TAGORE INTERNATIONAL SCHOOL
VASANT VIHAR, NEW DELHI
SYLLABUS (2022-23)
CLASS XII A
April 2022 - March 2023

April				
Subject	**Topics to be Covered / No. of Periods**	**Learning outcome**	**Activities**	**Assessments**
Mathematics (March-april)	● **Continuity and Differentiability** ❖ Bridge course on differentiation(Chain rule , Exponential and logarithmic functions and their differentiation) ❖ Derivatives of implicit functions ❖ Derivatives of inverse trigonometric functions ❖ Logarithmic differentiation ❖ Derivatives in parametric form ❖ Higher Order Derivatives ❖ Limits(Bridge course) ❖ Continuity ❖ Differentiability	**Each student will be able to:** ● recall the chain, quotient and product rule. ● list the properties of logarithms. ● analyze the graphs of Exponential and Log functions. ● solve questions on derivatives involving Exponential and Log functions. ● find the derivative of implicit function and inverse trigonometric functions. ● use inverse trigonometric functions to find derivatives. ● apply the concept of logarithms to find derivative of functions of the form y = $u(x)^{v(x)}$. ● find derivatives of functions in parametric form.	● Math Lab Activity: To sketch the graphs of a^x and $log_a x$, a > 0, a ≠ 1 and to examine that they are mirror images of each other. ● LA: ❖ Read the text from NCERT related to derivatives in parametric form, second order derivative and continuous functions. ❖ Videos related to derivatives and continuous functions.	Short test NCERT Questions(Class work/Homework) Google forms Assignment Case study

	• **Application of Derivatives** ❖ Bridge course on trigonometric equations and straight lines. ❖ Increasing and Decreasing Functions ❖ Rate of Change	• find higher order derivatives. • recall the concept of limits. • define continuity of a function. • find points of discontinuity. • describe continuous functions graphically. • define differentiability of a function at a point. • examine if a function is differentiable at a given point or not. **Each student will be able to:** • explain the concept of critical points. • determine critical points of a function both algebraically and graphically. • identify the function to be increasing and/or decreasing. • find the intervals in which the function is increasing or decreasing. • determine from the graph of a function, the intervals where it is increasing or decreasing. • Relate the derivatives concept to rate of change. • find the rate of change of a given quantity.	• LA: ❖ Watch the video on increasing and decreasing functions and Maxima/ minima.. ❖ Read the solved examples from NCERT related to rate of change. ❖ Read the text related to maxima and minima from the NCERT. • Experiential Learning: Analyze the inflation graph for intervals where the function is increasing and decreasing. • Art integration Identify Increasing and decreasing functions from Madhubani paintings.	
English	Prose	Each student will be able to comprehend the text and answer questions(Short,long and value based)	Flipped Learning https://www.youtube.com/watch?v=ZQ-wxr-2K98	Worksheet

	• Lost Spring Poetry • An Elementary school classroom in a slum Prose • The Third Level	• Justify the title • Interpret the metaphorical statements • Comment on the paradoxes found in our society • develop sensitivity towards the problems of child labour. DELETED Each student will be able to • comment on the human tendency to constantly move between the past, the present and the future and comment on the intersection of time and space in the story. • analyze how an author's choices concerning how to structure a text, order events within it (e.g.parallel plots), and manipulate time (e.g., pacing, flashbacks) • justify the statement in the context of the chapter support philately as a hobby that helps keep the past alive and highlight other ways in which the past can be kept alive. • appreciate what it might be like to discover a way to time travel	(Bangle makers of Firozabad) https://youtu.be/K9l0K8Of7aU (Reality of Ragpickers) Art Integration Create a poster on 'The Evils of Child Labour' DELETED https://youtu.be/l7Uv2loGGVk (Documentary on time travel) Class Discussion: • Brainstorm and record five insecurities that grip man in the modern world.	Analytical Questions NCERT Questions Google forms Periodic test

	Writing Skill Article	● contrast life in the United States in 1894 with life today ● Format,content and expression	https://youtu.be/r-q5V6LDxEY (Reference for article writing) Urban Waste Management : It's time to think different	
Business Studies	● Nature and significance of management ● Principles of Management ● Management and Business Environment	**Each student will be able to:** ● State the concept, objectives and importance of management. ● Appreciate the nature of management as a science, an art and profession. ● State the levels of management and discuss its functions. ● Explain the various management functions. **Each Student will be able to:** ● State the meaning, nature and principles of management. ● Explain Fayol's principle of management. ● Elaborate the principles of scientific management. ● Apply the techniques of scientific management.	Participation in group discussion. <u>Art Integration</u> Role plays as CFO, MD and BOD with teams and show importance of management and functions of each department. <u>Experiential Learning</u> Design a brochure of a company w.r.t. Objectives of management. Art Integration Slogan/jingle making Students to visit giant retail outlets like any fast food chains / showroom to see how principles and techniques of management are being followed for CBSE Project.	Class Test Worksheet Assignment Case studies MCQs Google forms Quizziz Nearpod Brochures

		● Compare research work of Taylor and Fayol **Each Student will be able to:** ● Explain the meaning of Business environment. ● Discuss the importance of business environment. ● Describe the various elements of business environment. ● Examine the economic environment in India and the impact of Government policies on business and industry with special reference to liberalization, privatization and globalization.	Visit the Library to find out the kind of principles implemented there. CBSE project – students will select and visit an outlet and observe whether principles of management are followed or not followed. Collect articles related to the business environment from the newspaper for discussion. Discussion with real life examples on impact of business environment on business and industry Students have to take any dimension of the environment and visit society to collect information for analysis .	
Accountancy	1.Accounting for partnership firm – fundamentals.	**Each student will be able to:** ● do the accounting treatment for interest on partners' loans as different from interest on partners' capital. ● do numerical based on: - adjustment through P&L adjustment A/c. ● calculate interest on capital when closing balance of capital is given. ● do problems based on the manager turned partner.	Practical assignment on Interest on drawings, Accounting treatment of salary/commission of partners, accounting treatment of partner's loan Practical assignment on accounting treatment of interest on partner's capital account, profit & loss appropriation account, past adjustments. Students will discuss with their family members about partnership business and will gather	Worksheet Class Test Quiz Liveworksheets-Thing link

