TAGORE INTERNATIONAL SCHOOL
VASANT VIHAR, NEW DELHI
PARENTS SYLLABUS (2021-22)
CLASS XII B
APRIL-MAY

Subject	Topics Covered / No. of Periods	Learning outcome	Activities	Assessments
Mathematics	**<u>Inverse Trigonometric Functions</u>** **<u>(9 days)</u>** **<u>Bridge Course</u>** **<u>Bridge Course</u>** **<u>Continuity and differentiability</u>** **<u>(15 days)</u>**	Each child will be able to *state what the terms domain , range , codomain Mean for a function *identify and apply appropriate trigonometric identities to questions Each child will be able to *recall the concepts of relations and functions * find the domain and range of relations and functions * under what conditions any function has its inverse * when can any trigonometric function have its inverse * principal value and range of inverse trigonometric functions *find the principal value of inverse trigonometric functions *apply the properties of inverse trigonometric functions to questions	**Lab Activity: To draw $\sin^{-1}x$ curve using sin x about y=x** **Art Integration: Coconut carving** **On the exterior of a half shell of a coconut , make designs using inverse trigonometric functions graphs and create a decorative piece and a short note on this art form from Lakshadweep**	Class Work Home Work Google Slides-Assessment of domain and range and some values of inverse trigonometric functions Class Work Home Work Class test on differentiation Google Forms

	<u>Bridge Course</u> **<u>Applications of derivatives</u>** **<u>(12 days)</u>**	Each child will be able to *differentiate using product , quotient and chain rules Each child will be able to *recall the concept of existence of limit and process of differentiation using product ,quotient and chain rules *find the derivative of composite, inverse Trigonometric and implicit functions *make sense out of the concept of logarithmic differentiation * differentiate parametric function *find second order derivatives * define continuity and differentiability of a function *prove continuity and differentiability of a function *find points of discontinuity Each child will be able to *solve trigonometric equations Each child will be able to * recall the relation of derivative at a point with the slope of tangent *find the equations of tangent and normal at a given point on a curve *identify a given function to be increasing or decreasing *find the intervals in which a given function is increasing /decreasing	**Lab Activity: To explain increasing and decreasing functions**	

English	**<u>WRITING SKILLS</u>: APRIL (BRIDGE COURSE FOR REVISION):** Report Writing Letter to Editor Job Application MAY: Notice Writing Classified Advertisements Article Writing <u>LITERATURE</u>: APRIL- <u>FLAMINGO-</u> The Last Lesson My Mother at Sixty Six	Write coherent and meaningful paragraphs through the process of drafting, revising, editing and finalizing.Organize and structure thoughts and ideas in accordance with the audience and purpose. Write grammatically accurate language . Develop a skill to write content with appropriate beginning, middle and end. Communicate ideas, points in proper writing style, tone and manner. Ask questions that are relevant and meaningful. Read literary text with clarity and enjoyment , interpret and appreciate characters. Recite the poem with appropriate expression and intonation.	Read out relevant reports published in the newspapers as a class activity. <u>Experiential Learning</u>: Class discussion on newspaper columns and editorial cut outs . <u>Art Integration</u>: Design and make notices for formal display on the notice board . Draft advertisements to be published in the newspaper. Buzz sessions and brainstorming on topics of article writing. <u>Experiential Learning</u>: Students will be asked to gather information about the elderly people in their family(extended), with whom they have been intimately connected and understand the challenges, fears, insecurities faced by them as a result of old age.	Assignments for practice. (CBSE Questions) Worksheets Google Classroom Practice Assignments

