand child psychology. relate to the emotions expressed in the poem.</p> <p>Each student will be able to- identify parts of a ship. understand how essential it is to not give up. imbibe qualities such as perseverance, self reliance and team spirit.</p> <p>Each student will be able to- write effectively and intelligently. Make use of appropriate format, expression and vocabulary.</p> <p>Each student will be able to- understand the importance of</p>	<p>of relevant expression and vocabulary.</p> <p>Discussion of the topic.</p> <p>Identify the poetic devices used. Talk about the role of a mother in a child's life.</p> <p>Interesting anecdote sharing. Talk about the importance of staying optimistic.</p> <p>Revision of the format,. Discussion of the purpose and significance of writing speeches and debates.</p> <p>Discuss the importance of</p>	<p>HAM/JAM sessions</p> <ul style="list-style-type: none"> ● Class work and Homework given from NCERT and Assignment(uploaded in Google Classroom). ● Oral Questions ● Class work and Homework given from NCERT and Assignment(uploaded in Google Classroom). ● Oral Questions ● Practice questions ● Class work and Homework given from NCERT and
--	---	--	--	--

	<p>Beautiful White Horse (Snapshots- 5 classes)</p> <p>Reading Skills- Comprehension passage (1 class)</p>	<p>sticking to one's family values and the norms of the society. say no to wrong practices. accept situations and deal with them wisely.</p> <p>Each student will be able to : answer the questions asked in the worksheet.</p>	<p>presence of mind. Describe the appearance and qualities of the horse.</p> <p>Discussion of the importance of skimming and scanning.</p>	<p>Assignment(uploaded in Google Classroom).</p> <ul style="list-style-type: none"> ● Oral Questions ● Worksheet
<p>Psychology</p>	<p>Unit 1:</p> <ul style="list-style-type: none"> ● What is Psychology? ● Methods of enquiry in Psychology <p>(17 Periods)</p>	<p>Each student will be able to:</p> <ul style="list-style-type: none"> ● Prove that scientific knowledge of psychology runs against common sense notion ● Explain of evolution of Psychology ● Briefly describe the four phases of development of psychology in India ● Humanistic perspective took a more positive view of human nature.' Justify ● Give the importance of environmental psychology ● Give difference between a counselor and a clinical psychologist. ● Discuss the relationship 	<ul style="list-style-type: none"> ● Activity 1.1 from NCERT ● Draw a flowchart explain evolution ● Research how Cognitive psychologists often collaborate with neuroscientists and computer scientists ● List the branches of Psychology along with their area of focus 	<ul style="list-style-type: none"> ● Ungraded Worksheets ● Graded assignment on classroom ● Oral test

	<p>Unit 2:</p> <ul style="list-style-type: none"> ● Methods of Enquiry in Psychology <p>(6 classes)</p>	<p>between basic and applied Psychology</p> <p>Each student will be able to:</p> <ul style="list-style-type: none"> ● Differentiate between experimental and control group ● Give a situation where quasi experiment can be conducted ● Write a short note on correlational research ● Discuss the different methods of data collection in survey research 	<ul style="list-style-type: none"> ● Identifying independent and dependent variable from the given hypothesis ● Identifying the topic of interest and framing a hypothesis ● Research project 	<ul style="list-style-type: none"> ● Assignment ● Oral test
Geography	<p>Book - 1.</p> <p>GEOGRAPHY AS A DISCIPLINE -</p>	<p>Define geography?</p> <p>- Why should we study geography?</p> <p>- Identify the dimensions of geography</p> <ol style="list-style-type: none"> 1. geog is multidimensional 2. geog is study of areal differentiation. 3. geog explains the phenomena in the frame of cause and effect 4. geog phenomena are not static but highly dynamic. <p>-Examine the interaction between physical environment and human</p>	<p>https://www.youtube.com/watch?v=XSXq8CRKAtQ</p> <p>https://www.youtube.com/watch?v=JsNQbF5PjEk</p> <p>https://www.youtube.com/watch?v=t_a5OLScrI0</p> <p>https://ciet.nic.in/swayam_geography01_module01.php</p> <p>Web Links</p> <ul style="list-style-type: none"> ● https://en.wikipedia.org/wiki/Geography 	<p>Oral Questioning</p> <p>Worksheet</p>

