

ALTERNATIVE ACADEMIC CALENDAR

FOR STUDENTS

SESSION – 2020-21



Class
XII

D.A.V. MODEL SCHOOL
I.I.T. KHARAGPUR



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CLASS : XII
Subject: ENGLISH

Books Recommended: FLAMINGO – NCERT VISTAS - NCERT

Month	Chapter And Content	Learning Outcomes	Sources/Resources Text book/ Ref. books/ e-resources/useful links	Week-wise Suggestive Activities (to be guided by teachers/parents)	Subject Enrichment Activity/ ART Integrated Activity
April	THE LAST LESSON	<p>The chapter explains the role of mother tongue when the people are in bondage by another country.</p> <p>Students are able to listen, reflect on the content.</p> <p>Express their opinion independently.</p> <p>Answer logically.</p> <p>Able to appreciate the narrative.</p>	<p>NCERT book FLAMINGO</p> <p>https://www.learnce.in/ncert-solutions-for-class-12-flamingo-english-the-last-lesson/</p> <p>https://www.youtube.com/watch?v=IEd-Mcn-UJg</p>	<p>Week 1:</p> <p>Students to find out the effect of Linguistic Chauvinism.</p>	<p>Students are able to visualize the video version of the lesson through online platform</p>
	LOST SPRING NOTICE WRITING	<p>The chapter explains the plight of small children working as rag pickers in slums and bangle making in the glass blowing industry of Firozabad.</p> <p>Students to listen to the reading, understand the lesson and the explanation</p> <p>Format of a Notice to be displayed on screen sharing through Google meet platform</p>	<p>NCERT book FLAMINGO</p> <p>https://www.successcds.net/cce-cbse/class-xii/english/lost-spring-stories-of-stolen-childhood.html</p> <p>https://www.youtube.com/watch?v=ZQ-wxr-2K98</p>	<p>Week 2</p> <p>Students to watch videos and clippings of slums in India. Also Bangle making by child labours in Firozbad.</p>	<p>Students can make case study of rag pickers & petty sellers visiting their locality.</p>

	MY MOTHER AT SIXTY-SIX	<p>Students will be able to appreciate the poem, its meaning, critically appreciate the theme, attempt the answers with reference to context.</p> <p>Understand the literary devices used.</p> <p>Develop write up- paraphrase using appropriate vocabulary.</p>	<p>NCERT book FLAMINGO https://www.successcds.net/cce-cbse/class-xii/english/my-mother-sixty-six-ncert-explanation-summary.html</p>	<p>Week 3 Students to read other poems by Kamala Das and appreciate the simplicity in her verses.</p>	<p>By reading the text, there is scope to know and understand the issues of loneliness & feeling of dejection of parents when children grow up.</p>
	THE THIRD LEVEL	<p>Is time travel possible? The chapter describes the protagonists travelling the world of 1890's Students to listen to the reading, understand the lesson and the explanation</p>	<p>NCERT book VISTAS https://www.successcds.net/cce-cbse/class-xii/english/the-third-level.html https://www.youtube.com/watch?v=IFkyTQHf3gQ</p>	<p>Week 4 Students to learn about time travel from other similar stories, Videos and Sci-Fi movies</p>	<p>Students can find the way the text has been organized in sequence of incidents and study the ill effects of modern life and its busyness.</p>
MAY	DEEP WATER	<p>Able to appreciate the narrative related to the effort of narrator William Douglas to overcome his fear of water Students are able to listen, reflect on the content.</p> <p>Express their opinion independently.</p> <p>Answer logically.</p>	<p>NCERT book FLAMINGO https://www.learncbse.in/ncert-solutions-for-class-12-flamingo-english-deep-water/ https://www.youtube.com/watch?v=PRC RGSLA6O0</p>	<p>Week1 Students to learn the biography of William Douglas to overcome their own shortcomings</p>	<p>Students will list their fears and take counseling to get rid of them</p> <p>Draw sketch of William Douglas and treacherous Yakima river.</p>
	AN ELEMENTARY SCHOOL CLASS ROOM IN A SLUM	<p>A revolutionary poem by Stephen Spender highlighting miserable condition of Primary schools in slums. Students will be able to appreciate the poem, its meaning, critically appreciate</p>	<p>NCERT book FLAMINGO https://www.learncbse.in/cbse-sample-papers/ https://www.youtube.com/watch?v=ABA2Y8zBiX0</p>	<p>Week 2 Students to have awareness about problems of slum children pertaining to effective education</p>	<p>Students can visit any primary school near their area, take photographs and talk to the children about their needs</p>

		<p>the theme, attempt the answers with reference to context.</p> <p>Understand the literary devices used.</p> <p>Develop write up-paragraph using appropriate vocabulary.</p>			
	TIGER KING	<p>Able to appreciate the narrative related to the satire on whimsicality of kings during British period</p> <p>Students are able to listen, reflect on the content.</p> <p>Express their opinion independently.</p> <p>Answer logically.</p>	<p>NCERT book VISTAS https://www.learnce.in/ncert-solutions-for-class-12-vistas-english-the-tiger-king/ https://www.youtube.com/watch?v=AHC Oe8Zy4gI</p>	Week 3 Students to collect information about kings of colonial India	Dialogue writing between infant Tiger king & astrologer
	CLASSIFIED ADVERTISEMENT	<p>Format of a Classified Advertisement to be displayed on screen sharing through Google meet platform</p>		Week 4 Students to write all the types classified advertisement in their copy as shown in examples	
JUNE	THE RAT-TRAP	<p>Selma Lagerlof's fairy tale type narrative will be an eye opener how goodness can transform a criminal. Students are able to listen, reflect on the content.</p> <p>Express their opinion independently.</p> <p>Answer logically.</p>	<p>NCERT book FLAMINGO https://www.successcds.net/cce-cbse/class-xii/english/the-ratrap.html https://www.youtube.com/watch?v=QFObwSI2hvw</p>	Week 1 Students to learn the qualities of charity, goodness and apply them in family, neighborhood.	Enact the dialogue of the peddler in front of the iron master

	THE RAT-TRAP Contd.	Able to appreciate the narrative related to the effort of narrator William Douglas to overcome his fear of water Students to listen to the reading, understand the lesson and the explanation	NCERT book FLAMINGO https://www.successcds.net/cce-cbse/class-xii/english/the-ratrap.html https://www.youtube.com/watch?v=QFObwSI2hvww	Week 2	
	JOURNEY TO THE END OF THE EARTH	Can prepare notes while reading, infer meaning from contexts with clarity. Write creatively sensitively towards issues like political migration of people from one region/country to another.	NCERT book VISTAS https://www.successcds.net/cce-cbse/class-xii/english/journey-to-the-end-of-the-earth.html https://studentsonice.com/about-us/our-team/team/geoff-green/	Week3 Students to learn the ill effects of environmental pollution making a survey of Antarctic Ozone hole. They can equally show interest in Students on Ice Programme.	Make a PPT on Antarctica, and Students on ice
	INVITATION	Format of Invitation with replies – Card & Letter type, to be displayed on screen sharing through Google meet platform		Week 4 Students to write all the Invitation exercises as given in class for H.W.	
JULY	KEEPING QUIET	Students will be able to appreciate the importance of contemplation Get the meaning, critically appreciate the theme, attempt the answers with reference to context. Understand the literary devices used. Develop write up-paragraph using appropriate vocabulary.	NCERT book FLAMINGO https://successcds.net/cce-cbse/class-xii/english/keeping-quiet-ncert-explanation-summary.html https://www.youtube.com/watch?v=3IZVT-6dH4c	Week 1 In an age of selfish living, students will learn how contemplation can help in reforming their relation with nature	Label out things needed for self soul searching and retrospection

	COMPRE- HEN- SION	A comprehension passage is displayed for students to read and understand. Then MCQ were presented for students to answer, on the basis of their understanding of the passage.		Week 2	
	INDIGO	Students are able to listen, reflect on the content, in which the first Satyagraha movement of Gandhi in Champaran is narrated by his biographer Louis Fischer Express their opinion independently.	NCERT book FLAMINGO https://www.learnbse.in/ncert-solutions-for-class-12-flamingo-english-indigo/ https://www.youtube.com/watch?v=blV-ugVqjf4	Week 3 Students will find from print & electronic media materials about the techniques used by Gandhi in Satyagraha movement.	Find from the map of India Champaran, Motihari, Muzaffarpur.
	INDIGO Contd.	Answer logically. Able to appreciate the narrative. Students to listen to the reading, understand the lesson and the explanation	NCERT book https://www.youtube.com/watch?v=blV-ugVqjf4 https://www.learnbse.in/ncert-solutions-for-class-12-flamingo-english-indigo/	Week 4	Collect postal stamp of Raj kumar shukla
AUG- UST	THE ENEMY	Written on the background of 2 nd World War with bitterness between USA and Japan, the chapter by Pearl Buck shows how humanity rises above enmity. Students to prepare notes while reading, infer meaning from contexts with clarity. Write creatively sensitively towards issues like political migration of people from one region/country to another.	NCERT book VISTAS https://www.successcds.net/cce-cbse/class-xii/english/the-enemy-vistas.html https://www.youtube.com/watch?v=5fHPUpQRS9Y	Week 1 Students will get information about Pearl Harbour incident, bombing of Hiroshima and Nagasaki.	Locate Japan in world map and find the sea route and distance from Japan to South Korea, which the American POW escaped.