	The Rattrap MAY: <u>VISTAS-</u> Should Wizard Hit Mommy? On The Face of It.	Analyze themes, plots and incidents and give opinions. Understand the explanation, identify and appreciate significant literary devices. Engage in conversation and class-discussion on topics and sub-topics. Compare and contrast the issues raised to everyday life experiences, think critically about the issues highlighted.	Presentation by students on information regarding why people turn into criminals, unrighteous humans, vagabonds. Pair and share. Question Bank prepared by students . Peer review. Class discussion.	Worksheets Google Classroom Quiz sessions
Home Science	**APRIL** **<u>BRIDGE COURSE</u>** **NUTRIENTS AND THEIR FUNCTIONS** • Carbohydrates, protein, fats, vitamins and minerals- their functions, food sources, deficiency diseases **APRIL-MAY** **<u>PUBLIC NUTRITION AND HEALTH</u>** •What is Public Health Nutrition?	Student will be able to- • Classify nutrients. • Enumerate key function of each nutrient in the body • List the common food sources of each nutrient. • Enumerate the diseases caused due to poor intake of the nutrients. Students will be able to: • List the significance of public nutrition • Differentiate between macro and	REPORT: Despite India being an agricultural nation and a tropical country, we still fares poorly on the world Hunger Index. India is home to a vast population of undernourished children suffering from the problem of micronutrient deficiencies. Elaborate on the possible causes of the problem. **Art integration Activity**: Develop a community outreach program (using any one art form- music, dance, drama, painting or technology- presentation etc.) to deliver a message on a public health issue.	Peardeck revision question- for classroom assessment Google forms

	•Macro- and micro nutrients- their functions and sources •Nutrition problems in India and its associated deficiency disorders •Strategies/ interventions to tackle Nutritional Problems •Different Interventions for Tackling Malnutrition •Role of Public Nutritionist **CLINICAL NUTRITION AND DIETETICS** ● Significance ● Basic concepts ● Diet therapy ● Types of diets and feeding routes ● Preparing for a career and scope **CONSUMER EDUCATION AND PROTECTION**	micro-nutrients. ● Differentiate between kwashiorkor and marasmus ● Outline the problems of public health ● Analyse the factors that are linked to nutritional problems ● Describe strategies that can be used to tackle nutritional problems ● List the programmes in the country dealing with important nutrition problems Students will be able to: 1) Outline the objectives of diet therapy. 2) Describe the significance and scope of clinical nutrition and dietetics. 3) Enumerate and explain the different types of diet modifications. 4) Analyse the knowledge and skills required for a career in clinical nutrition and dietetics. Students will be able to- 1) List the importance and role of Consumer Education and Protection 2) Enumerate the common consumer	**Experiential learning**: Develop and prepare a supplementary food suitable to be given and distributed via a nutrition program. **Experiential activity**: Modify a family's meal to make it suitable for an elderly person. **Art Integration activity:** Develop leaflet/pamphlet for Consumer Education and Protection **Experiential learning activity**: Collect labels/packages of any five commodities of daily use (like spices, biscuits, bulbs, sugar, sauce, jam, etc.) and see which standardisation marks are found on them. Evaluate the label in terms of information provided	Assessment via handwritten assignment Google form for MCQs Jamboard Classroom discussion Classroom discussion Google form Handwritten assignment Class test (on 2 topics- PHN and clinical nutrition)

	● Significance ● Basic concepts ● Consumer rights ● Standardised marks ● Consumer responsibilities Scope	problems 3) Explain the basic concepts related to Consumer Education and Protection 4) Analyse the knowledge and skills needed for a career in this field Enumerate possible scope and career options under the field of consumer education.		Classroom assessment via Peardeck Google form Handwritten assignments
POL SC	BRIDGE CLASSES (2) American Hegemony Unipolar World Operation desert storm Operation Iraqi Freedom (2 Classes)	Every student will be able to 1 Define one feature of the Unipolar World 2. Highlight the most important cause of Operation Desert Storm 3. Analyse at least two impact of the Operation 3. Explain at least four reasons why USA invaded Iraq 4. Explain at least two consequences of the American invasion	Learning Activities 1.Word Splash Students will think of words they can associate with hegemony 2.Small group discussion 3. Think pair and share activity ASSESSMENT ACTIVITIES Muddiest point Assessment Activities Blooms Taxonomy questions Concept Map Reaction Sheets Cartoon	Class Test Cold War End of Bipolarity Quiz Minute Paper RSQ2