	<p>CH - 3</p> <p>INTERIOR OF THE EARTH -</p>	<p>being.</p> <ul style="list-style-type: none"> - State 3 questions that geog as a discipline is concerned with. -Analyse geography as integrating discipline -Examine the relationship between physical geog and natural sciences - Geography and social science -Analyse and elaborate the two main approaches to study geography <ul style="list-style-type: none"> -Evaluate dualism as one of the main characteristics of geography -Appreciate physical geography -Examine the direct and indirect sources of information about the earth - define earthquake -Give reasons for the shaking of the earth which results in EQ - Why does EQ shake - Classify EQ waves and differentiate between the two -Examine the propagation of Eq waves 	<ul style="list-style-type: none"> • http://www.extramarks.com/cbse-class-11/geography-geography-as-a-discipline • http://www.newworldencyclopedia.org/entry/Social_sciences • https://en.wikipedia.org/wiki/Social_science <p>https://ciet.nic.in/swayam_geography01_module04.php</p> <p>Web Link</p> <ul style="list-style-type: none"> • https://www.youtube.com/watch?v=N9ncfAsmiSg • http://www.encyclopedia.com/doc/1G2-3437800183.html 	<p>Assessment sheet</p> <p>Summarize the learning</p> <p>Worksheet</p> <p>Assessment sheet</p> <p>Map skill</p>
--	--	--	--	---

	<p>CH - 4</p> <p>DISTRIBUTION OF OCEANS AND CONTINENTS</p>	<ul style="list-style-type: none"> - Examine the emergence of shadow zone Classify the types of e,q and highlight their main features - examine the sources of each type of e.q - differentiate between magnitude and intensity - list the immediate hazardous effects of e.q -Examine the structure of the earth -gain an understanding of volcanoes - define volcanoes -Identify key features of volcanic activity -classify volcanoes on the basis of nature of eruption -examine the formation of these forms on the surface -define intrusive volcanic landforms -examine their formation. -Provide new dimension for the study of distribution of ocean and continents - Define continental drift theory - Examine the evidences that support continental theory. - Support continental drift theory. 	<ul style="list-style-type: none"> ● https://en.wikipedia.org/wiki/Shadow zone (Retrieve on 05/07/2016) ● http://allshookup.org/quakes/wavetype.htm ● http://hyperphysics.phy-astr.gsu.edu/hbase/waves/seismic.html ● https://www.youtube.com/watch?v=UcaZfWaNR64&list=PL_MPyZVkgEW9aw5wkl4RaJvhqmMtmMJvI&index=5 ● https://pubs.usgs.gov/gip/dynamic/inside.html ● https://en.wikipedia.org/wiki/Structure_of 	<p>Participation in class</p> <p>Draw a diagram to show the structure of the earth</p> <p>Summarize the learning</p> <p>Underline key words</p> <p>Summarize the learning</p>
--	--	--	---	---

		<p>-analyse the forces suggested by the wegener for the movements of continents</p> <p>- Examine convectional current theory and mapping of ocean.</p> <p>-Describe sea floor spreading with the help of videos</p> <p>- Define plate tectonics</p> <p>- differentiate between conventional and plate tectonics</p> <p>- Classify three types of lithospheric plates</p> <p>-differentiate between Divergent ,convergent , and transform boundaries</p> <p>- locate major and minor plates of the world</p> <p>- Examine the forces that lead to plate tectonics</p> <p>- Determine the rate of plate tectonics</p> <p>- trace the movement of indian Plate.</p>	<p>_the_Earth (Retrieve on 20/11/2016)</p> <ul style="list-style-type: none"> • https://simple.wikipedia.org/wiki/Structure_of_the_Earth(Retrieve on 05/07/2016) <p>https://ciet.nic.in/swayam_geography01_module06.php</p> <p>Web Links</p> <ul style="list-style-type: none"> • https://www.youtube.com/watch?v=ryrXAGY1dmE&list=PL_MPyZVkgEW9aw5wkl4RaJvhqmMtmMJvl&index=10 • https://en.wikipedia.org/wiki/Continental_drift • https://www.geolsoc.org.uk/Plate-Tectonics/Chap1-Pioneers-of-Plate-Tectonics/Alfred-Wegener/Fossil-Evidence-from-the-Southern-Hemisphere. 	<p>Map skill</p> <p>Worksheet</p> <p>Assessment sheet</p> <p>Class work - map skill</p>
--	--	--	---	---

			<ul style="list-style-type: none"> • http://www.livescience.com/37529-continental-drift.html • https://www.youtube.com/watch?v=X9_Tlf2navc • https://www.youtube.com/watch?v=3HDb9ljynfo https://www.youtube.com/watch?v=DYXtMu-qYs0 https://www.youtube.com/watch?v=tL-phSc_8cs https://www.youtube.com/watch?v=mh5yu24DeQE 	
Home Science	Evolution of Home Science	Students will be able to- <ul style="list-style-type: none"> - Define the subject home sc - Map the history of its growth - Enumerate the relevance of the subject - Relate the subject to daily, real life applications 	Discussion on video links showed Debate on women being better home managers	Assignment