	THE ENEMY Contd.	Students to listen to the reading, understand the lesson and the explanation	NCERT book https://www.successcds.net/cce-cbse/class-xii/english/the-enemy-vistas.html https://www.youtube.com/watch?v=5fHPUpQRS9Y	Week 2	
	LETTER To EDITOR	Format of Letter to an Editor with examples to be displayed on the screen through Google meet platform.		Week 3	
	ASL-1 conducted	Passage read out with worksheet for students to solve in MCQ, Fill in the blanks format.		Week 4	

CLASS : XII
Subject: MATHEMATICS

Books Recommended: NCERT Text book

Month	Chapter And Content	Learning Outcomes	Sources/Resources Text book/ Ref. books/ e-resources/useful links	Week-wise Suggestive Activities (to be guided by teachers/parents)	Subject Enrichment Activity/ ART Integrated Activity
April	Relations and Functions	The learner Identifies different types of relations like reflexive symmetric , transitive and equivalence relation	E-resources Link for textbook/Laboratory Manual/ Exemplar problem book— ncert.nic.in – publications--- PDF (I to XII); ncert.nic.in – publications--- Exemplar problems; https://www.youtube.com/watch?v=oNCIgGg-EhU	Week 1: 1.Learners may be given different examples of relations including reflexive, symmetric and transitive and may be asked to differentiate between them. 2.The types of different relations should be evolved by the students . Learners after observing the relations will send their comments to the teacher. The discussion on these comments should lead to different types of relations. 3.The concept of equivalence relations will be discussed. Learners will create examples of such relations and crosscheck their correctness. 4.Exercises in the textbook and exemplar problem book for Class XII will be discussed. This will help in deepening the	1.To verify that the relation R in the set L of all lines in a plane , defined by $R = \{(l,m) : l \}$ is symmetric but neither reflexive nor transitive

				<p>understanding of concepts.</p> <p>5. Similar activities may be done for the concept of function.</p>	
	Inverse Trigonometric Functions.	<p>Explores the values of different inverse trigonometric functions.</p>	<p>https://epathshala.nic.in/process.php?id=students & type=eTextbooks&ln=en</p> <p>E-resource available on NROER National Repository of Open Educational Resources (NROER)</p> <p>https://nroer.gov.in/home/elibrary/</p> <p>https://youtu.be/PxP1wc4sETs</p> <p>https://youtu.be/HvUCu4iVO4</p>	<p>Week 2</p> <p>1. Trigonometric functions on different domains like $(0, \pi)$ or $(-\pi, \pi)$ will be discussed. Learners may comment on which domain the trigonometric function is one-one and onto, one-one or simply onto. The exchange of ideas can lead to the concept of inverse trigonometric functions. Learners may be motivated to make decisions and give reasons for that. This will ensure their involvement in the process of learning.</p> <p>2. Learners will trace curves for the inverse trigonometric functions in the e-resources available on NROER and comment on their nature. Questions may be put to them like what graph can be seen if the domain of $\cos^{-1} x$ is restricted to $(-1, 1)$?</p> <p>3. Students may download open source software Geogebra and try exploring the graph of open source software, GeoGebra</p>	<p>2. To draw the graph of $\sin^{-1} x$, using the graph of $\sin x$ and demonstrate the concept of mirror reflection (about the line $y=x$)</p> <p>3. To sketch the graph of a^x and $\log_a x$, $a > 0, a \neq 1$ and to examine that they are mirror images of each other.</p>

				<p>and try exploring the graphs different functions including trigonometric functions.</p> <p>4. Problems from textbook for Class XII and Exemplar Problem Book will be explained. The generation and sharing of ideas will clarify the concepts and Learners will become confident in posing and solving problems.</p> <p>5. E-resources will help in visualising the concepts better.</p>	
	Continuity and Differentiability	<ol style="list-style-type: none"> 1. Continuity at a point 2. Algebra of continuous functions 3. Testing continuity of a function at a point 4. Composition of functions 5. Meaning of differentiability at a point 6. Basic rules of differentiation and use them to find derivatives of products and quotients 7. know the chain rule and use it to find derivatives of composite functions 8. Differentiation of 	<p>Differentiation : https://youtu.be/EKvHQc3QEow</p> <p>Implicit function https://youtu.be/mSVrqKZDRF4</p>	<p>Week 3</p> <p>In this chapter, students will deal with continuity and differentiability problems solutions, that contains questions based on proving an equation is continuous if given with different values of 'x'. Also, they will examine certain functions of continuity and generate conclusions. They will come across explanations for the different types of questions, where they will provide the reasons if one quantity is replaced with different values. Some of the important Activities from the chapter are listed below: Sum, difference, product and quotient of continuous</p>	<p>4. To find the analytically the limit of a function $f(x)$ at $x=c$ and also to check the continuity of the function at that point</p>

		Infinite series Parametric functions Implicit function		functions are continuous. Every differentiable function is continuous, but the converse is not true. Learners will differentiate different type of functions like Infinite series , Parametric functions, Implicit function. from their textbook and send the solution to teachers .They will also solve from NCERT exemplar.	
	Continuity and Differentiability	Learners will learn the method of 1.differentiation of logarithmic function, differentiation of a function w.r.t. another function 2.Applies logical reasoning in Rolle's theorem Lagrange's Mean value theorem classifying proving their different properties and using them in different situations.	Exponential function https://youtu.be/gHzLHknEk1M 1.Rolle's Theorem https://youtu.be/6hrj9k_2R8o https://youtu.be/LHym1ARc2cE 2.Lagrange's Mean value Theorem https://youtu.be/InrLtU3k3Y8	Week 4 After the explanation of chapter through online class and watching the videos in Link and reading the information in Link , students will try to answer the following: 1.differentiate logarithmic function, differentiation of a function w.r.t. another function 2.Difference between Rolle's and Lagrange's Mean value Theorem 3.Application of Rolle's and Lagrange's Mean value Theorem Exercises in the textbook and exemplar problem book for Class XII will be discussed. This will help in deepening the understanding of concepts.	5.To verify Rolle's Theorem 6.To verify Lagrange's Mean value Theorem

<p>May</p>	<p>Applicati on of derivativ es</p> <ul style="list-style-type: none"> • Deriv ative as a rate meas ure • Tang ents and norm als 	<p>1. Meaning of second order derivative and its application</p> <p>2. To determine rate of change</p> <p>3. To find equation of tangent and normal to a curve</p> <p>4. To solve application problems involving implicit differentiation and related rates.</p>	<p>Second order Derivatives</p> <p>https://youtu.be/kFtg_IWB3vQ</p> <p>Derivative as a rate measure</p> <p>https://youtu.be/4IOMpqlyJEo</p> <p>https://youtu.be/h7GXmamwj_g</p> <p>Tangents and normals</p> <p>https://youtu.be/eHDUI3pNEn8</p>	<p>Week 1</p> <p>Discussion through online classes in following topics</p> <p>Meaning of second order derivative of a function</p> <p>Application of second order derivative of a function</p> <p>The variation in speed of the car can be found out by finding out the second derivative, i.e. the rate of change of speed with respect to time (second derivative of distance travelled with respect to the time). Students will represent graphically the first derivative (the slope of the function at a point) and second derivative describes how the slope changes over the independent variable in the graph. For a function having a variable slope the second derivative explains the curvature of the given graph.</p> <p>and rate measure which is defined as the rate of change of one quantity with respect to another. In terms of functions, the rate of change of function .The use of ratio of dy/dx as one of the applications of derivatives in real life and various aspects. The use of derivatives in small scale and large scale.</p> <p>Meaning of Point of Inflection, process of finding tangent and normal to a curve will be explained by solving</p>	
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				<p>various questions from textbook.</p> <p>Students will be encouraged to send context in which they have used derivatives in many ways such as</p> <p>(i) change of temperature or rate of change of shapes and sizes of an object depending on the conditions etc.</p> <p>(ii) to check the rate of change of the volume of a cube with respect to its decreasing sides.</p> <p>(iii) To find Point of Inflection for a given function</p> <p>(iv) to find tangent and normal to a curve</p>	
	<p>Application of derivatives</p> <ul style="list-style-type: none"> Increasing and decreasing functions Differentials, Error and Approximations 	<ul style="list-style-type: none"> 1.To find intervals in which function increasing /decreasing 2.To approximate values of a quantity using derivatives 	<p>Increasing and decreasing functions</p> <p>https://youtu.be/AGkTQW1qGMo</p> <p>https://youtu.be/KblYjo1ljws</p>	<p>Week 2</p> <p>Following topic will be explained through online classes</p> <p>(i) Meaning of Increasing and Decreasing Function</p> <p>(ii) Graphical representation of Increasing and Decreasing Functions</p> <p>(iii) Monotonicity of a function at a Point</p> <p>(iv) Process of finding approximation value of a function using derivatives</p> <p>Problem related to above topic will be solved.</p> <p>Students will be completing the exercises</p>	

				from textbook and NCERT Exemplar.	
	<p><i>Application of derivatives</i></p> <ul style="list-style-type: none"> • <i>Maxima and minima</i> 	<p>1.To locate local largest and smallest value of a function</p> <p>2.Apply calculus to solve business, economics, and social sciences problems</p>	<p>Maxima and minima</p> <p>https://youtu.be/Hoyv3-BMAGc</p> <p>https://youtu.be/plnFesXIfg8</p> <p>https://youtu.be/xmrhZ5ySaD0</p>	<p>Week 3</p> <p>The following activities will be performed by students after attending online classes</p> <p>To calculate the highest and lowest point of the curve in a graph or to know its turning point.</p> <p>They will use differentiation to find the maximum and minimum values of differentiable functions in their domains</p> <p>They will solve application of maxima and minima in solving some applied problems from their Textbook and NCERT Exemplar book.</p> <p>Students will send the assignment to teacher in their Whats App group.</p>	
	<p>Application of derivatives</p>	<p>Learners will be able to solve all type of questions based on application of derivatives</p>		<p>Week-4</p> <p>Students will solve following type of questions</p> <p>To calculate the profit and loss in business using graphs.</p> <p>To check the temperature variation.</p> <p>To determine the speed or distance covered such as miles per hour, kilometre per hour etc.</p>	<p>7.To understand the concepts of local maxima, local minima and point of inflection</p> <p>To construct an open box of maximum volume from a given rectangular sheet by cutting equal</p>