	2. Accounting for partnership firm: Goodwill: nature and Valuation 3.Accounting for partnership firm: change in profit sharing ratio among the existing partners.	● prepare P&L appropriation account when a partner is giving guarantee of minimum profit to the firm. ● prepare P&L appropriation account when a Firm is giving guarantee of minimum profit to the partner **Each student will be able to:** ● explain the meaning, characteristics, nature and need for valuation of goodwill, ● factors affecting the value of goodwill. ● explain the practical concepts of goodwill.explain the different methods of valuation of goodwill find out the difference between different methods of valuation of goodwill. ● Calculate new profit-sharing ratio, sacrificing ratio and gaining ratio of the partners. ● Calculate and journalize the effect of change in profit sharing ratio on the goodwill of the firm. ● Make revaluation account and balance sheet.	information about type of partners Group discussion on concept and features of Goodwill. Practical assignment on various methods of valuation of goodwill. Students will be asked to watch news channels of read newspaper and bring real life example for goodwill. Discussion on new profit ratio and old ratio Discussion on requirement of sacrificing ratio	Google forms Assignments Padlet Google classroom

Economics **March /April**	Government Budget and the Economy- Meaning Objectives Structure Public revenue & Public expenditure Types of deficit Meaning Objectives Structure Public revenue & Public expenditure FIVE YEAR PLANS a. Common Goals of Five Year Plans Meaning of Five Year Plans b. Objectives of Planning. c. Analyzing the importance of Planning in development. d. Features of Economic Policy under Planning till 1991. e. Achievement of the Goals of planning f. Failures of Planning New Economic Policy 1991 Liberalization Globalization Privatization Reasons for adoption of the New Economic Policy	Each student will be able to: Identify the spending categories and major revenue sources in the Union budget State the various objectives of the Budget. Define fiscal policy, identifying the roles of tax rates and government spending Differentiate between the three types of budget. The importance of planning in life-Individual as well as an economy To comprehend the meaning of planning by think pair and share method. Identify the goals of five year plan Analyze the importance of planning in development and the achievements as well as the failures of planning. Identify and discuss the causes for the adoption of the New Economic policy. 1. Critically understand the background of the reform policies.	1. Prepare a budget of your own assuming ` 1000 pocket money. 2. Newspaper articles- note the impacts on – a) farmers b) GST collection c) Introduction of RBI Bitcoins d) Health Designing the budget as presented in the Parliament using Worli art. Find the first chairman of the planning commission and when it was established. Why was there a need to concentrate efforts into agriculture in the first plan? Art integration Experiential learning Group discussions Debates 1. watch the video and understand the need for reforms: https://www.youtube.com/watch?v=IzWOsS3D0I4 2. watch the video and analyze the changes adopted during reforms. https://www.youtube.com/watch?v=OqcyjiZoXiY Interview of Dr. Manmohan Singh	Class tests Worksheets Google forms Peardeck Nearpod Kahoot quiz Worksheets Google forms Peardeck Class tests Worksheets Google forms Peardeck Nearpod Kahoot quiz

		2. Critically point out the mechanism through which reform policies were introduced. 3. Discuss the causes for the adoption of the New Economic policy. 4. Comprehend the process of globalization and its implications for India. 5. Be aware of the impact of the reform process in various sectors. 6. Identify and discuss the causes for the adoption of the New Economic policy.	4. watch the video and understand the concept of liberalization https://www.youtube.com/watch?v=JWGV4OWnKlw On Liberalization Mind map: 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 roads alongside the government bus services? Why has private transport increased? Case study-Air India or BPCL Art Integration	
May				
Subject	**Topics Covered / No. of Periods**	**Learning outcome**	**Activities**	**Assessments**
Mathematics	• **Application of Derivatives** ❖ Maxima and Minima	**Each student will be able to:** • identify the points of local maxima and local minima graphically and algebraically. • state the first and second derivative test to find points of local maxima and minima.	• Math Lab Activities ❖ To understand the concepts of local maxima, local minima and point of inflection. ❖ To construct an open box of maximum volume from a given rectangular sheet by cutting equal squares from each corner.	Short test NCERT Questions(Class work/Homework) Google forms

	● **Integrals** ❖ Introduction ❖ Integration by substitution ❖ Integration by Trigonometric Substitution ❖ Special integrals ❖ Integration by parts	● apply the first and second derivative test to examine local maxima and local minima. ● differentiate between absolute and local maxima/minima. ● use derivatives to find points of absolute maxima and minima. ● apply the concept of max/min to solve word problems. **Each student will be able to:** ● define the concept of antiderivative. ● learn the integral of basic functions by method of inspection. ● integrate by substitution. ● apply the method of substitution to solve problems of integration. ● state special integral formulae. ● apply special integral formulas to find the integral. ● state the formula for Integration by parts. ● integrate using the method of Integration by parts.	● LA: ❖ Read solved examples from NCERT book. ❖ Videos on Maxima, Minima and Integrals. ❖ Handouts on Maxima/Minima and integrals. ● LA: Make a comparison between differentiation and integration using Canva ● Quiz on formulae related to integration	Assignment Case study Periodic Test-1

English	Prose ● Deep Water	Each student will be able to ● Describe the plot and Theme of the lesson ● Sequence events that took place in the lesson ● Write answers long-short-reference to context ● analyze how clinging to past fears can spoil one's present	Flipped learning https://youtu.be/xrWvPo-KaVs (TED Talk on how to overcome fear by Trevor Ragan) A class discussion on 'Overcoming fear is necessary for growth' Independent Learning https://www.mind.org.uk/media/7065/phobias-2021.pdf (Understanding Phobias) https://www.funtrivia.com/trivia-quiz/SciTech/Everyones-Afraid-Of-Something-148707.html (Fun Trivia Quiz)	Worksheet NCERT questions Quiz Google forms Written assignments
	● The Tiger King	Each student will be able to ● Infer the pun in the title ● Attempt critical analysis of the theme ● Appreciate the satire on the corrupting influence of power ● Comment on the dramatic irony in the plot(Kinds of Irony) ● Identify subtle tones of humor	https://youtu.be/33TmXRtG_dQ (Plight of depleting tiger population) https://youtu.be/RZaSYUxwRYM (History of hunting for pleasure during the British Rule)	
	Poetry ● Keeping Quiet	Each student will be able to ● Recall and identify poetic devices used	Flipped learning : Video Resources https://youtu.be/EWXdTwFHETA (What if all humans disappeared from the Earth)	