		<ul style="list-style-type: none"> - Enumerate the poor eating habits of adolescents - List the factors that influence eating habits of adolescents - Identify eating disorder during adolescence- anorexia and bulimia- their physiological and psychological consequences of the disease 		
Political Science	Constitution Why and How (7 classes) Philosophy of the Constitution (7 classes)	<p>Each student will be able to: Analyse at least three functions of the Constitution *Highlight the method of promulgation of the Constitution State from where the Constitution derives its authority *List at least four sources of the Constitution</p> <p>Reason out why a philosophical approach to the Constitution is necessary giving at least two points *Highlight at least two importance of the values of the Constitution +Discuss at least four features of the constitution +Analyse the procedural</p>	Video links for class discussion Word splash activity on meaning of constitution Think and share What if we did not have a constitution Research on framers of our constitution and share findings in class Quiz on sources Mind maps Listing of key phrases <u>Art Integration</u> Design a cover page for the Indian Constitution Research on debates on Indian Constitution and sharing in class Write a new Preamble for the Indian Constitution	Assignment questions Work sheets Oral quizzes Summarisation of key points Assignment questions Work sheets Oral quizzes

	<p>Rights in the Indian Constitution (3 classes)</p>	<p>achievements of the constitution +Highlight the criticisms of the Constitution</p> <p>+Define rights +.Distinguish between ordinary Rights and fundamental rights +.Discuss the various Rights in the Indian Constitution</p>	<p>Class Discussion Which Changes you wish to see in your constitution Three sentence summary</p> <p>Word splash activity on Rights Discussion on why rights are important General Knowledge activity on Kailash Satyarthi Debate on whether freedom can be curtailed in crisis situations like the pandemic Mind Map Question framing</p>	<p>Summarisation of key points</p> <p>Participation in class discussion</p> <p>Summarisation</p> <p>Recall questions</p>
<p>History</p>	<p>Theme 2: Writing and City Life <u>Classes:</u> 10 Concepts:</p> <ul style="list-style-type: none"> ■ Mesopotamian civilization: Sources of information ■ Key features and region under influence ■ Mesopotamia & its Geography ■ The Significance of Urbanism ■ Movement of Goods into Cities ■ The development, system & uses of writing ■ Urbanisation in Southern Mesopotamia: Temples & Kings ■ Importance of Ur & Mari (urban areas) 	<p>Each child will be able to:</p> <ol style="list-style-type: none"> 1) explain the geographical features of Mesopotamia; 2) evaluate the significance of urbanism in Mesopotamia; 3) name the key cities in Mesopotamia; 4) identify the various stages of urbanization in southern Mesopotamia and categorise cities into trading centres around temples cities as trading centres and imperial cities; 5) illustrate the features of the city life in Mesopotamia and compare it 	<p>Application activities:</p> <ul style="list-style-type: none"> • Concept Mapping • Deductive Inquiry <p>Practice activities:</p> <ul style="list-style-type: none"> • Collaborative Activity: Through Google slides • Map work <p>Art Integration: Making of Clay tablets using Cuneiform letters</p>	<p>Assessment Methods:</p> <ul style="list-style-type: none"> • Assignment Questions • Oral questioning • collectively summarizing the key learning • Assessment through Google Form

	<p>■ Legacy of Writing</p> <p>Theme 3:An Empire Across Three Continents Classes.:10 Concepts:</p> <ul style="list-style-type: none"> ■ The Early Empire ■ The Third Century Crisis ■ Gender, Literacy, Culture ■ Economic Expansion ■ Control & Management of Workers ■ Social Hierarchies ■ Late Antiquity 	<p>with that of an ancient city in Harappa ;</p> <p>6) explain the economic development in the city of Mari;</p> <p>7) evaluate the features of the system of writing in Mesopotamia;</p> <p>8) categorise the features of different ancient scripts</p> <p>9) analyse writing as a feature of Mesopotamian</p> <p>Each child will be able to:</p> <ol style="list-style-type: none"> 1) identify the extent of the Roman Empire; 2) compare the Roman and the Iranian empires; 3) explain the political history of the Roman Empire; 4) elaborate on the importance of the Third Century; 5) describe the social and cultural fabric of the Roman society; 6) share information on the Roman economy; 7) give details about the importance of slavery control on workers in the Roman economy; 8) highlight the features of Late Antiquity. 	<p>Application activities:</p> <ul style="list-style-type: none"> • Concept Mapping • Compare-Contrast Chart • Newspaper activity <p>Practice activities:</p> <ul style="list-style-type: none"> • Question framing • Map work 	<p>Assessment Methods:</p> <ul style="list-style-type: none"> • Assignment Questions • Oral assessment • Participation in class discussion • Worksheet via Google Form <p>Assessment Methods:</p> <ul style="list-style-type: none"> • Oral assessment (AMP based) • Contribution to class discussion
--	---	---	---	---