				<p>Derivatives are used to derive many equations in Physics.</p> <p>Miscellaneous Exercise of Text book will be solved which contains all type of questions of application of derivatives</p>	squares from each corner
June	Indefinite Integration	<p>Students will be able to Interpret</p> <ul style="list-style-type: none"> • The constant of integration graphically • Use basic anti differentiation techniques • Fundamental Integration formula • Standard result of Integration • Integration of Trigonometric functions, Exponential functions, • Different method of Integration like Integration by substitution • Evaluation of Integrals of different forms 	<p>https://youtu.be/Mv-027KEqU</p> <p>https://youtu.be/i5hUQVwtock</p> <p>https://youtu.be/EKvHQc3QEow</p>	<p>Week I</p> <p>Students will do the following activities after attending on line class</p> <p>Geometrical interpretation of Indefinite Integral</p> <p>Comparison between differentiation and Integration</p> <p>They will learn some Elementary standard Integrals and integrate various problem based on those formulae.</p> <p>They will also integrate various sums with different method of Integration like substitution method. different forms of Integration.</p> <p>Students will solve EX - 7.1 and 7.2 and 7.3</p>	

Indefinite Integration	<ul style="list-style-type: none"> Integration by Partial fraction Integration by Parts 	<ul style="list-style-type: none"> Integration by Partial fraction Integration by Parts 	https://youtu.be/_Uw1SXPW7s https://youtu.be/1nXS03P0yZ8 https://youtu.be/D5saBfhV2i0	Week -2 Students will be integrating different type of functions from textbook after attending online classes . They will send the assignment of Indefinite integration through the link provided by teachers. Students will solve EX 7.4 , 7.5 and 7.6 They will prepare a chart which reflects the rule of Integration of partial fraction.	
Indefinite Integration	<ul style="list-style-type: none"> Special type of integration Integrals reducible to the form $\int \frac{1}{\sqrt{ax^2 + bx + c}}$ $\int \sqrt{ax^2 + bx + c} dx$ $\int \frac{px + q}{ax^2 + bx + c} dx$	<ul style="list-style-type: none"> Special type of integration Integrals reducible to the form 	https://youtu.be/wsiIuIjZFs https://youtu.be/7CeW0IzH6UE https://youtu.be/9IRH-CIApdI https://youtu.be/Izeh2pgf6xY https://youtu.be/2UBzni6okyc	Week -3 Different type of questions based on various form will be explained in online class and assignment on Indefinite Integration will be sent by students. Students will solve EX - 7.7.7.8 and 7.9 . Miscellaneous Exercise will be solved by teacher and then the CBSE questions based on indefinite Integration will be solved.	
Definite Integration	Students will be able to learn <ul style="list-style-type: none"> Fundamental theorem of integral calculus Algorithm of definite Integral Evaluation of definite integrals by 	Students will be able to learn <ul style="list-style-type: none"> Fundamental theorem of integral calculus Algorithm of definite Integral Evaluation of definite integrals by 	https://youtu.be/i5hUQVwtock https://youtu.be/WNt07UV4QZ4 https://youtu.be/-3ZDmJaelns https://youtu.be/lGdAprRYWks https://youtu.be/HwQBGNXhhCU https://youtu.be/fpvP3FxFHUw	Week- 4 <ul style="list-style-type: none"> The concept of definite integration will be discussed. Learners will solve sums on definite integration. Exercises in the textbook and exemplar problem book for Class XII will be discussed. This will help in deepening the 	8.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.

		substitution method		<p>understanding of concepts.</p> <ul style="list-style-type: none"> The concept of definite integration will be discussed. Learners will solve sums on Properties of definite integration. Exercises in the textbook and exemplar problem book for Class XII will be discussed. This will help in deepening the understanding of concepts. 	
July	Application of Integration	Properties of definite Integration	<p>https://youtu.be/estH4XPKhVU</p> <p>https://youtu.be/ttGhFCfLjT0</p> <p>https://youtu.be/mu4YHclzTeE</p>	<p>Week-1</p> <p>The application of integration will be discussed.</p> <p>The area under the curve bounded by different curves like parabola, ellipse, circle and straight lines.</p>	
	Application of Integration	Leibnitz Theorem	<p>https://youtu.be/UcNwuIS1080</p> <p>https://youtu.be/_4Xa0zK4VOA</p>	<p>Week-2</p> <p>Students will be solving problems related to application of Integration.</p> <p>They will solve problems and send the solution to give</p>	
	Differential Equation	<p>Learner will able to learn</p> <ul style="list-style-type: none"> Definition of differential equation Order and degree of differential equation 	<p>https://youtu.be/4PEb9051fkg</p>	<p>Week-3</p> <p>1. Learners in Mathematics class may be involved using the available resources, such as, textbooks available on e-pathshala, e-resources available on QR codes etc., in understanding</p>	

				the procedure of evaluating order, degree of a differential equation.	
	Differential Equation	<ul style="list-style-type: none"> • Procedure of formation of differential equation 	https://youtu.be/ZLvbAdpRytI	Week 4 They will also form differential equation from general equation. They will be able to solve general equation and particular equation of a differential equation.	
August	Differential Equation	<ul style="list-style-type: none"> • Procedure of solution of differential equation • Variable and separable method • Meaning of Homogeneous differential method • Method of solving Homogeneous differential equation 	https://youtu.be/4wSQyH5fAI https://youtu.be/YPNoozonpNE	Week 1 Learners may explore videos on YouTube to find out type of differential equation. Through online class and videos on YouTube learners will find out the meaning of homogeneous differential equation. They will solve homogeneous differential equation from textbook and show to teachers for checking.	
		<ul style="list-style-type: none"> • Solution of first order and first degree differential equation • Method of solving first order and first degree differential equation • Application of 	https://youtu.be/tjC CAhx2huI https://youtu.be/YoD2OLeFsU4 https://youtu.be/Nh-rboqSsgE https://youtu.be/KO31Cex2Cck	Week-2 1. The learner may be facilitated with the YouTube video links and to surf the internet to collect the information about the first order and first degree differential equation and may be encouraged to self-assess with the interactive assessment items. 2. Learners may be involved to find application of differential equation in daily life.	

		differential equations		<p>3. Learners may be involved in a project on the topic</p> <p>“Form a differential equation for the growth of bacteria in different environments”.</p>	
	Probability	<p>They will be able to learn the meaning of</p> <ul style="list-style-type: none"> • Random experiment • Elementary event • Sample space • Mutually Exclusive Events • Exhaustive events • Conditional probability <p>They will be able to solve</p> <ul style="list-style-type: none"> • Problems based upon the meaning of conditional probability • Problems based upon the multiplication theorems on probability • Properties of conditional probability 	<p>https://youtu.be/oEvF9O2bE1s</p> <p>https://youtu.be/sQYrEEvGxjA</p> <p>https://youtu.be/x7SUgS9gUzE</p> <p>https://youtu.be/6jGWQzqhvt0</p> <p>https://youtu.be/liyMYkARQuk</p>	<p>Week 3</p> <p>Discussion may be initiated about Probability which students have already studied in previous classes. The learners may be sent some questions about probability and may be asked to respond online.</p> <ul style="list-style-type: none"> • Learners may be encouraged to solve sums from exercise 	<p>9.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.</p>
		They will understand the	https://youtu.be/Fj7rYYn8shw	<p>Week 4</p> <ul style="list-style-type: none"> • Learners may be encouraged to create their 	

		<p>meaning and application of</p> <ul style="list-style-type: none"> • Total probability theorem • Baye's Theorem <p>They will able to calculate</p> <ul style="list-style-type: none"> • Mean and variance of random variable • Probability distribution • On finding the probability of the occurrence of an event given number of times in a series of independent trials 	<p>https://youtu.be/qitFfj9qZZs</p> <p>https://youtu.be/RPoSNwoL-4g</p>	<p>own problems besides solving problems from the exercises.</p> <ul style="list-style-type: none"> • Learners may be given questions in which they would be drawn towards observing things around them. <p>Projects may be assigned to learners on the topic "Collection of statistical data and analysing it for standard deviation and mean deviation"</p> <p>Students will give presentation of the project on google meet.</p>	
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CLASS : XII
Subject: PHYSICS

Books Recommended: NCERT Text book

Month	Chapter And Content	Learning Outcomes	Sources/Resources Text book/ Ref. books/ e-resources/useful links	Week-wise Suggestive Activities (to be guided by teachers/parents)	Subject Enrichment Activity/ ART Integrated Activity
April	Chapter1: Electric charges and fields Conservation of charge, coulomb's law of electrostatic, forces between electric charges	Student's will be able to learn the following things (1) Calculation of repulsive and attractive force between charges. (2) Statement of superposition principle of forces on electric charges.	1) Physics Part –I Textbook for class XI NCERT Publication 2) Concept of Physics Part-I Bharti Bhawan 3) https://diksha.gov.in/help/getting-started/diksha-mobile-app/	Week 1: Students will learn the solutions of electric force related problems.	Activity: Principle of superposition of forces
	Chapter 1: Electric field and field lines, electric field due to point charges.	Learners will get the concept about the orientation of field lines and dipole		Week 2 Diagram of field lines will be drawn with the help of teacher.	
	Chapter 1: Field due to electric dipole, torque on a dipole	Students will learn about the torque acting on a dipole and its calculation.	1) Physics Part –I Textbook for class XI NCERT Publication 1) Physics Part –I Textbook for class XI NCERT Publication 2) Concept of Physics Part-I Bharti Bhawan 3) https://diksha.gov.in/help/getting-started/diksha-	Week 3 Identification of electric dipole will be done with the help of a teacher	Activity: Electric dipole.