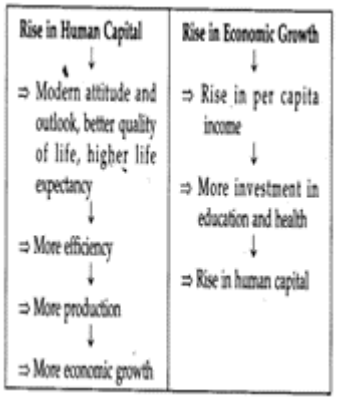
		• Infer symbolism used in poetry • Analyze the theme of the poem- necessity of intuitively following the adage 'Live and Let live'. • Critically evaluate impact of human actions on earth and various Species	Class discussion on the topic Man needs Earth not vice-versa Raise a debate on –'War has no Winners' Ukraine -Russian https://youtu.be/LK6Aek7gBbo	
	• Rattrap Writing Skill Letter to the Editor	• Interpret title of the lesson • Sequence the events • Identify plot and theme • Evaluate whether the peddler was honest or a cheater • Synthesize possible alternate end of the story Format, content and expression	Brainstorming on the following questions. Are you tempted by any thing in life or have you fallen to any of the temptation which made you do even wrong? Do you think a sense of guilt after committing a crime is punishment in its own right? Can a person ever change his perspective towards life? • Vocabulary enrichment Independent Learning Link: https://www.youtube.com/watch?v=pGgnyj8Oyvo How one act of kindness a day can change your life? Or Monologue on understanding your faults and its redemption	

Business Studies	• Planning • Organising • Staffing	**Each student will be able to:** • State the concept of planning. • Explain the importance of planning. • Realize the limitations of planning. • Explain the process of planning. • Differentiate between strategy, objectives, policy,procedure, method, rules, budget and programs. **Each student will be able to:** • Highlight the importance of organizing. • Elaborate the steps in the process. • Describe functional and divisional structures of org. • Explain formal and informal organization. • Define delegation and decentralization. • Explain the importance of delegation and decentralization. • Differentiate between delegation and decentralization. **Each student will be able to:** • state the meaning and importance of staffing.	Making of a plan for a picnic Flipped Class on relationship of authority,responsibility and accountability. Participation in discussion (formal & informal organization) Brain -Storming - Internal source of recruitment is better than external source of recruitment. Find out from your family members & relatives,the different kinds of training received & their benefits. Brain- storming – role of supervisors to be abolished or no.	Class Test MCQs Worksheet Assignment Quiz Class Test Assignment NCERT questions Class Test Assignment NCERT questions

	● Directing	● appreciate the function of staffing in human resource management. ● describe the process of staffing. ● classify the internal and external sources of recruitment. ● explain the steps in the selection process. **Each student will be able to:** ● explain the meaning and importance of directing. ● list the four elements of directing. ● appreciate the importance of supervision. ● explain the importance and need of hierarchy in motivation. ● differentiate between financial incentives and non-financial incentives.	Discussion on importance of financial & non-financial incentives. Collect information about various ways to motivate employees in various organization	Class Test Revision assignment
Accountancy	**<u>MAY</u>** 4.Accounting for partnership firm: admission of a partner 5.Accounting for partnership firm: retirement and death of a Partner.	**<u>Each student will be able to:</u>** ● calculate the new profit ratio and sacrificing ratio. ● do the accounting treatment of goodwill in different cases ● treat of goodwill already existing at the time of admission of a partner. ● personal goodwill and other assets brought in by the new partner	Practical assignment on sacrificing ratio, gaining ratio and change in profit sharing ratio. Written test on calculation of new profit-sharing ratio, sacrificing ratio and gaining ratio. Students to find some real partnership firm and bring information about change in profit sharing ratio. Assignment on calculation of profit till the death of a Partner.	Class Tests Google forms Assignments Padlet Google classroom

	6.Accounting for partnership firm: dissolution of a partnership firm	● prepare and journalize the revaluation account ● pass journal entries relating to distribution of accumulated profits and reserves. ● prepare revaluation a/c, partners' capital a/c and partners current a/c, and balance sheet of new firm. ● show adjustment of capitals on the basis of incoming partners' capital accounts. ● calculate the new partner's sacrificing ratio and gaining ratio. ● differentiate between sacrificing and gaining ratio. ● revaluate assets and reassess liabilities ● prepare revaluation a/c, make accounting entries to record revaluation and profit / loss on revaluation. ● make distribution of accumulated profits and reserves. ● show treatment of hidden goodwill on retirement as well as treatment on goodwill on retirement. show. ● prepare revaluation a/c, partners capital a/c and partners current a/c, and balance sheet of new firm.	Assignment on preparation of deceased partners' capital accounts. Discussion on revaluation account and realization account Practical assignment on dissolution of a partnership firm (full questions)	

		• explain payments to retiring partners – preparation • Calculate profit till the date of death. • Prepare deceased partners capital a/c and executors a/c.Prepare revaluation a/c. • explain the concept of dissolution • find out the types of dissolution of a firm • discuss how to settle accounts, prepare realization a/c and other related a/c, capital a/cs of partners.		
Economics	**Money and Banking-8** Meaning Supply of money Credit creation Central bank, its role and Functions Human Capital Formation How people are a resource.6	**Each student will be able to:** Comprehend the meaning of money and its functions. Supply of money and its measures. Develop the understanding of money creation by commercial banks and functions of central banks. Explain the process of credit creation by commercial banks. Role of human capital formation Problems Factors affecting human capital	Identify different banks from logos. Able to identify a fake currency from genuine one. Understand how important is RBI for the country and how it controls the supply of money in the economy. Debate on E-currency Look at the picture and identify the components.	Weekly test Google forms Quiz