	New Centres of Power European Union ASEAN BRICS SAARC Rise of China Rise of India Rise of Russia Rise of Israel (7 classes)	1.Trace the history of Eu on the basis of a timeline 2. Highlight at least three areas of influence of EU 4.Analyse at least three areas of influence of ASEAN 3.Discuss the three ASEAN Committees 4.Highlight at least three reasons behind the economic rise of China 5. Analyse the significant causes behind the rise of India, Russia, Israel 6. Assess the role of SAARC in the economic sphere 7. Analyse the importance of BRICS in at	interpretation ART INTEGRATION Draw a cartoon depicting US hegemony. REMEMBERING Define unipolarity `Analyse the real and actual reasons behind US invasion of Iraq Students will watch the relevant videos on edpuzzle and engage in a small group discussion Think pair and share Small Group interaction KWL sheet FishBowl discussion Activity based on photographs Assessment Activities Solving Blooms Taxonomy questions ASSESSMENT ACTIVITIES	Worksheet (Objective Questions) Background Knowledge Probe Focused Listening Analytic Memos

		least three areas.	Oral Questioning Peer Evaluation Experiential Learning Learning Students will interview students who have visited China. QUESTIONS HOTS Analyse the strengths and weaknesses of EU EVALUATION The Bangkok Declaration is a landmark in the history of South east Asian cooperation Judge the relevance of this statement. ART INTEGRATION Create a new flag for EU REMEMBERING Highlight the importance of the Maastricht treaty	

	South Asia and the Contemporary World (7 classes) Conflicts and efforts for Peace and Democratization in South Asia: Pakistan, Nepal, Bangladesh, Sri Lanka, Maldives	1. Explain at least two ways in which the military has played an imp role in Pakistan 2. Discuss the democratic movement in Bangladesh after the rise of Mujib 3. Explain Democratic movement in Nepal led by SPA 4. Analyse two important reasons behind the civil war in Sri Lanka	UNDERSTANDING Explain the reasons that led to the rise of the Chinese economy (YouTube video on Sri Lanka) Online Tools Quizzizz Wakelet Jamboard APPLICATION Give examples to show that democracy has captured the people's imagination in South Asia. ANALYSIS Analyse the reasons for failure of democracy in pakistan EVALUATION Assess India's role in the ethnic crisis of Sri Lanka HOTS Imagine you are going to Pakistan as	Maps Directed Paraphrasing Student-Generated Test Questions Worksheet (Mixed)

MAY **(18 working days)**	International Organisation (8 classes) Principal Organs, Key Agencies: UNESCO, UNICEF, WHO, ILO, Security Council and the Need for its Expansion Globalization: Meaning, Manifestations and Debates. (8 classes)	1. Discuss at least three functions of the UNO 2. analyse at three reasons for the need for reforms 3. Suggest at least two reforms. 4. Analyse the role of UNO in post-cold war world order in at least three areas 5. Highlight the role of UNESCO, UNICEF, WHO, ILO Every student will be able to Define Globalisation 2. Analyse at least three causes of globalisation 3.Debate on the role of state in the era of globalisation after studying the political impact of 4. Assess two sides of the cultural impact of globalisation 5.State the nature of resistance to Globalisation	ambassador write a short speech you are going to make there. UNDERSTANDING Explain The movement for Democracy in Nepal Quizz Nearpod presentation Learning Activities Think Pair and Share Small Group discussion Assessment Question Bank formulation The Above activities will be based on the Blooms Taxonomy questions Mind Maps Experiential Learning Simulation of GA QUESTIONS APPLICATION	Journal ABC summary Worksheet (Objective) Quiz Word Journal ABC summary Peer review

	Challenges of Nation Building (2 classes) Legacy of Partition: Challenge of Refugee, Resettlement	Every student will be able to: 1. Analyse the reasons behind Partition 2.Discuss the consequences of partition 3. Identify the problems associated with partition	Talking shop. From the passage frame two questions HOTS :Can UN prevent US hegemony or can it serve as a balance to US hegemony? EVALUATION "An International organisation is not a super state with authority over its members". Justify. Classroom activity The students will give key phrases this will be followed by question bank formulation Students will watch film and draw inferences Word Splash They will think of words they can associate with globalization They will be given case studies to assess the impact of globalisation Experiential	

			They will interview each other on brands used by them Assessment activities Muddiest point Oral Questioning Questions : APPLICATION Protectionism vs liberalization. Which one would you support and why? HOTS Analyse the reasons why certain sections resist globalization? Give your views on the statement globalization leads to “cultural homogenization” Art Integration (Group presentation on Global Indian Artist)s/ Craft) Think. And Share On what were the various problems facing the nation Buzz Group Activity consequences of partition	Directed Paraphrasing Background Knowledge Probe Empty Outlines