			mobile-app/ 2) Concept of Physics Part-I Bharti Bhawan 3) https://diksha.gov.in/help/getting-started/diksha-mobile-app/		
	Chapter 1: Electric flux and Gauss's theorem and its application	Concept of electric flux will be understood by the students Student's will learn about gauss's theorem		Week 4 Student's will learn the calculation of electric field due to different charge distribution.	
MAY	Chapter 2: Electrostatic potential and capacitance. Electric potential and electrostatic energy, potential due to point charge	Student's will familiar about different types of potential energies, particularly electrostatic potential energy. Student's will also aware about potential energy of a system of charges.	1) Physics Part –I Textbook for class XII NCERT Publication 2) Concept of Physics Part-II Bharti Bhawan	Week 1: Student's will be instructed to solve the problems from ncert textbook.	
	Chapter 2: Dielectric, polarisation of a dielectric, Conductors and insulators	Learners will able to give the definition of dielectric and polarization.	1) Physics Part –I Textbook for class XII NCERT Publication 2) Concept of Physics Part-II Bharti Bhawan	Week 2: Identification of dielectric, conductor, insulator will be done with the help of teacher.	
	Chapter 2: Concept of capacitor and its working principle, calculation of capacitance of a parallel pla	Student's will be able to learn about capacitance and derivation in case of a parallel plate capacitor. The variation of capacitance in the presence of		Week 3 & 4 Exercise in the textbook and exemplar problems will be solved and discussed by the teacher. Student's may also	Activity: Making of parallel plate capacitor

		dielectric will also be identified by the students.		make capacitor with the help of teacher.	
JUNE	Chapter 3: Current electricity. Concept of drift velocity and mobility, drift current and current density	Causes of current flow through a conductor will be known by the students. Students will also be able to learn the difference between resistivity and conductivity	1) Physics Part –I Textbook for class XII NCERT Publication 2) Concept of Physics Part-II Bharti Bhawan	Week 1 & 2 Student's may find the relationship between drift velocity and drift current. Exercise problems will be solved by the students, they may also solve the problems of different competitive exams.	Activity: Verification of Ohm's law
	Chapter 3: Concept of a cell, difference between emf and potential difference across of a cell. combination of cells	Learns will make the series and parallel combination of cells Graph related to emf vs current will be explained	1) Physics Part –I Textbook for class XII NCERT Publication 2) Concept of Physics Part-II Bharti Bhawan 3) https://www.youtue.com/watch?v=oNCIgGg-EhU	Week 3 & 4 Students will suggest to compare the emf and potential difference of a cell. Power point presentation on combination of cells will be done by students.	
JULY	Chapter 4: Moving charges and Magnetism. Oersted's experiment, Biot-savart law and application of it .	Student's will know about the magnetic field due to circular coil, Student's also learn about ampere's law and calculate the magnetic field due to straight conductor.	1) Physics Part –I Textbook for class XII NCERT Publication 2) Concept of Physics Part-II Bharti Bhawan 3) https://www.youtube.com/watch?v=oNCIgGg-EhU	Week 1 & 2: Students will be suggested to conduct the Oersted experiment regarding magnetic effect of current. Exercise problems will be discussed in the class.	
	Chapter 4: Concept of solenoid and toroid	Application of amperes law will be learned by the	1) Physics Part –I Textbook for class XI NCERT Publication	Week 3: Student's will be instructed to make	Activity: Making of solenoid

	,magnetic field due to solenoid ,Lorentz force, Cyclotron Galvanometer.	student's in case of solenoid and toroid. Students also learn about the working principle of a cyclotron and galvanometer.	2) Concept of Physics Part-I Bharti Bhawan 3) https://diksha.gov.in/help/getting-started/diksha-mobile-app/	solenoid I the lab . Student's prepare a ppt on the working principle of cyclotron.	by the students.
	Chapter 4: Galvanometer as an ammeter and voltmeter, voltage and current sensitivity of galvanometer	Learners will come to know the conditions to convert galvanometer into voltmeter and ammeter Students will also come to know about the figure of merit and current sensitivity	1) Fundamentals of physics – Halliday, Resnic. 2) Text book of ncert part-I	Week 4: Conversion of galvanometer into voltmeter and ammeter experiment will be done in the lab.	Activity: Conversion of galvanometer into voltmeter.
August	Chapter 6: Electromagnetic induction. Magnetic flux, Fraday's law of electromagnetic induction, Lenz's law and self induction. Mutual induction.	Students will come to know about the electromagnetic phenomena and Faraday's law, self induction	1) Physics Part –I Textbook for class XI NCERT Publication 2) Concept of Physics Part-I Bharti Bhawan 3) https://diksha.gov.in/help/getting-started/diksha-mobile-app/	Week 1: ncert exercise problems will be solved with the help of students. Demonstration of electromagnetic induction by the teacher.	
	Chapter 6: Self induction of solenoid, mutual induction, eddy currents. Introduction of alternating current and voltage	Learners will get an idea about self induction of solenoid and mutual induction phenomena.		Week 2: Students will get to know the difference between self –induction and mutual induction.	Activity: Eddy current phenomena and its application.

	<p>Chapter 7: Alternating current. RMS and mean value of current, phase difference between voltage and current. Impedance and reactance of L-R, C-R circuit.</p>	<p>Students will be able to learn about rms and mean value of current .</p> <p>Concept of phase difference and impedance will be learnt by the students.</p>	<p>1) Physics Part –I Textbook for class XII NCERT Publication</p> <p>2) Concept of Physics Part-II Bharti Bhawan</p> <p>3) https://www.youtube.com/watch?v=0NCIgGg-EhU</p> <p>1) Physics Part –I Textbook for class XI NCERT Publication</p> <p>2) Concept of Physics Part-I Bharti Bhawan</p> <p>3) https://diksha.gov.in/help/getting-started/diksha-mobile-app/</p>	<p>Week3: Difference between dc and ac will be understood by the students.</p> <p>Problems of L-R and C-R circuit will be solved by the students.</p>	
	<p>Chapter 7: Series LCR circuit, resonance condition, band width, AC generator.</p> <p>Chapter 8: Electromagnetic waves. Sources, displacement current and wave spectrum</p>	<p>Students get to know about resonance condition in a series LCR circuit and resonance curve.</p> <p>Students will come to know about displacement current, wave spectrum</p>	<p>1) Physics Part –I Textbook for class XI NCERT Publication</p> <p>2) Concept of Physics Part-I Bharti Bhawan</p> <p>3) https://diksha.gov.in/help/getting-started/diksha-mobile-app/</p>	<p>Week 4: Working model of AC generator will be demonstrated in front of the students.</p> <p>Students will compare the resonance curve for different LCR circuit.</p>	<p>Activity: Making of an AC generator</p>

CLASS : XII

Subject: CHEMISTRY

Books Recommended: NCERT Text Book For Class XII Chemistry New Edition Part I & Part II

Month	Chapter & Content	Learning Outcomes	Sources/Resources /Ref. Books/e-Resources/ Useful links	Week-wise suggestive activities (to be guided by the Teacher)	Sub. Enrichment /Art Integrated Activity
April	Unit-2 Solution	<p>Students would be able to- describe the formation of different types of solutions</p> <ul style="list-style-type: none"> • express concentration of solution in different units • state and explain Henry's law and Raoult's law • distinguish between ideal and non-ideal solutions; • Understand & explain deviations of real solutions from Raoult's law • comprehend colligative properties of solutions and correlate these with molar masses of the solutes • explain abnormal 	<p>E-Resources developed by NCERT, which are available on NROER and also attached as QR Codes in textbooks of NCERT http://ncert.nic.in/rts</p> <p>Live telecast of various science concepts at <i>Swayam Prabha</i> Channel www.diksha.gov.in</p> <p>Week-1</p> <p>https://www.youtube.com/watch?v=9JtTpPEesOk – Henry Law (variation of temp with KH)</p> <p>https://www.youtube.com/watch?v=9JtTpPEesOk - Henry Law and solubility of gas</p> <p>https://byjus.com/jee/raoult-law/</p> <p>https://www.youtube.com/watch?v=TU9ZKcz0VAI - deviation from Raoult's Law</p> <p>https://www.youtube.com/watch?v=nich_rwo4hQ - deviations from Raoult's Law</p> <p>https://www.youtube.com/watch?v=mVOfpLk5Vdw - Ideal & Nonideal solutions (OPT)</p> <p>Week-2</p> <p>https://www.youtube.com/watch?v=jXJIFSPnYsc</p> <p>Deviation</p>	<p>Week-1</p> <p>Learner may try to make a list of different types of solution using their previous knowledge & referring the concept of solution given in the textbook which will make them realise the importance of chapter.</p> <p>Learner may refer to the Text Book & discuss the difficulty areas related to units to express concentration of solution in the WhatsApp Group. A brief summary on units of concentration along with approach to solve the numerical based on it will be provided to students either through email or WhatsApp. Learner will try to solve the numericals given in the textbook & in the Exemplar class XII.</p> <p>Learner after seeing the links may go through the text material and post the doubts in the WhatsApp group through which classmates can communicate with each other. Teacher will be appreciating for correct response & simultaneously posting the additional material for better understanding of the concept either through email or through WhatsApp.</p> <p>Week-2</p> <p>Brain Storming-a discussion on what they have learnt.</p>	Mind Map
	<p>Types of solution</p> <p>Units to express conc. Of solution</p> <p>Henry's Law, Raoult's Law</p> <p>Ideal & NonIdeal solution</p> <p>Deviation of real solution from Raoult's law</p> <p>Colligative properties Of solution & calculation of molar mass of the solutes</p> <p>Abnormal Colligative properties</p>				

		colligative properties exhibited by some solutes in solutions	<p>https://www.youtube.com/watch?v=gcrVBb86VMQ simple tricks to remember the examples of +ve and –ve deviation from Ideality</p> <p>https://www.youtube.com/watch?v=9Huc-y2iuhw - Azeotrope</p> <p>https://www.youtube.com/watch?v=LoxxG0Og6Mk –activity on freezing point depression</p> <p>https://www.youtube.com/watch?v=Pjw9oIKQLwE - Freezing point depression</p> <p>https://diksha.gov.in/ncert/play/content/do_3130193170038784001314?contentType=ExperientialResource</p>	<p>Communication and brainstorming: Students develop effective communication skills and learn to put across their views.</p> <p>Collaboration: ppt and Digital Content would be made by students.</p> <p>Students learn to work in collaboration to achieve a common goal. They learn to manage time and divide and delegate work and responsibilities.</p> <p>Creativity and innovation Students use the knowledge given in video links to create projects and models and give innovative solutions to the problem studied.</p> <p>Guided practice followed by Independent Practice- NCERT questions to be discussed in the online class: Helps students to think critically and solve the given problem</p> <p>Techniques to be used: Daily Practice Problem-MCQ Peer Assessment</p> <p>Character and citizenship: Group discussion helps to develop interpersonal skills, respecting and valuing views of others</p> <p>Independent Practice: Students would do the given questions in their H.W Copy Solve example questions, intext questions, Exercise Qs For verifying solutions, they can visit the following link. https://www.learnbse.in/ncert-solutions-for-class-12-chemistry-solutions/ns/</p>	
April	Unit-3 Electrochemistry An electrochemical cell and difference	Students would be able to- describe an electrochemi	<p>Week-3 E-resources www.diksha.gov.in www.ncert.nic.in</p> <p>Links- https://www.youtube.com/watch?v=ImV8Lyujjq</p>	<p>Week-3 Introduction of the chapter On online mode through a Brain Storming activity- students will be asked to prepare a list of cells that they use in their daily life&they</p>	