	<p>Theme 4:Central Islamic lands Classes.:10</p> <p>Concepts:</p> <ul style="list-style-type: none"> ■ The Rise of Islam in Arabia 	<p>Each child will be able to:</p> <p>1)explain the journey of Prophet Muhammad from being a trader to becoming a religion preacher and a political leader; 2)highlight the key factors that contributed to the rise in the popularity of Islam.</p>	<p>Application activities:</p> <ul style="list-style-type: none"> ▪ Interaction & Discussion with an Islamic follower ▪ Interviewing family members about the traditional religious practices 	
<p>Painting</p>	<p>Theory:</p> <p>History of Indian elements of Art-SADANGA (Six limbs of Indian Art)</p> <p>Elements and Principles of Art</p> <p>Prehistoric Indian Art-Bhimbetka</p> <p>Indus Valley Art</p> <p>Practical:</p> <ol style="list-style-type: none"> 1. Observational study works 2. Shading Skills 3. Study of Shapes and Forms 4. Basics of compositions 	<p>Will be able to understand the Importance of aesthetics in Art.</p> <p>Will be able to analyse the basic understanding of Indian Art Practice</p> <p>Will be able to comprehend and use the Elements and principles of art in Basic levels.</p> <p>Will be able to formulate ideas about the beginning of art , and understand the relation of art and life of human existence.</p> <p>Will be able to appreciate the inspirations and different purpose of art.</p> <p>Will be able to appreciate the prehistoric and protohistoric Indian art</p> <p>Will be able to understand and analyse the relation of art and Indus Civilization and technology and materials used.</p>	<p>Video lectures And discussions</p> <p>Mind maps</p> <p>Synthesis of theory and art making.</p> <p>Questions and answers</p> <p>Submissions of designs</p>	<p>Assessment through assignments, study materials, questions and google forms given through Google classroom and emails</p>

<p>Economics</p>	<p>MEASURES OF CENTRAL TENDENCY MEAN, MEDIAN AND MODE , IN SPECIAL CASES AS WELL (10 CLASSES)</p> <p>INTRODUCTION TO MICRO ECONOMICS CENTRAL PROBLEMS PRODUCTION POSSIBILITY CURVES OPPORTUNITY COST (8 classes)</p> <p>THEORY OF CONSUMER'S EQUILIBRIUM AND DEMAND. (8 classes)</p>	<p>Each student will be able to</p> <ul style="list-style-type: none"> ● Calculate the numericals on the different methods of calculating central tendency. ● Define each of the central tendencies. ● Calculate each of the central tendencies in special cases. <p>Each student will be able to</p> <ul style="list-style-type: none"> ● Define a PPC. ● State the problem of whom to produce with the help of a diagram. ● State two central problems ● Explain the implication of increasing MOC along the PPC. ● Give reason for the shape of the PPC <p>Each student will be able to</p> <ul style="list-style-type: none"> ● Establish the consumers equilibrium in a single commodity 	<p>Students will be asked to do an activity online using playing cards.</p> <p>To identify the steps involved in calculating the central tendency.</p> <p>To identify the different kinds of series</p> <p>Due to this pandemic if business from China shifts to India then- impact on the PPC. Game-to bring out the concept of scarcity. Real life examples to differentiate between positive and normative..</p> <p>A classroom activity to</p>	<p>Assignment</p> <p>Worksheet</p> <p>Google form</p> <p>Worksheets, Online Quiz/MCQs' HOTS questions</p> <p>Assignment</p> <p>Worksheet</p> <p>Google form</p>
-------------------------	---	--	--	---

		<ul style="list-style-type: none"> ● Establish the consumers equilibrium in a two commodity case. ● Establish the law of demand ● Determine the relationship between price and demand ● Establish the other factors affecting demand. ● Understand how indifference curve is a better way to establish consumers equilibrium. 	<p>establish the Law of Demand. Effect of</p> <ol style="list-style-type: none"> a. Fall/rise in the price of a substitute good b. Fall/rise in the price of a complement good. <p>Consumers equilibrium through real life examples Indifference curve with examples of daily life</p>	
--	--	---	--	--