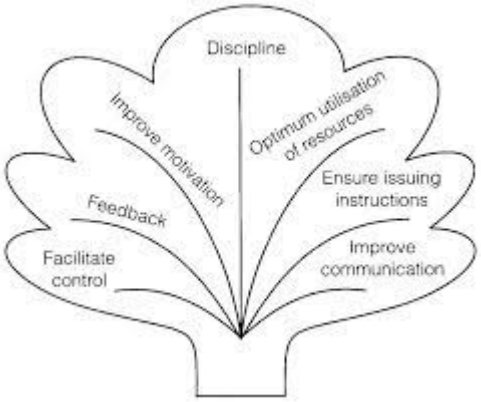
	Role of human capital in development	Each student will be able to identify the importance of human capital formation. Identify the ways its done. Comprehend the difference between human development and capital formation. Critically appraise the current education scenario. The concepts of Human Resource, Human Capital Formation and Human Development The links between investment in human capital, economic growth and human development	 Identify the differences along with examples.	Worksheets Google forms Peardeck Worksheets Google forms Peardeck MCQ

JULY				
Subject	**Topics to be Covered / No. of Periods**	**Learning outcome**	**Activities**	**Assessments**
Mathematics	• **Integrals** ❖ Integration by partial fractions ❖ Definite integral ❖ Properties of Definite Integrals	**Each student will be able to-** ★ apply the method of partial fractions to integrate ★ make sense out of concept of definite integral of a function ★ evaluate definite integral using the fundamental theorem of calculus. ★ apply the properties of definite integrals in solving questions	• Math Lab Activity: To evaluate the definite integral $\int_a^b \sqrt{1-x^2}\,dx$ as the limit of a sum and verify it by actual integration.	Through small tests in fundamentals Class work Home work Google Forms Oral questioning

	• **Application of Integrals** ❖ Area under a curve • **Differential Equations** ❖ Order and degree ❖ General and particular solution ❖ Variable separable form	**Each student will be able to** ★ sketch the various standard curves ★ calculate the area under simple curves, area of the region bounded by a curve and a line ★ identify an equation involving derivatives of the dependent variable with respect to independent variable as a differential equation. ★ distinguish between order and degree of any differential equation and state the order and degree(if any) ★ solve a differential equation and find its general solution and also particular solution ★ apply variable separable method to solve an equation in which variables can be separated completely	• Quiz to test on standard equations of conic sections. • Experiential Activity : ❖ To find the area of a leaf ❖ To observe the types of curves formed when a bucket of still water is disturbed by throwing a coin in it • Quiz on degree and order of a differential equation • Art Integrated Learning:Find a pattern of family of curves in a picture of S H Raza and also sketch it.	Quiz MCQs https://diksha.gov.in/play/content/do_3130887668530954241214
English	Prose : The Enemy (06)	Every Student will be able to 1.answer short and long answer questions 2. Sensitized towards humaneness in war 3. Critically evaluate the statement 'Fanatic	**Flipped Learning** students will be shown a clipping from the movie,'Pearl Harbour' and asked the following questions: a)What do you think is happening here? How many World Wars have taken place so far? b) Elaborate upon the conflict in Sadao's mind in light of the Hippocratic oath for doctors	CBSE question answers

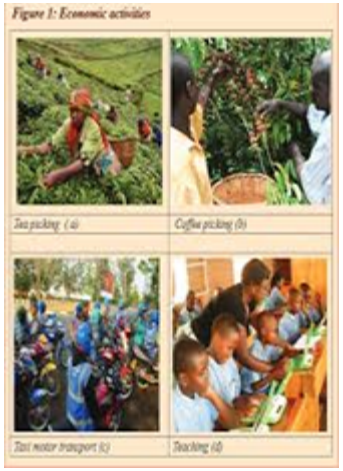
		behavior corrodes practical thinking' 4. Acquire personality traits like generosity,love, trust, honesty, care and concern	https://i.etsystatic.com/9418101/r/il/6df2e6/2644915730/il_fullxfull.2644915730_s0md.jpg	Google forms Worksheet and assignments
	Poetry- A Thing of Beauty	Every student will be able i.to understand the poem. ii. Critically analyze the poem. iii. Find out the figures of speech used in the poem. iv. read the poem with proper voice modulation, punctuation, and intonation.	The session would begin with an interaction. The learners would interpret the title of the poem **Independent Practice** Based on the poem, express your views on 'Grandeur associated with the 'mighty dead' Brainstorming (Buzz Session) . Do we experience things of beauty only for short moments or do they make a lasting impression on us? (Relational) 2.Nature promises man comforts against all odds. But it is for man to recognize them. Explain .	
	Prose- On the Face of It	1 Acquire an ability to form opinions and express them with clarity. 2 ,be able to develop sensitivity towards their culture, aspects of contemporary life. 3. students will be able to analyse the themes.*Fantasy vs. Reality*	**As an Introduction**: An Antidote to Dissatisfactionhttps://youtu.be/WPPPFqsECz0 A brainstorming on dissatisfaction among young adults Hero worship and adolescents A way of escape ; hope Song songLab - Hero ft. Seph Schlueter (Lyrics)https://youtu.be/lr5hTLQVeFwdiscussio	CBSE question answers Google forms Worksheet and assignments

		Family vs. Individuality *Class vs. AmbitionLimitations of Gender Roles*	n / brainstorming /Q+A	
	Report Writing	1. Learn the proper format of report writing 2. Understand the purpose and types of report writing 3. Understand the difference between News and Magazine reports 4. Recognize the distinctive features of each type of report 5. Write a report in a clear, concise, effective manner	https://create.kahoot.it/share/duplicate-of-report-writing-2021/c86f36ec-e88b-412b-aa2f-2722f08e5250	
	Prose- The Interview	Every student will be able to Explain the positive and negative aspects of interviews Enumerates the characteristics of Umberto Eco's writings Answer a test on the lesson Prepares a questionnaire for an interview with a writer.	(Genesis of interviews) Genesis of Interview 2376-Article Text-7157-1-10-20140114.pdf (Worksheet 1) https://drive.google.com/file/d/1Cq_XRTRqZDWROI_moVh1vuBBqQH3Cwgq/view?usp=sharing	https://drive.google.com/file/d/1N9UnKgmLgauF_qYFkf9-Q3o7ZqInj9fj/view?usp=sharing (Assignment)