	<p>ce between galvanic and electrolytic cells</p> <p>Nernst equation for Calculation of the emf of galvanic cell</p> <p>standard potential of the cell relation between standard potential of the cell ,Gibbs energy of cell reaction and its equilibrium constant resistivity conductivity and molar conductivity of ionic</p>	<p>cal cell and differentiate between galvanic and electrolytic cells</p> <ul style="list-style-type: none"> • apply Nernst equation for calculating the emf of galvanic cell and define standard potential of the cell • derive relation between standard potential of the cell Gibbs energy of cell reaction and its equilibrium constant •define resistivity (ρ), conductivity (κ) and molar conductivity of ionic solutions; • differentiate between ionic electrolytic and electronic conductivity • describe the method for measurement of conductivity of electrolytic solutions and calculation of their molar conductivity • justify 	<p><u>Y</u></p> <p><u>https://www.youtube.com/watch?v=xDITrdbajAs</u></p> <p><u>https://www.youtube.com/watch?v=WjsCFPrQzkU</u></p> <p><u>https://www.youtube.com/watch?v=C26pH8kCWk</u></p> <p><u>https://www.khanacademy.org/science/chemistry/oxidation-reduction/cell-potentials-under-nonstandard-conditions/v/using-the-nerst-equation</u></p> <p><u>https://www.khanacademy.org/test-prep/mcat/physical-processes/intro-electrochemistry-mcat/v/nerst-equation-edited</u></p> <p><u>https://www.youtube.com/watch?v=LqAfREfwt1Y</u></p> <p><u>https://www.youtube.com/watch?v=ju61QIC5q9k</u></p>	<p>would also be told the significance of the topic that they would be studying.</p>	
<p>April</p>	<p>solutions ionic electrolytic & electronic Conductivity measurement of conductivity of electrolytic solutions and calculation of their molar conductivity variation of</p>	<p>differentiate between ionic electrolytic and electronic conductivity</p> <ul style="list-style-type: none"> • describe the method for measurement of conductivity of electrolytic solutions and calculation of their molar conductivity • justify 	<p>Week-4</p> <p><u>https://www.youtube.com/watch?v=knwd0mdRwP4</u></p> <p><u>https://www.youtube.com/watch?v=nQ5bVq4IsjU</u></p> <p><u>https://www.youtube.com/watch?v=L93iZtVtVs0</u></p> <p><u>https://www.youtube.com/watch?v=VIO-rjoXeT0</u></p> <p><u>https://www.youtube.com/watch?v=c9ODb1qCiiQ</u></p> <p><u>https://www.youtube.com</u></p>	<p>Week-4</p> <p>Learner will be involved using available resources. Explore the videos, read the content of NCERT& exchange their ideas in WhatsApp Group. Peer Learning should be encouraged by the teacher.</p> <p>Communication and brainstorming: Students develop effective communication skills and learn to put across their views.</p> <p>Collaboration: Students learn to work in collaboration to achieve a common goal. They learn to manage time .</p> <p>Creativity and innovation Students use the knowledge</p>	<p>Concept Map</p>

	<p>conductivity and molar conductivity of solutions with change in their concentration and molar conductivity at zero concentration or infinite dilution Kohlrausch law and its applications quantitative aspects of electrolysis construction of some primary and secondary batteries and fuel cells corrosion as an electrochemical process.</p>	<p>the variation of conductivity and molar conductivity of solutions with change in their concentration and define molar conductivity at zero concentration or infinite dilution</p> <ul style="list-style-type: none"> • enunciate Kohlrausch law and learn its applications • understand quantitative aspects of electrolysis describe the construction of some primary and secondary batteries and fuel cells • explain corrosion as an electrochemical process 	<p>m/watch?v=c0qtIQn6cME https://www.youtube.com/watch?v=q_HnqqDIAKQ https://www.youtube.com/watch?v=6usBfWVOZls https://www.youtube.com/watch?v=ISq_WVC6Hiw https://www.youtube.com/watch?v=kRZ_vixUfsM https://www.youtube.com/watch?v=D-97gsaUpb8 https://www.youtube.com/watch?v=T4pSufI09fk https://www.youtube.com/watch?v=m8t4btjJd5Y</p>	<p>given in online class & from the provided links and create projects and give innovative solutions to the problem studied. Guided practice followed by Independent Practice- NCERT questions to be discussed in the online class Helps students to think critically and solve the given problem Techniques to be used: Daily Practice Problem MCQ Peer Assessment Character and citizenship: Group discussion helps to develop interpersonal skills, respecting and valuing views of others. Teacher will be helping in Clarification of HOTS QS. For more practice students Must solve Qs of Exemplar & Previous year QS/MCQ given in Diksha platform</p>	
<p>May</p>	<p>Unit 10 Haloalkane & Haloarenes Naming of Haloalkane & Haloarene According to IUPAC System Reaction</p>	<p>Students would be able to correlate the structures of haloalkanes and haloarenes with various types of reaction know and understand</p>	<p>E-Resources developed by NCERT, www.diksha.gov.in. CBSE Exemplar Peter Syke Solomn & Fryle Week-1 https://www.youtube.com/watch?v=zNxPngVqa4o -Haloalkane https://www.youtube.com/watch?v=wBVnR2RQw3s - Lucas Test</p>	<p>Week-1 After visiting the video links & attending online classes, Students will go through the text material. Areas of difficulty will be simplified by the teacher in different platform. Students will be encouraged By the teacher to post their queries in the common platform & try to answer each other doubts in different questions to encourage active involve</p>	<p>Concept Map</p>

	for Preparation of Haloalkane & Haloarene	Preparation and reaction of haloalkanes and haloarenes. Use of stereochemistry to	https://www.youtube.com/watch?v=4LQ8jdKZTEo Elimination reaction https://www.youtube.com/watch?v=k81pmfpKwIE Isomerism https://www.youtube.com/watch?v=paEjN_KWf_w	involvement.	
May	Stereochemistry Application of Organometallic compound Polyhalogen compound	Understand the mechanism of nucleophilic substitution Solve problems based on chemical reaction of haloalkanes Questions based on conversions Application of organometallic compound Environmental effect of polyhalogens compound	Week-2 Enantiomer & Diastereomer https://www.youtube.com/watch?v=8TIZdWR4gIU Optical Isomer https://www.youtube.com/watch?v=JS-iAuClExk Chirality https://www.youtube.com/watch?v=h5xvaP6bIZI-SN2 https://www.youtube.com/watch?v=JmcVgE2WKB E-SN1 https://www.youtube.com/watch?v=NaQu9GhkGc-Optical isomer https://www.youtube.com/watch?v=pKJ0z7N6W5w	Week-2 Brain Storming -The class would start with a discussion on what the students have already learnt in the previous classes and hence what is it that they would learn now. They would also be told the significance of the topic that they would be studying. Communication and brainstorming: Students develop effective communication skills and learn to put across their views. NCERT questions to be discussed in the classroom. : Helps students to think critically and solve the given problem Techniques to be used: Self Study, HomeWork, Assignments ,MCQ Previous year question Peer Assessment Character and citizenship: Group discussion helps to develop interpersonal skills, respecting and valuing views of others.	
	Unit-11 Alcohol Phenol Ether IUPAC Nomenclature	Students would be able to Knowledge- know and understand Preparation of alcohols from alkenes ,aldehydes, ketones and carboxylic acids.and	E-Resources developed by NCERT, www.diksha.gov.in CBSE Exemplar PeterSyke Solomn&Fryle		
May	Reactions involved in preparation		Week-3 https://www.youtube.com/watch?v=eCbKFp4d6eg Isomerism https://www.youtube.com/watch?v=S1solfaeTcc	Week-3 Brain Storming -The class would start with a discussion on what the students have already learnt in the previous classes and hence what is it that they	Mind Map

	Physical Properties Chemical reactions	their properties preparation of phenols from haloarenes benzene sulphonic acids, diazonium salts and cumene; and their properties Preparation of ether from alcohol, alkyl halide and their properties Students would be able to Understand and differentiate between Alcohol &, Phenol Solve problems based on conversions . Learn reasons Solve questions based on distinguish between organic pairs	https://www.youtube.com/watch?v=DsuWICKnuIk https://www.youtube.com/watch?v=QCe-QjB5cUs Reaction of alcohol https://www.youtube.com/watch?v=VcRdf58-o9M	would learn now. They would also be told the significance of the topic that they would be studying. Communication and brainstorming: Students develop effective communication skills and learn to put across their views.	
May			Week-4 https://www.youtube.com/watch?v=uSGy9FSeL6k Reimer Tiemann reaction https://www.youtube.com/watch?v=pMgVplZe91w Preparation of Ether https://www.youtube.com/watch?v=MZbgA0w2Ts4 Naming of Ether	Week-4 Creativity and innovation Students use the knowledge given in class & give innovative solutions to the problem studied. NCERT questions to be discussed in the classroom: Helps students to think critically and solve the given problem Guided practice followed by Independent Practice- NCERT questions to be discussed in the classroom. Techniques to be used: Daily Practice Problem MCQ Peer Assessment Character and citizenship: Group discussion helps to develop interpersonal skills, respecting and valuing views of others.	
June	Unit-1 Solid State General characteristic of Solid State Distinguish between Amorphous & Crystalline Solid	Students would be able to know and understand describe general characteristics of solid state • distinguish between amorphous	Week-1 Video Lecture- http://nroer.gov.in/5 https://diksha.gov.in/ncert/play/collection/do_31307361000887910413075?contentType=TextBook https://diksha.gov.in/ncert/play/collection/do_31307361000887910413075?contentType=TextBook https://diksha.gov.in/ncert/play/collection/do_313073	Week-1 Learner will be involved using available resources, explore videos, see the provided links to understand the Topic. Then they should be allowed to share their experiences and clarify the difficult areas taking help from the teacher. Doubt clearing sessions given by teacher on online mode &	Experiential Activity https://diksha.gov.in/ncert/play/content/