			Assessment technique Socratic seminar Muddiest point Individual	
History	**Mahatma Gandhi & the Nationalist movement -** Revision(5 cl) **Bricks, Beads and Bones (10 cl)**	Each student will be able to: ● List down Gandhian principles ● Trace the journey of Mahatma from being a local leader to becoming a national leader ● List down the key features of the Non-cooperation movement ● State the significance of Lahore session. ● Analyse the importance of salt satyagraha ● Discuss the sources through which Dandi march could be tracked ● Justify that salt march was significant ● Analyse the outcomes of the round table conferences ● Discuss the sources through which we can learn about Gandhi and the Nationalist movement ● State and deduce the multi-lateral aspects of Harappan civilization in order to understand the first civilization of the world. ● Develop an ability to use and analyze socioeconomic, political aspects of	Preparation of Google slides on the various topics. ● Write a short essay on Harappan ● Culture based on the information from the video. ● Make a concept map to be on each concept using Popplet. ● Prepare a travel brochure inviting	Google doc Google form & doc. Google form and doc

	Political and Economic History: CI (**10)** How Inscriptions tell a story. Broad overview: Political and economic History from the Mauryan to the Gupta period Story of discovery: Inscriptions and the Decipherment of the script. Shifts in the Understanding of political and economic history. Excerpt: Ashokan inscription and Gupta period land grant Discussion: Interpretation of inscriptions by historians**.**	Harappa Investigate and interpret multiple historical and contemporary sources and viewpoints of ASI and historians on Harappa. Explain major trends in the 6th century BCE in order to understand the political and economic history of the subcontinent. • Analyze inscriptional evidence and the ways in which these have shaped the understanding of political and economic processes. Analyze social norms in order to understand the perspectives of society given in the scriptures of ancient India. Examine the varied dimensions explored by historians in order to understand	people to visit the Harappan sites in India ● Prepare two slides each mentioning the highlights of town planning. ● (Using google slides) ● Prepare a concept map. Google slides (collaborative activity)	Google form & doc Class Test

	Social Histories: Using the Mahabharata -10 cl Broad overview: Issues in social history, including ca ste, class, kinship and gender Story of discovery: Transmission and publications of the Mahabharata Excerpt: from the Mahabharata, illustrating how it has been used by historians. Discussion: Other sources for reconstructing social history.	dynamic approach of Mahabharata	Graphic Novel- Diksha	
Economics	**APRIL** Liberalisation Globalisation Privatisation Reasons for adoption of the New Economic Policy Privatisation-Need of the Hour? **APRIL/MAY** National Income and Related aggregates.	**Each student will be able to**: Understand the background of the reform policies. -the mechanism through which reform policies were introduced Discuss the causes for the adoption of the New Economic policy. Understand different methods for the measurement of national income Define income method Know expenditure method	Observe around you— you will find State Electricity Boards (SEBs),BSES and many public and private organizations supplying electricity in a city and states. Compare the differences . There are private buses on roa Why has private transport increased? Make a list of government agencies that have been privatized recently. Analyse the reasons for the same. An ambassador in the US embassy in India stays in his job for a period	Class tests Peardeck revision question- for classroom assessment Google forms Jam boards Worksheets Class tests

	a.Basic concepts b. Circular flow of Income c.derive the formulae D.basic concepts Methods of calculating national income Deriving the formulae Aggregates related to national income Real and Nominal GDP	Classify factor income Analyze the circular flow of income Discover the flow of income in various sectors Understand different sectors. Calculate numerical Compare between real and nominal income Justify the importance of real GDP	exceeding one year.Would he be treated as a resident or a non-resident of India? Why is income earned by foreigners working in a branch of a foreign bank in India a part of the domestic factor income? In what sense can defense and security provided by the government be treated as intermediate service? Poetry Increase in per capita income means increase in per capita availability of goods and services. Does it necessarily mean a rise in the welfare of the people in the country? Give two arguments in support of your answer and explain the same	Peardeck revision question- for classroom assessment Google forms Jam boards Worksheets
Psychology	**<u>APRIL (17 periods):</u>** 1. **<u>Week 1-Bridge Course-</u>** Grade XI- Revision of concepts from Lessons 1-9: Core theoretical concepts revised **5 periods**	Students will be able to : ○ Understand and revise core theoretical concepts from chapters 1-9 of NCERT ○ Apply concepts learned to real life situations	● Quizzes ● Assignment ● Group Discussions ● Abstract Art representation	● MCQ's ● Assignments ● Video/audio clip submission ● Classwork ● Presentation