Business Studies	● **Directing** ● **Controlling** ●**Financial Management**	Each student will be able to: ● explain the meaning and importance of directing. ● list the four elements of directing. appreciate the importance of supervision. ● explain the importance and need of hierarchy in motivation. ● differentiate between financial incentives and non-financial Incentive. Each student will be able to: ● define controlling ● state the importance of controlling ● establish the relationship ● between planning & controlling ● describe the steps in the control process. Each student will be able to ● State the meaning of financial managements ● State the objectives of financials ● Explain the importance of finance function in modern business ● Elaborate the meaning & importance of financial planning ● Analyze the factors affecting capital structure ● Describe the factors affecting	Brain- storming – role of supervisors to be abolished or no. Discussion on importance of financial & non-financial Incentives.  Collect information about various ways to motivate employees in various Organization Draw a chart showing activities from the environment which can be controlled and which can't be	Class Test Assignment NCERT questions Class Test Revision assignment https://drive.google.com/file/d/0ByIErKS8bKirNVE0TVV1b0dQZ1U/view?usp=sharing https://1.bp.blogspot.com/-7CNXUjYOCwQ/VWoZcAyHv8I/AAAAAAAAKY/BOEkL4NaLiwnjd2-gH4LiGFCWNGDNdF9wCPcBGAYYCw/s1600/images.jpg https://blogger.googleusercontent.com/img/a/AVvXsEgev8BlejQ2KXS6dILwPUAAmEd29BFHLmvnkxa92aA1gjctSAgAWVvTfaorcg-Vve4iJ3qFQXBGzT9oGccjKvl9oXSFAWdfcURsu6-plisDd5Z90LHgYqgU3w1QleTn4onp3gobDPW4rc-aulmF4nAarIz0_8icgO7

		fixed & working capital	Controlled. Solve the Crossword https://bstclass12.blogspot.com/2022/01/crossword-of-chapter-controlling.html **Use of Flash Cards** https://bstclass12.blogspot.com/2021/01/flashcards-of-chapter-financial.html **Art Integration** Role plays as CFO, MD and BOD with teams and shows the importance of financial decisions. **Experiential Learning** Design a brochure of a company w.r.t. financial planning.	Mq9sD7Zkzo-eUbdf0eVaFrSbZNw=s420
Accountancy	Accounting for partnership firm: dissolution of a partnership Firm(cotd.) ● Accounting for Share Capital	Each student will be able to: ● explain the concept of dissolution ● find out the types of dissolution of a firm ● discuss how to settle accounts ● prepare realization a/c and other related a/c, capital a/cs of partners Each student will be able to: ● State the meaning of equity and preference share ● State the type of shares. ● Classify share capital of company ● Exhibit share capital in balance	Practical assignment on dissolution of a partnership firm (full questions) Newspaper cuttings in the form of collage related to public offer for sale. Experiential learning Recording of share prices for one week and calculating profit/loss therefrom. **Mock-stock activity**	Google forms Assignments CBSE questions Assignments MCQ Class test

		sheet ● Pass journal entries for issue of shares, forfeiture of shares and reissue ● Make accounting treatment of rights issue, issue of shares to promoters and vendors. ● Differentiate between capital reserve and reserve capital.		
Economics	**National Income** National Income and Related aggregates. Methods of calculating national income Deriving the formulas Aggregates related to national income Real and Nominal GDP	**Each student will be able to:** ● Identify the different methods for the measurement of national income ● Define income method ● Know expenditure method ● Classify factor income ● Analyze the circular flow of income ● Discover the flow of income in various sectors. ●Analyze the interdependence of the 3 methods	Playing a game may be able to create a spirit of competition and challenge through which Learning may be enhanced. . Flashcards of different NIA aggregates such as NDP at factor cost, NNP at market price. Flipped Classroom The students will watch the link on you-tube and practice numerical in class. Collect articles related to changes in GDP from the newspaper for discussion. 	Class tests Pear deck revision question- for classroom assessment Google forms Jam boards Worksheets . Use Economic Times newspaper, Economic magazines as yojana, to know about the status of national income of a country

			 Identifying the sectoral contribution. 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. **ART INTEGRATION-** Using different forms of art students will make a collage on the various aspects of national income	
AUGUST				
Subject	**Topics Covered / No. of Periods**	**Learning outcome**	**Activities**	**Assessments**
Mathematics	• Differential Equations ❖ Homogeneous differential Equation ❖ Linear differential equation of first order.	**Each student will be able to** ★ identify and solve a differential equation that can be expressed in the form dy/dx = f(x,y) or dx/dy = g(x,y) as homogeneous differential equation	LA: • Students will watch the relevant video at home • Read NCERT examples at home	Through small tests in fundamentals Class work Home work

		★ identify and solve a differential equation of the form dy/dx + Py = Q and dx/dy + Px = Q as a first order linear differential equation.		Google Forms Oral questioning Quiz
	● Inverse Trigonometric Functions ❖ Domain, range and graphs ❖ Principal values ❖ Properties of inverse trigonometric functions.	**Each student will be able to** ★ define inverse trigonometric functions ★ state the domain and range of inverse trigonometric functions ★ sketch the graph of inverse trigonometric functions ★ use properties of inverse trigonometric functions to solve questions	LA: ● Watch the related video at home. Math Lab Activity: ● To draw the graph of $sin^{-1} x$, using the graph of sin x and demonstrating the concept of mirror reflection (about the line y = x).	MCQ: https://diksha.gov.in/play/content/do_31309425016164352011711
	● Linear Programming Problem(LPP) ❖ LPP as optimization problems ❖ Graphical method of solving LPP (bounded and unbounded)	**Each student will be able to** ★ identify objective function , non-negative restrictions and constraints of a LPP ★ plot the feasible region on graph. ★ describe a linear programming problem as a one that is concerned with finding the optimal value (maximum or minimum) of a objective function of several variables that are non – negative and satisfy a set of linear constraints		

	• Probability ❖ Conditional probability ❖ Multiplication theorem ❖ Independent events	★ solve graphically the linear programming problems by corner point method by identifying feasible region (bounded and unbounded), corner points and thus finding the optimal feasible solution **Each student will be able to** ★ define and find the conditional probability of an event E, given the occurrence of the event F * list the properties of conditional probability ★ apply multiplication theorem on probability ★ define independent events and check whether the given events are independent or not.		
English	**Prose- Journey to the end of the Earth**	Each student will be able to • Develop proficiency for abstract thought and knowledge acquisition. • Demonstrate silent reading, oral feedback and detailed account of the lesson. • Infers meanings from contexts and describes them with clarity. • Participate constructively in Group Discussion.	Antarctica is a crucial element in the debate over climate change as there is fear of melting of glaciers in Antarctica because : A. Locate references of the above statement given in the text. B. Note down the sentences, expressions from the text. **Flipped learning** Read more to find more information on The Paris Agreement (pact within the United Nations Framework Convention on Climate Change (UNFCCC) between 197 countries).	CBSE Q/Ans Class assignments Google forms Worksheets