	Classification of Crystalline Solid	and crystalline solids • classify crystalline solids on the basis of the nature of binding forces	61000887910413075?contentType=TextBook https://diksha.gov.in/ncert/play/collection/do_31307361000887910413075?contentType=TextBook	through WhatsApp messages will enable the students to answer the question given in the below mentioned links.	do_31307361000887910413075?contentType=TextBook
June	Crystal Lattice & Unit Cell Close packed structure & Types of void Packing Efficiency Calculation of densities	of the nature of binding forces • define crystal lattice and unit cell • explain close packing of particles • describe different types of voids and close packed structures	Week-2 https://diksha.gov.in/ncert/play/collection/do_31307361000887910413075?contentType=TextBook https://diksha.gov.in/cbse/play/collection/do_31310347539048038411493?contentType=TextBook https://diksha.gov.in/cbse/play/collection/do_31310347539048038411493?contentType=TextBook	Week-2 https://diksha.gov.in/ncert/play/collection/do_31307361000887910413075?contentType=TextBook https://diksha.gov.in/ncert/play/collection/do_31307361000887910413075?contentType=TextBook	e=ExperientialResource - solid state
June	Imperfection in Solid & their effect on properties	• calculate the packing efficiency of different types of cubic unit cells • correlate the density of a substance with its unit cell properties • describe the imperfections in solids and their effect on properties • correlate the electrical and magnetic properties of solids and their structure.	Week-3 https://www.youtube.com/watch?v=B1JzFAD1GAo Close packing in 3D https://www.youtube.com/watch?v=JRoedz74UeQ NPTEL Lect. By IIT Delhi- Relation between radius of void & radius of atom https://www.youtube.com/watch?v=ie-KfQionjY -defects in solid https://www.youtube.com/watch?v=Z0Ks3wjFnrk- Defects in solid https://www.youtube.com/watch?v=WUqgFFmdMDI -Defects in solid https://www.youtube.com/watch?v=fEXCchZl9XM	Week-3 https://diksha.gov.in/ncert/play/collection/do_31307361000887910413075?contentType=TextBook Interaction in the chat-box during online classes & exchange of ideas to answer variety of questions through WhatsApp messages must be encouraged & appreciated.	
June	Unit-4 Chemical Kinetics Average &	Students would be able to • define the average and	Week-4 E-Resources developed by NCERT, www.diksha.gov.in	Week-4 Learner may refer to the Text Book & discuss the difficulty areas in the WhatsApp Group. A brief summary along with	

	<p>Instantaneous rate of a reaction</p> <p>Expression for Rate of reaction</p> <p>Distinction between Elementary & complex reaction</p> <p>Molecularity & Order of Reaction</p> <p>Definition of Rate Constant</p> <p>Dependence of rate on concentration</p>	<p>instantaneous rate of a reaction</p> <ul style="list-style-type: none"> express the rate of a reaction in terms of change in concentration of either of the reactants or products with time distinguish between elementary and complex reactions differentiate between the molecularity and order of a reaction 	<p>CBSE Exemplar https://www.youtube.com/watch?v=qo0TUPNMf_8</p> <p>https://www.khanacademy.org/science/high-school-biology/hs-energy-and-transport/hs-enzymes/v/introduction-to-kinetics</p> <p>https://ocw.mit.edu/course/s/chemistry/5-60-thermodynamics-kinetics-spring-2008/video-lectures/lecture-30-introduction-to-reaction-kinetics/</p>	<p>approach to solve the numerical based on it will be provided to students either through email or WhatsApp. Learner will try to solve the numericals given in the textbook & in the Exemplar class XII.</p> <p>Learner after seeing the links may go through the text material and post the doubts in the WhatsApp group through which classmates can communicate with each other. Teacher will be appreciating for correct response & simultaneously posting the additional material for better understanding of the concept either through email or through WhatsApp.</p>	
July	<p>Derivation of integrated rate equation for zero & 1st order reaction</p> <p>Determination of Rate constant for zero & 1st order reaction</p>	<ul style="list-style-type: none"> define rate constant discuss the dependence of rate of reactions on Concentration temperature and catalyst derive integrated rate equations for the zero and first order reactions determine the rate constants for zeroth and first order reactions describe collision theory 	<p>Week-1 https://www.youtube.com/watch?v=irJ4ANrUXPI https://www.youtube.com/watch?v=uTFtaslJOLM</p> <p>https://www.youtube.com/watch?v=KwQhIJWQyOo</p> <p>https://www.youtube.com/watch?v=YbWT-0-LNE&list=PL9BWoos4bP5dWeHtg2Tavcb88Lzlc1faD&index=4</p> <p>https://www.khanacademy.org/science/ap-chemistry/kinetics-ap/arrhenius-equation-mechanisms-ap/v/catalysts</p>	<p>Week-1 Brain Storming-a discussion on what they have learnt . Communication and brainstorming: Students develop effective communication skills and learn to put across their views. Creativity and innovation Students use the knowledge given in video links to give solutions to the problem studied. Guided practice followed by Independent Practice- NCERT questions to be discussed in the online class: Helps students to think critically and solve the given problem Techniques to be used: Daily Practice Problem-MCQ Peer Assessment</p>	Mind Map

<p>July</p>	<p>Unit-5 Surface Chemistry</p> <p>Interfacial Phenon&its significance</p> <p>Definition of adsorption &its classification</p> <p>Mechanism of Adsorption</p>	<p>Students would be able to</p> <p>Differentiate between adsorption and absorption</p> <ul style="list-style-type: none"> •Classify adsorption into physical and chemical adsorption • Explain mechanism of adsorption • Explain the factors affecting physisorption and chemisorption 	<p>Week-2</p> <p>E-Resources developed by NCERT, which are available on NROER and also attached as QR Codes in textbooks of NCERT http://ncert.nic.in/rts</p> <p>Live telecast of various science concepts at <i>Swayam Prabha</i> Channel</p> <p>www.diksha.gov.in</p>	<p>Week-2</p> <p>Learner will be involved using available resources, explore videos, see the provided links to understand the Topic. Then they should be allowed to share their experiences and clarify the difficult areas taking help from the teacher.</p> <p>Doubt clearing sessions given by teacher on online mode& through WhatsApp messages will enable the students to answer the question given in the textbook &in the Exemplar class XII.</p>	
<p>July</p>	<p>Factors controlling adsorption</p> <p>Freundlich Adsorption isotherm</p> <p>Nature of colloidal state</p> <p>Preparation Properties &purification of colloid</p> <p>Uses of Colloid</p>	<p>• Explain the factors affecting adsorption of solute from solutions on solids</p> <ul style="list-style-type: none"> • Explain Freundlich adsorption isotherms Explain the nature of colloidal state • Classify colloids on the basis of physical state and nature of interaction between dispersed phase and dispersion medium, and the type of particles of dispersed phase • Describe methods of preparation 	<p>Week-3</p> <p>https://www.youtube.com/watch?v=oKuX2e9-qZ0</p> <p>https://www.youtube.com/watch?v=KWDnRZiO2w</p> <p>https://www.youtube.com/watch?v=YzagqW3BRI4</p> <p>https://www.youtube.com/watch?v=qKV932IXgq0</p> <p>https://www.youtube.com/watch?v=KhOJQVaX7uc&t=204s</p> <p>https://www.youtube.com/watch?v=qKV932IXgq0</p> <p>https://www.youtube.com/watch?v=pveZyUxJsa8</p> <p>https://www.youtube.com/watch?v=RrJjmV2ml1s</p>	<p>Week-3</p> <p>Learner will be involved using available resources, explore videos, see the provided links to understand the Topic. Then they should be allowed to share their experiences and clarify the difficult areas taking help from the teacher.</p> <p>Students develop effective communication skills and learn to put across their views.</p>	
<p>July</p>			<p>Week-4</p> <p>https://www.youtube.com/watch?v=FRX_UABBDKU</p> <p>https://www.youtube.com</p>	<p>Week-4</p> <p>After visiting the video links& attending online classes, Students will go through the text material. Areas of difficulty will be simplified by the teacher</p>	