	2. **<u>Week 2- Self and Personality-</u>** Grade XII- Chapter 2- Identifying personality and its core approaches, evaluating measurement of personality and theoretical frameworks **6 periods**	Students will be able to: ○ Define and conceptualize personality ○ Identify theoretical approaches of personality ○ Critically evaluate personality theories ○ Understand and evaluate ways to measure personality	● Abstract art representation ● Assignments ● Class quizzes and case discussions ● Group Discussions	
	3. **<u>Week 3- Psychological Disorders</u>** Grade XII- Chapter 4 Understanding abnormality and its historical evolution, conceptualizing classification and factors underlying abnormality, understanding range of psychological	Students will be able to: ○ Understand and define abnormality ○ Classify abnormality and underlying factors ○ Identify the range of disorders with symptoms ○ Form a thorough understanding of the range of core disorders such as anxiety, depression, neurological disorders	● Group discussions ● Presentations ● Videos ● Case studies	● Sample files ● Soft copy material ● Handwritten files to be created

	disorders and their representation across individuals **6 periods** 1. **<u>Week 4- Psychological Disorders</u>** Continuation **<u>MAY (18 periods):</u>** **<u>1.Week 1- Developing Psychological Skills</u>** Grade XII- Chapter 9 Understanding psychological skills, general, observational and specific skills. Discussing components of communication, counseling and interviewing skills and ethics to be followed. **- 6 periods** **<u>2. Week 2- Practicals</u>** Preparation for practical files and case study	Students will be able to: ○ Understand core psychological skills and categories ○ Identify and apply the range of skills required to be an effective psychologist ○ Practice and evaluate tools and techniques of psychological evaluation Students will be able to: ● Understand the CBSE requirements of the case study project and psychological tests ● Organize written material as per normative guidelines for file making Students will be able to: ○ Understand the human environment relationship ○ Understand environmental impact on behavior and health ○ Identify and elaborate on concepts of promoting environmental behavior and		based on guidelines ● Classwork ● Assignments

	project as per CBSE guidelines for evaluation **-3 periods** **<u>3.Week 3- Psychology and Life</u>** Grade XII- Chapter 8 Understanding the human environment relationship and ecology, environmental effects on health and behavior, promoting pro-environmental behavior and understanding social concerns of poverty and discrimination **-6 periods**	eliminating social concerns arising out of environmental factors Students will be able to: ● Understand the CBSE requirements of the case study project and psychological tests ● Organize written material as per normative guidelines for file making	● Group discussions ● Role play ● Case studies ● Audio clips and podcasts ● Situation based quizzes and MCQs ● Structure test material and file content ● Create and discuss content for practical files ● Group discussion ● Presentation ● Art work ● Videos	● Sample files ● Soft copy material ● Handwritten files to be created based on guidelines
Fine Arts	**April -** Poster Making Watercolour techniques Figure Study Foliage Study Pencil shades Theory ,	They will develop the techniques of Poster colour including handling of the brushes. Students will learn the differentiation of the Watercolor techniques as well as composition sense. Figurative study helps to understand the proportion of the figure, drawing and anatomy knowledge of the body.	• Practical with poster colour create the poster . • Watercolor techniques with composition • Portrait /figurative study with pencil strokes. • Theory presentation, group discussion .	• Assignment and upload work • Assignment and upload work. • CBSE sample questions for practice and self understanding.