	Poetry- Aunt Jennifer's Tiger **Poem- A Roadside Stand**	Every student will be able to • Interpret theme of the poem • Critically analyze the poem • list out the figures of speech in the poem • Discern and describe various equalities they see in different forms around them • Discussion of the poem-male chauvinism and gender conflicts. **Every student will be able to** i) understand the contrast between the lives of rich and poor ii) acquaint themselves with the world around them iii) learn not only from books but from the examples around them iv) comprehend the poem and enhance the vocabulary v) identify the figures of speech	•Visit the official sites and read about the agreements and conventions on Climate change. •While reading, take down notes. Share and discuss with the teacher and peers. • Brainstorming and raising a debate on 'Discrimination against women' • What ordeals do you think Aunt Jennifer is surrounded by? Warm up https://drive.google.com/file/d/10K6KIFFgW1u3fbrN6k4tJ0Fgb6EyWTdT/view?usp=sharing Mind Map https://diksha.gov.in/play/content/do_3130691647023513601 2 Figures of speech https://drive.google.com/file/d/11InSkvydxErJErcwU26CtCf4FmSWxan0/view?usp=sharing	Quiz CBSE Q/Ans

		vi) understand that the economic well being of a country depends on a balanced development of the villages and cities		
	Prose- Indigo	Every student will be able to Relate thoughts, ideas, views and opinions fluently with proper pronunciation Explain the importance of the Champaran episode Provides correct answers to questions based on the lesson	Introduction https://www.youtube.com/watch?v=nX_z1tWy18o https://www.youtube.com/watch?v=Kg8lidoHADg **Flipped Learning** Choose an issue that has provoked a controversy like certain projects in Goa, where the lives of the people have been affected. 2. Find out the facts of the case. 3.Present your arguments. 4. Suggest a possible settlement. https://drive.google.com/file/d/1xb78usal0sNB587gA6DXs8niyiL3Cxy/view?usp=sharing	
	Writing Skill: **• Formal and Informal Invitations** **• Replies to Formal and Informal Invitations**	Every student will be able to: 1. Explain the difference between formal and informal invitations 2. Learn the formats for both kinds of invitations and their replies 3. Draft their own invitations and replies to invitations as per situations provided to them.		

Business Studies	● Financial Markets ● Marketing Management	**Each student will be able to:** ● State the concept and nature of capital market ● State the meaning of money market ● Explain the instruments on Money Market ● Distinguish between capital market & money market ● Explain the functions of stock exchange **Each student will be able to:** ● Describe the elements of marketing mix ● State meaning and classification of product ● Elaborate the importance of branding, labelling and packaging ● State the meaning and role of physical distribution ● Explain the factors determining choice of channels of distribution ● Examine the objections to advertising	 Students will be asked to read about financial markets from different sources and discuss them. Art Integration Role plays as CFO, MD and BOD with teams and show importance of financial decisions. Experiential Learning Design a brochure of a company w.r.t. financial planning. Activity based learning (use of packets of products) Product Placement activities. Art Integration Slogan/jingle making Experiential learning Turning old into new(Take any old/used product and create something new from this)	Sunny vs. muddy points Thumbs up/thumbs down Oral test Assignment and worksheet Assignment NCERT questions Class test

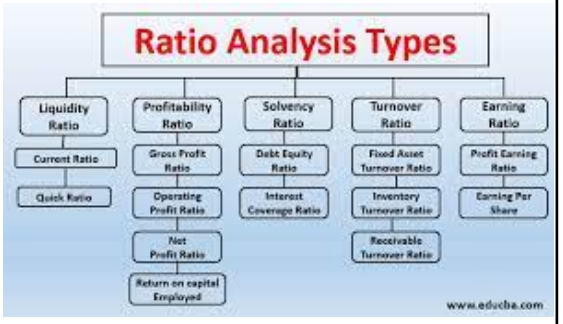
Accountancy	● Accounting for Share Capital (continued)	Each student will be able to: ● Classify share capital of company ● Exhibit share capital in balance sheet ● Pass journal entries for issue of shares, forfeiture of shares and reissue ● Make accounting treatment of rights issue, issue of shares to promoters and vendors. ● Differentiate between capital reserve and reserve capital.	 Students will be asked to : -Ascertain the amount of premium or discount in different cases. -ascertain the amount of loss on reissue -compute the amount of capital reserve. Art Integration Design Indian currency by using any form of art	NCERT questions Worksheet Assignment Class Test Google forms
Economics	**Determination of Income and employment** Determination of Income and employment. Component of Aggregate Demand Consumption Savings Functions Determination of Equilibrium. Multiplier Excess Demand Deficient demand Monetary Policy	**Each student will be able to:** Identify the concept of Aggregate demand and state its components. Derive the consumption and savings from Income Y=C+S Determine the short run fixed price in product market equilibrium, output, Multiplier and its working Deficient demand and Excess demand Measures to combat the changes in equilibrium and output	Discussion on how The sub-prime crisis in the United States of America led to Economic repercussions in the everyday lives of not only Americans but also in India. Concept mapping for Derivation of Consumption Function.	**C**lass tests Worksheets Google Forms Jam boards Quiz Alize ROLE PLAY

	Rural Development Identify the need for rural development and the major issues associated with it appreciate how crucial the development of rural areas is for India's overall development • understand the critical role of credit and marketing systems in rural development • learn about the importance of diversification of productive activities to sustain livelihoods	To analyze the current economic scenario in India. To make students understand the initiatives of government in addressing it's Challenge . To familiarize student concepts of current Challenges facing the Indian economy, especially rural development. To assess the students understanding of the Farm laws	**Wall magazine** Debate on Whether Keynesian Economics is applicable in today's world ACTIVITY BASED LEARNING Hands-on experiments and activities . Some activities related to current Challenges facing the Indian economy like picture graph, table, diagram, comprehension, different case studies related to primitive and modern given to the students for lesson understanding. Art Integration	