		<p>and purification of Colloids</p> <ul style="list-style-type: none"> • Understand the mechanism of micelle formation • Know how the soaps clean our clothings <p>Describe the colligative, properties of colloids</p> <ul style="list-style-type: none"> • Understand the important processes such as Tyndall effect, Brownian movement and electrophoresis • Know about the protection of colloids • List the uses of colloids 	<p>m/watch?v=DoUMm4G4gL0</p> <p>https://www.youtube.com/watch?v=h0DCUpJze2U</p> <p>https://www.youtube.com/watch?v=tT33Oo5abMg</p> <p>https://www.youtube.com/watch?v=9-i360iLjEo</p> <p>https://www.youtube.com/watch?v=t5uZwBqjc44</p> <p>https://www.youtube.com/watch?v=8Xcpq6e8pBY</p> <p>https://www.youtube.com/watch?v=Cc-IT6wh4JQ&t=25s</p>	<p>in different platform.</p> <p>Students will be encouraged By the teacher to post their queries in the common platform &try to answer each other doubts in different questions to encourage active involvement</p> <p>Self Study, HomeWork, Assignments ,MCQ Previous year question Peer Assessment</p>	Mind Map
August	<p>Unit-7 P -Block Elements</p> <p>General Trend in the chemistry of elements of Groups 15 to 18</p> <p>Preparation , Properties & uses of dinitrogen, phosphorous & some of their</p>	<p>Students would be able to Know&Understand Atomic properties of gr 15 to gr 18 elements.</p> <p>Comprehend Physical and chemical properties of their compounds</p> <p>Explain Methods of</p>	<p>Week-1</p> <p>E-Resources developed by NCERT, which are available on NROER and also attached as QR Codes in textbooks of NCERT http://ncert.nic.in/rts</p> <p>Live telecast of various science concepts at <i>Swayam Prabha</i> Channel www.diksha.gov.in</p>	<p>Week-1</p> <p>After visiting the video links& attending online classes, Students will go through the chapter given in the text book . Areas of difficulty will be simplified by the teacher in different platform.</p> <p>Students will be encouraged By the teacher to post their queries in the common platform &try to answer each other doubts in different questions to encourage active involve involvement.</p>	
		<p>Explain Methods of</p>	<p>Week-2</p> <p>https://www.examfear.com/free-video-lesson/Class-</p>	<p>Week-2</p> <p>The class would start with a discussion on what the</p>	

	<p>important compound</p> <p>Preparation , Properties & uses of dioxygen, ozone & chemistry of simple oxides.</p> <p>Allotropes of Sulphur, chemistry of some important compound & structure of its oxoacids</p>	<p>preparation of their compounds and reactivity.</p> <p>structure of oxy acids of phosphorous, Sulphur</p> <p>Properties of Xenon compounds</p> <p>Understand the anomalous behavior of nitrogen , oxygen and fluorine and their reactivity</p>	<p>11/Chemistry/The-P-Block-Elements/part-1.htm https://www.khanacademy.org/science/ap-chemistry/periodic-table-of-elements-ap/v/periodic-table-transition-metals https://chem.libretexts.org/Bookshelves/Inorganic_Chemistry/Supplemental_Modules_(Inorganic_Chemistry)/Descriptive_Chemistry/Elements_Organized_by_Block/2_p-Block_Elements/Group_13%3A_The_Boron_Family</p>	<p>students have already learnt in the previous classes and hence what is it that they would learn now.</p> <p>They would also be told the significance of the topic that they would be studying.</p> <p>Students develop effective communication skills and learn to put across their views.</p> <p>NCERT questions to be discussed in the classroom.</p>	
Aug	<p>Preparation properties uses of Cl₂&HCl</p> <p>Chemistry of inter halogens & structure of oxoacids of halogen</p>	<p>Solve problems based on chemical properties Reasoning questions based on their atomic properties.</p>	<p>Week-3 https://www.simply.science/chemistry/metals-and-non-metals/boron-family/properties-of-iii-a-elements https://www.britannica.com/science/boron-chemical-element https://www.nios.ac.in/media/documents/313courseE/L21.pdf</p>	<p>Week-3 Group discussion helps to develop interpersonal skills, respecting and valuing views of others</p> <p>Interaction in the chat-box during online classes & exchange of ideas to answer variety of questions through WhatsApp messages must be encouraged & appreciated.</p>	Concept Map
Aug	<p>Noble Gases</p> <p>Importance of these element & their compound in day to day life.</p>	<p>Solve questions pertaining to chemical properties and structure</p>	<p>Week-4 https://www.youtube.com/watch?v=ZaJitB5di4&t=162s- https://www.youtube.com/watch?v=kK2kWmXlezM https://www.youtube.com/watch?v=8qpeJ0ZLcoY-oxoacids</p>	<p>Week-4 Self Study, HomeWork, Assignments ,MCQ Of Exemplar,NCERT QS Previous year question .</p>	

CLASS :XII

Subject: COMPUTER SCIENCE

Books Recommended: Computer Science with Python by Preeti Arora

Month	Chapter And ontent	Learning Outcomes	Sources/Resources Text book/ Ref. books/ e-resources/useful links	Week-wise Suggestive Activities (to be guided by teachers/parents)	Subject Enrichment Activity/ ART Integrated Activity
June	Data File Handling	Students will be able to know the process to store the data through program	Text Book: Computer Science with Python by Preeti Arora Ref. Book- Computer Science with Python by Sumita Arora Link: https://www.python.org/downloads/	Week 1: Text file Concept	
				Week 2: Binary File Concept	
				Week 3: Assignment	
				Week 4: CSV file Concept Assignment Exercise	
July	Data Structure	Students will be able to know the Concept of Stack and Queue in Python Language	Text Book: Computer Science with Python by Preeti Arora Ref. Book- Computer Science with Python by Sumita Arora Link: https://www.python.org/downloads/	Week 1: Implementation of Stack Using List	
				Week 2: Implementation of Queue Using List	
				Week 3: Assignment & Exercise	
				Week 4: Assignment & Exercise	
August	Data Visualiz	Students will be able to	Text Book: Computer Science with Python by Preeti Arora	Week 1: Installing	

	ation Using pyplot	know the Matplotlib and Numpy	Ref. Book- Computer Science with Python by Sumita Arora Link: https://www.python.org/downloads/	Matplotlib and Types of Visualization Visualization Rules	
	MySQL				
				Week 2 Line, Bar, Pie Plot Multiple Plot & Multiple Views	
				Week 3: Assignment & Exercise	
				Week 4: Functions of MySQL & Use of different Commands of MySQL	

CLASS :XII
Subject: BIOLOGY

Books Recommended: NCERT Text book

Month	Chapter And Content	Learning Outcomes	Sources/Resources Text book/ Ref. books/ e-resources/useful links	Week-wise Suggestive Activities (to be guided by teachers/parents)	Subject Enrichment Activity/ ART Integrated Activity
April	Sexual reproduction in flowering plant	The learner - Understands Structure of flower, Pre - fertilisation structures and Events, Double fertilization,	NCERT Textbook Trueman's Biology https://youtu.be/UjVHUf4d1I	Week 1: Observe the different flowers found in your locality.	Select any one flower of your interest and separate all its reproductive parts. Paste them on a chart paper and mention the identifying features of the flower.
		Post - Fertilization : Structure and Events	NCERT Textbook Trueman's Biology	Week 2 Draw a diagram depicting the different stages of fertilization.	
		Apomixis and Polyembryony	NCERT Textbook Trueman's Biology https://youtu.be/XoPMY9rPhMo	Week 3 Collect information regarding the different type of apomictic seeds and fruits found in your locality.	Perform a dissection on a fruit bearing multiple embryos.
		NCERT Exercises and important NEET mcqs.	NCERT Textbook Trueman's Biology NCERT at your FINGERTIPS.	Week 4	
May	Principles of inheritance and	The learner will be able to - Understand Mendel's Laws of	NCERT Textbook Trueman's Biology Comprehensive	Week 1 Collect different types of pea seeds and study.	

	variation	Inheritance.	Biology https://youtu.be/x0ksaQhAl-g		
	Principles of inheritance and variation	Explain the Inheritance of One gene	NCERT Textbook Trueman's Biology https://youtu.be/zkJuucRuRQU	Week 2	
	Principles of inheritance and variation	Differentiate between inheritance of One and two genes. They will also know the different method of Sex - determination.	NCERT Textbook Trueman's Biology	Week 3	Collect the photographs of the scientists who worked on different organisms to learn about their respective methods of sex determination
	Principles of inheritance and variation	Understand the impact of mutation and different genetic disorders.	NCERT Textbook Trueman's Biology NCERT at your FINGERTIPS.	Week 4	
June	Molecular basis of inheritance	The DNA The Search of Genetic Material RNA World	NCERT Textbook Trueman's Biology NCERT at your FINGERTIPS.	Week 1	
	Molecular basis of inheritance	Replication and transcription	NCERT Textbook Trueman's Biology Comprehensive Biology https://youtu.be/5bLEDd-PSTQ https://youtu.be/WsofH466lqk	Week 2	
	Molecular basis of inheritance	Genetic Code and Translation	NCERT Textbook Trueman's Biology Comprehensive Biology	Week 3	
	Molecular basis of inheritance	Translation and Regulation of Gene expression, Human	NCERT Textbook Trueman's Biology	Week 4	

		Genome Project, DNA Fingerprinting	Comprehensive Biology https://youtu.be/z7ZaceU3tfE		
July	Human Reproducti on	The Male reproductive system and Female reproductive system.	NCERT Textbook Trueman's Biology Comprehensive Biology https://youtu.be/bg-noT3Qj0 https://youtu.be/ZZEsPUQ1gG4	Week 1	
	Human Reproducti on	Gametogenesis and Menstrual cycle	NCERT Textbook Trueman's Biology Comprehensive Biology	Week 2	
	Human Reproducti on	Fertilisation and Implantation	NCERT Textbook Trueman's Biology Comprehensive Biology	Week 3	
	Reproducti ve health	Pregnancy and Embryonic development. Parturition and Lactation	NCERT Textbook Trueman's Biology Comprehensive Biology	Week 4	
August	Revision : Board questions of VSA I, II, LA, and Analytical questions with value points of ideal answers	Understanding the pattern and typology of questions with reference to the value points provided.		Week 1 Model questions and their model answers.	
	Revision : Molecular basis of Inheritance			Week 2	
	Revision : Principles		NCERT Textbook NCERT at your	Week 3	

	of Inheritance and Variation.		FINGERTIPS.		
	Microbes in human welfare	Microbes in household products, Industrial products, Sewage treatment, Production of Biogas. Microbes as Biocontrol agents and Biofertilizers.	NCERT Textbook Trueman's Biology Comprehensive Biology https://youtu.be/65sh_0kBuM8 https://youtu.be/kuXiivB1s3E	Week 4	