	May Object study Composition Nature study with watercolour techniques Theory	Students will develop the observation and variation within nature and texture also develop the pencil shades. Rajasthani , Pahari Schools and sub schools they will read . In object study students will develop observation and differentiate the tones and reflection. Develop the viewpoint and sense of the composition. Detail observation and developing the texture. Watercolour techniques with composition development . Mughal And Decan theory with sub Schools.	Still life study Indoor composition with perspective knowledge Colouring techniques , texture and character identify Theory presentation, group discussion .	• Assignment and upload work • CBSE sample question for practice and self understanding.
Geography	BRIDGE COURSE WATER RESOURCE PLANNING AND SUSTAINABLE DEVELOPMENT IN INDIAN CONTEXT GEOGRAPHICAL PERSPECTIVE ON SELECTED ISSUES	REVISION		CLASSROOM - ASSIGNMENTS

	AND PROBLEMS B-1- Ch-1 Nature and scope of Human Geography. Definition, -phy and human components - dualism -Approaches, -Definitions by Ratzel ,EllenC. Semple,Paul vidal De La blache -Nature of Human geography -Naturalisation of Humans and Humanisation of Nature and scope of Human Geography.	Each student will be able to: • Familiarize themselves with new key terms, concepts and basic principles of human geography and recent Changes. • Define Human geography. • Analyse the nature of Human geography by different geographers -Examine the nature of human geography Debate on naturalization of humans and humanization of nature . Highlight the three new schools of thought Value the concept of miiddle path suggested by Griffith taylor	Use of presentations on the various topics. https://www.youtube.com/watch?v=QKdK31a9XyI https://www.youtube.com/watch?v=PUwmA3Q0_OE https://www.youtube.com/watch?v=P-b9_NrmIJ0	Google forms Google classroom - assignments CBSC sample question for practice

	- middle path -Human geography through corridors of time -Three schools of thought and Fields and sub– fields of human geography Ch-2 - The world population –trends and pattern and population growth -Density of Population Population distribution factors -Population Growth -Components of population change -Trends in population growth -Doubling time of world population	Examine human geography through corridors of time Highlight 3 school of thoughts – behavioural,welfare , radical. Make correct pairs fields and sub fields in human geography Identify pop. pattern by observing the bar diagram. And justify population growth - Why do people prefer to live in certain regions and not in others Define density of population=calculate by using a formula. Reason factors responsible for dist and density Define the term population growth List three components of population change Examine the trends of population growth.	pop problemS https://www.youtube.com/watch?v=hkdCklBc0gE	Jam boards Worksheets Google Classroom Practice Assignments MAP SKILLS DRAWING SKILL

	-Spatial pattern of population change -Demographic Transition -Population control measures Ch-3 Population Composition -Definition -Sex Composition -Age structure -Age and sex pyramid -Rural urban composition -Literacy -Occupational structure	Examine the doubling time of population. Discuss spatial pattern of population change and outline impact Highlight the components of demographic transition. and justify its use in population studies. Highlight the importance of pop. Control measures with reference to malthus Define population composition Define sex composition Able to examine / illustrate Age structure, sex composition, revealed by age and sex pyramid. define sex composition follow the formula used in world and India discover natural advantage vs social advantage evaluate the importance of sex ratio with regard to status of women Discuss rural urban composition.	https://www.youtube.com/watch?v=HQIpdtUXeiU demographic theory https://www.youtube.com/watch?v=PE6soutQNLc pyramid in future https://www.youtube.com/watch?v=Cx7KFyasW6A pop pyramid https://www.youtube.com/watch?v=OHKUNWqjYZc	Worksheets Google Classroom MAP SKILL

	CHAPTER -4 HUMAN DEVELOPMENT -Growth and development -The four pillars of Human development -Approaches to Human –Development -Measuring human development Human poverty index -International comparisons	Examine the literacy level. Identify the occupational structure Define human development Differentiate between Growth and develop Define meaningful life Describe four pillars of Human development Identify approaches Compare HDI with HPI Explain three indicators used in computing Index for Measuring human development Define GNH Compare the countries classified into 3 groups on the basis of HD scores. Compare the human devt and give reasons	literacY https://www.youtube.com/watch?v=wQu46oLh0s8 h.d report – undp https://www.youtube.com/watch?v=2Hm5xGyciq4 Locate top ten countries (HDI rank) on the political map of the world. Enactment - H.D growth and development https://www.youtube.com/watch?v=h_JOrhqwNOg comparing hdi	