SEPTEMBER

Subject	Topics Covered / No. of Periods	Learning outcome	Activities	Assessments
Mathematics	• Probability ❖ Partition of a sample space	**Each student will be able to** ★ describe partition of a sample space	LA: Read solved examples Math Lab Activity:	Class work Home work

	❖ Theorem of total probability ❖ Baye's Theorem ❖ Random Variables and Probability distribution ● Revision for Term-1 Exam	★ state theorem of total probability and apply to questions. ★ make sense out of the concept of reverse probability ★ apply the Bayes' theorem ★ define a random variable ★ apply the concept of random variable	To explain the computation of conditional probability of a given event A, when event B has already occurred, through an example of throwing a pair of dice. Experiential Activity: Take 2 bags, bag 1 containing 4 one rupee coins and 2 two rupee coins and the other containing 2 one rupee coins and 4 two rupee coins The probabilities of selecting either bag is equally likely. Select any bag and draw a coin from it. Try to answer the following question a) Given that the coin selected is one rupee coin, what is the probability it was selected from the first bag? b) Given that the coin selected is one rupee coin, what is the probability it was selected from the second bag?	Google Forms Oral questioning Quiz
English	**Revision of topics for Term 1 Examination**	**Practice of Reading Comprehension** **Writing Skills** **Literature**		

Business Studies	Marketing Management contd.	Each student will be able to: ● Analyze the role of sales promotion in marketing ● Explain the meaning, role and methods of advertising ● State the role of personal selling ● State the various public relations tools ● Differentiate between advertisement and publicity	 Students will be asked to: Point out the factors to be taken in to consideration for product, price and place mix Exemplify various modes of distribution of goods. Students will be asked to exemplify various modes of promotion and evaluate them. Designing an advt for the given product(EL).	Assignment NCERT questions Class test MCQs
Accountancy	Analysis of Financial Statements of a company	Each student will be able to : ● Explain the need of analysis of Financial statements ● Prepare comparative and common size statements ● Classify various items of Balance sheet under their respective headings. ● Explain the meaning of accounting ratios. ● Explain the meaning of accounting ratios. ● Understand the objectives and limitations of accounting ratios. ● Classify the ratios ● Compute liquidity and solvency ratios and analyse them.	Annual report or segment report of listed companies(E/L) Draw a chart showing the significance of each ratio. 	Quiz Assignments Worksheet

		● Compute activity and solvency ratios ● Express their opinion about the operational efficiency and financial soundness of the company		
Economics	**Employment** How growth gets affected because of high levels of unemployment. Different kinds of unemployment. Rural and Urban Causes Strategies economic activities.	Know a few basic concepts relating to employment such as economic activity, worker, workforce and unemployment. Appreciate the nature of participation of men and women in various economic activities. Acknowledge the nature and extent of unemployment. Students will understand the various types of unemployment: frictional, structural, and cyclical. Assess the initiatives taken by the government. They will apply labor force concepts to calculate the civilian labor force, the labor force participation rate, the official unemployment rate, and an alternate unemployment rate.	Hands on activity to teach different kinds of unemployment. Crossword on unemployment Classroom activity (game) to unemployment rate and other labor force metrics Have students work in small groups or partnerships for this activity. Give each group a copy of a chart or table showing unemployment statistics from the region or time period you are studying most closely. Students can also look at contemporary statistics. Group Discussion to follow.	Class Test MCQs Worksheet Assignment Quiz

	Sustainable development Meaning, Effects of Economic Development on Resources and Environment, Global warming REVISION FOR MID _TERM	They will learn about the effects of discouraged workers, the incarcerated, and the underemployed on the unemployment rate. Figure out comparative trends in various economic and human development indicators of India and its neighbors, China and Pakistan. Assess the strategies that these countries have adopted to reach their present state of development.	Jigsaw Puzzle Video to elicit response from students. Classroom discussions Go Goals digital game. Quiz ART INTEGRATION 	Class Test MCQs Worksheet Assignment Quiz

OCTOBER

Subject	Topics Covered / No. of Periods	Learning outcome	Activities	Assessments
Mathematics	• Vectors ❖ Position Vector ❖ Types of vectors ❖ Direction cosines ❖ Algebra of vectors	Each student will be able to ★ differentiate scalars and vectors by giving examples	LA: • To watch related video at home. • To read solved examples from book. Math Lab Activity:	Through small tests in fundamentals Class work

	❖ Scalar and vector product	★ describe a vector with initial and terminal points with a direction and magnitude as the distance between the endpoints ★ describe a vector in space in terms of its direction cosines ★ establish a relationship among the direction cosines ★ recognise that direction ratios are proportional to direction cosines ★ list the types of vectors and define them like zero vector, unit vector , coinitial vectors, collinear vectors, equal vectors, negative of a vector ★ add two vectors using triangle law of vector addition ★ list the properties of vector addition ★ multiply a vector by a scalar ★ represent a vector as in its component form ★ state the relation between the scalar components of collinear vectors ★ apply the section formula to questions ★ define scalar product of two vectors ★ list the properties of scalar product ★ describe the projection of vector on a line ★ define vector or cross product of two vectors	● To verify geometrically that $\bar{c} \times (\bar{a} + \bar{b}) = (\bar{c} \times \bar{a}) + (\bar{c} \times \bar{b})$ ● To verify that angle in a semi-circle is a right angle, using vector method.	Home work Google Forms Oral questioning Quiz MCQ(Vectors) https://diksha.gov.in/play/content/do_3130936995018178561602

		★ list the properties of cross product ★ find the area of a parallelogram using cross product		MCQ(3-D geometry) https://in.ixl.com/math/class-xii/find-the-component-form-of-a-three-dimensional-vector
	● Three dimensional geometry ❖ Direction ratio and cosines of a line ❖ Equation of line in space ❖ Angle between two lines ❖ Shortest distance between two lines	**Each student will be able to** ★ define the direction cosines of a line ★ find the direction cosines of a line joining two points. ★ state the relation between direction cosines and numbers ★ define skew lines. ★ find the angle between skew lines. ★ state the relation between the direction cosines(ratios) of two lines and the angle between them. ★ find the equation of a line that passes. through a given point and parallel to a given vector in vector and cartesian form ★ find the equation of a line passing through two given points ★ find the shortest distance two lines ★ state the formula for finding distance between skew lines and parallel lines.		

	• Relations and Functions ❖ Types of relation ❖ Types of functions	**Each student will be able to** ★ state the types of relations ; reflexive , symmetry , transitive and equivalence and define them ★ solve questions based on the types of relations ★ state the types of functions : one-one(injective) , onto(surjective) ★ solve questions based on the types of functions.		
English	**Prose- On the face of it** **Prose- Poets and Pancakes**	Students will be able to correctly answer the question of being optimistic even in the face of adverse circumstances in life. Each student will be able to Enrich their vocabulary Narrate the gist of the story Inculcate values of positivity and compassion Every student will be able to analyze the working conditions and people involved in the studios.	**Collaborative learning/Role Play:** Two students will pair up and each will take up the role of Jerry or Mr Lamb Analyze. Why do the two characters in the lesson face humiliation? Why human beings cannot live by the motto 'live and let live https://diksha.gov.in/play/collection/do_3131034753746862081144 0?contentId=do_3130017 57442973696138 Flipped learning The students will be shown pictures of Gemini Studio and video clippings. https://web.archive.org/web/20130810170333/http:/geminiindia.in/history 'Humour creates interest and attraction brings out the hidden talent of the character through the writer's creation'–Discuss	Worksheets Oral Quizzes Comprehension Check CBSE Q/Ans Assignments

	Prose-Memories of Childhood **Writing Skill- Job Application**	understand that there was a great deal of national integration. Interpret the use of talent and creativity at its best. Comment on good poetry and music being the deciding factor in the popularity of the film Each student will be able to Provides correct answers to questions based on the lesson Identifies the complexity of ideas in the text Expresses the problems related to caste and racial discrimination Understand and appreciate autobiography as a genre of literature Familiarize students with the universal concept of discrimination on the basis of caste/nationality/religion/gender Understand the biographical accounts of women from the marginalized societies . .Each student will be taught the correct format and purpose of drafting job applications	https://docs.google.com/document/d/1cmMHI92DZ7UhrWJG48c9uIVlgw4yDWtD/edit Flipped learning https://drive.google.com/file/d/1KFOvg_Am8YercpNy0zdhJUWsVHZKuTBo/view?usp=sharing Group Discussion/Role play History abounds with examples of people who were discriminated on the basis of their nationalities/ religion/ethnicity/ colour of the skin/ and gender Samples https://diksha.gov.in/play/collection/do_31318424317821747212516?contentId=do_313285449188188160111983	

Business Studies	● Consumer Protection	Each student will be able to: ● Explain the importance of consumer protection ● Discuss the rights and responsibilities of consumers ● Examine the means of consumer protection ● Explain the role of consumer organizations and NGOs	 Create a pamphlet on consumer awareness. Prepare flash cards showing rights and responsibilities of consumers. Mind Map https://drive.google.com/file/d/1zCCEfjIygUstGuLr-4zbMYKGgr0aLd2z/view?usp=sharing Interactive image https://bstclass12.blogspot.com/2021/03/consumer-protection-in-india.html	Assignment NCERT questions Class test https://2.bp.blogspot.com/-7CNXUjYOCwQ/VWoZcAyHv8I/AAAAAAAAKY/BOEkL4NaLiwbWxaMJEqeDtJSESNa8iAAQCPcB/s1600/images.jpg
Accountancy	● Cash Flow Statement	Each student will be able to: ● Explain the meaning of the Cash flow Statement. ● Exemplify cash, funds and cash equivalents. ● Calculate operating profit and cash from operating activities through direct and indirect methods.	Prepare CFS of your household expenses and incomes using art as background. Ask hometown of your parents and incorporate art of that state.	Quiz Assignments Worksheet

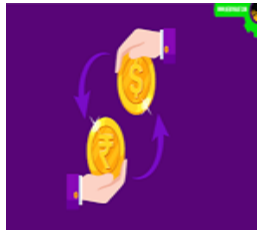
Economics	**Balance of Payments** Balance of Payments and Foreign Exchange. Determination of Foreign Exchange Causes of Forex-demand and supply Balance of Payments Current and capital account India's relation with china and Pakistan Development Experience of India India's relation with China and Pakistan	Define foreign exchange Understand Balance of Payments Determine the rate of exchange Give reasons for the fluctuations in foreign exchange. Explain why a deficit in the current account of the balance of payments may result in downward pressure on the exchange rate of the currency. Currency Fluctuations **Each student will be able to** Analyze India's relation with neighboring countries, its development vise a vis development experience of neighbors. Development path taken by the three countries The challenges faced by the three countries.	The methodology of determining exchange rate and the components of the Balance of Payments are to explain taking up to date data from daily newspapers and other resources. Quiz Designing their own currency. Role play in determining the exchange rate.  **Use of graphic organizers to draw parallels between the two neighboring countries of India.** Case study on the comparative study of the three countries(L) Compare the products in terms of its price, quality, appearance, reliability etc produced by India and China	**C**lass tests Worksheets Google Forms Jam boards Quiz Alize ROLE PLAY **C**lass tests Worksheets Google Forms Jam boards Quiz ROLE PLAY

		Figure out comparative trends in various economic and human development indicators of India and its neighbors, China and Pakistan . Assess the strategies that these countries have adopted to reach their present state of development.	Bar diagrams and collage to show the developmental path adopted by the three Countries.	
NOVEMBER				
Subject	**Topics Covered / No. of Periods**	**Learning outcome**	**Activities**	**Assessments**
Mathematics	Revision		Practice Papers	
English		CBSE Sample Paper Assignments Practice questions to be attempted		
Business Studies	REVISION		Practice papers	
Accountancy	REVISION		Practice papers	
Economics		CBSE Sample Paper Assignments Practice papers to be attempted		

DECEMBER and JANUARY				
Subject	**Topics Covered / No. of Periods**	**Learning outcome**	**Activities**	**Assessments**
Mathematics		**Revision of all topics**		
English		**Revision of all topics**		
Business Studies		**Revision of all topics**		
Accountancy		**Revision of all topics**		
Economics		**Revision of all topics**		