CLASS : XII

Subject: ACCOUNTANCY

**Books Recommended: NCERT TEXT BOOK, CLASS XII
D K GOEL(REFERENCE BOOK)
T. S. GREWAL(REFERENCE BOOK)**

<i>Month</i>	<i>Chapter And Content</i>	<i>Learning Outcomes</i>	<i>Sources/Resources Text book/ Ref. books/ e-resources/useful links</i>	<i>Week-wise Suggestive Activities (to be guided by teachers/parents)</i>	<i>Subject Enrichment Activity/ ART Integrated Activity</i>
April	Not for Profit Organisation	<p><i>learners will be able to:</i></p> <ul style="list-style-type: none"> State the meaning of a Not for Profit Organisation and its distinction from a profit making entity. Define the meaning of receipts and payments accounts and understand the features. They will develop the skill of Accounting for Receipts and Payments Account 	<p>NCERT BOOK: https://epathshala.nic.in/wp-content/doc/book/flipbook/flipbook.htm?leac1=1-1</p> <p>D.K GOEL (REFERENCE BOOK)</p> <p>T.S.GREWAL (REFERENCE BOOK)</p> <p>Video : https://diksha.gov.in/play/collection/do_31310347545794150411449?contentId=do_31308520112508108812718</p>	<p>Week 1:</p> <ul style="list-style-type: none"> Students will learn and memorize conceptual theory Questions-Answers They will solve Accounting Problems on Receipts and Payment Account of Not for Profit Organisation. 	Students will discuss the comparison between Not for Profit Organizations' and Profit making Organisations and will give some examples of Them.
April	Not for Profit Organisation	<p><i>learners will be able to:</i></p> <ul style="list-style-type: none"> State the meaning of income and 	<p>NCERT BOOK: https://epathshala.nic.in/wp-content/doc/book/flipbook/flipbook.htm?leac1=1-1</p>	<p>Week 2:</p> <ul style="list-style-type: none"> Students will learn and memorize conceptual theory 	Students will recall the concept of Profit and Loss

		<p><i>expenditure account and understand its features.</i></p> <ul style="list-style-type: none"> • <i>Develop the understanding and skill of preparing income and expenditure account and balance sheet of a not for profit organisation with the help of given receipts and payments account and additional information.</i> 	<p>book.htm?leac1=1-1 D.K GOEL (REFERENCE BOOK)</p> <p>T.S.GREWAL (REFERENCE BOOK)</p>	<p>Questions-Answers</p> <ul style="list-style-type: none"> • They will solve Accounting Problems on Income and Expenditure Account of Not for Profit Organisation. 	<p>Account and They will compare Income and Expenditure Account with that.</p>
April	Not for Profit Organisation	<p><i>learners will be able to:</i></p> <ul style="list-style-type: none"> • <i>Develop the skill of preparing a balance sheet on opening date and on closing date with</i> 	<p>NCERT BOOK: https://epathshala.nic.in/wp-content/doc/book/flipbook/flipbook.htm?leac1=1-1 D.K GOEL (REFERENCE BOOK)</p>	<p>Week 3:</p> <ul style="list-style-type: none"> • They will solve Accounting Problems on Preparation of Opening Balance Sheet, Income and Expenditure Account and 	<p>Students will compare and discuss the similarities and differences between Balance Sheet of</p>

		<i>Income and Expenditure A/C for a not for Profit organisation.</i>	T.S.GREWAL (REFERENCE BOOK)	Closing Balance Sheet of Not for Profit Organisation.	Not for Profit Organisation and Profit Organisation.
April	Accounting for Partnership firm	<p><i>learners will be able to:</i></p> <ul style="list-style-type: none"> • <i>State the meaning of Partnership, partnership firm and partnership deed.</i> • <i>Describe the characteristic features of partnership and the contents of partnership deed.</i> • <i>Develop the understanding and skill of preparation of Profit and Loss Appropriation A/C.</i> 	<p>NCERT BOOK: https://epathshala.nic.in/wp-content/doc/book/flipbook/flipbook.htm?leac1=1-1 D.K GOEL (REFERENCE BOOK)</p> <p>T.S.GREWAL (REFERENCE BOOK) Video: https://diksha.gov.in/play/collection/do_31310347545794150411449?contentId=do_3130886420361461761803</p>	<p>Week 4 :</p> <ul style="list-style-type: none"> • Students will learn and memorize conceptual theory Questions-Answers • They will solve Accounting Problems on Profit and Loss Appropriation A/c 	Students will be allowed to discuss the significance of provisions of partnership Act in the absence of partnership deed and will be guided for implementing it in Profit and Loss Appropriation A/c
May	Accounting for Partnership firm	<p><i>learners will be able to:</i></p> <ul style="list-style-type: none"> • <i>Differentiate between fixed and fluctuating capital</i> • <i>Develop the understanding and skill of preparation of</i> 	<p>NCERT BOOK: https://epathshala.nic.in/wp-content/doc/book/flipbook/flipbook.htm?leac1=1-1 D.K GOEL (REFERENCE BOOK)</p>	<p>Week 1:</p> <ul style="list-style-type: none"> • Students will learn and memorize conceptual theory Questions-Answers • They will solve Accounting 	Student will be asked to relate fixed and current A/C with Fluctuating A/c as partners capital Account

		<i>Profit and Loss Appropriation Account involving guarantee of profits.</i>	T.S.GREWAL (REFERENCE BOOK)	Problems on Profit & Loss Appropriation A/c involving guarantee of profit and partners' capital A/c	Methods and consider those differences and similarities strictly while preparing both the methods of Partners' Capital A/c
May	Accounting for Partnership firm	<p><i>learners will be able to:</i></p> <ul style="list-style-type: none"> • <i>Develop the understanding and skill of Making past adjustments</i> • <i>State the meaning, nature and factors affecting goodwill.</i> • <i>Develop the understanding and skill of valuation of goodwill using different methods.</i> 	<p>NCERT BOOK: https://epathshala.nic.in/wp-content/doc/book/flipbook/flipbook.htm?leac1=1-1 D.K GOEL (REFERENCE BOOK)</p> <p>T.S.GREWAL (REFERENCE BOOK)</p>	<p>Week 2:</p> <ul style="list-style-type: none"> • Students will learn and memorize conceptual theory Questions-Answers • They will solve Accounting Problems on Past adjustments and valuation of goodwill. 	<p>Students will discuss their doubts which they face while calculating the goodwill valuation</p>

<p>May</p>	<p>Accounting for Partnership firm</p>	<p><i>learners will be able to:</i></p> <ul style="list-style-type: none"> • <i>State the meaning of sacrificing ratio and the change in profit sharing ratio among existing partners.</i> • <i>Develop the understanding of accounting treatment of revaluation assets, reassessment of liabilities and treatment of reserves and accumulated profits by preparing revaluation accounts and balance sheet</i> 	<p>NCERT BOOK: https://epathshala.nic.in/wp-content/doc/book/flipbook/flipbook.htm?leac1=1-1 D.K GOEL (REFERENCE BOOK) T.S.GREWAL (REFERENCE BOOK)</p>	<p>Week 3:</p> <ul style="list-style-type: none"> • Students will learn and memorize conceptual theory Questions-Answers • They will solve Accounting Problems on profit sacrificing ratio, revaluation of assets, reassessment of liabilities and Preparation of balance sheet after change in profit sharing ratio. 	<p>Students will express their understanding for Profit /Loss on revaluation A/c</p>
<p>May</p>	<p>Accounting for Partner</p>	<p><i>learners will be able to:</i></p>	<p>NCERT BOOK:</p>	<p>Week 4:</p> <ul style="list-style-type: none"> • Students will learn and 	<p>Students will be asked to</p>

	ship firm	<ul style="list-style-type: none"> • <i>Explain the effect of change in profit sharing ratio on admission of a new partner.</i> • <i>Develop the understanding and skill of treatment of goodwill as per AS-26, treatment of revaluation A/c and preparation of Partner's Capital A/c considering the changes on admission of a new partner.</i> 	https://epathshala.nic.in/wp-content/doc/book/flipbook/flipbook.htm?leac1=1-1 D.K GOEL (REFERENCE BOOK) T.S.GREWAL (REFERENCE BOOK)	memorize conceptual theory Questions-Answers <ul style="list-style-type: none"> • They will solve Accounting Problems on admission of a new partner. 	discuss the accounting process for adjustments which are considered while preparing Revaluation A/c and Partners' Capital A/c
June	Accounting for Partner ship firm	<i>learners will be able to:</i> <ul style="list-style-type: none"> • <i>Enhance the skill of Accounting process for the admission of a new partner.</i> 	NCERT BOOK: https://epathshala.nic.in/wp-content/doc/book/flipbook/flipbook.htm?leac1=1-1 D.K GOEL (REFERENCE BOOK)	Week 1: Students will solve the critical problems on admission of a new partner.	

			T.S.GREWAL (REFERENCE BOOK)		
June	Preparation of project file on Analysis of the performance segment of a business firm	<p><i>learners will be able to:</i></p> <ul style="list-style-type: none"> • <i>Develop a practical approach by using modern technologies in the field of Accounting.</i> • <i>Inculcate important skills of teamwork, problem solving, time management, Information collection.</i> 	<p>NCERT BOOK: https://epathshal.a.nic.in/wp-content/doc/book/flipbook/flipbook.htm?leac1=1-1 D.K GOEL (REFERENCE BOOK)</p> <p>T.S.GREWAL (REFERENCE BOOK)</p>	Week 2: Students will select a firm and present performance analysis of each segment of it through Pie Charts and graphical presentations	Students will add comments and graphical presentations on components of the Project work. This will demonstrate his/ her creativity and understanding.
June	Accounting for Partnership firm	<p><i>learners will be able to:</i></p> <ul style="list-style-type: none"> • <i>Explain the effect of retirement of a partner on change in profit sharing ratio.</i> • <i>Develop the skills for calculation of gaining ratio and new Profit & Loss ratio for partners..</i> 	<p>NCERT BOOK: https://epathshal.a.nic.in/wp-content/doc/book/flipbook/flipbook.htm?leac1=1-1 D.K GOEL (REFERENCE BOOK)</p> <p>T.S.GREWAL (REFERENCE BOOK)</p>	Week 3: <ul style="list-style-type: none"> • Students will learn and memorize conceptual theory Questions-Answers • Students will solve problems on calculation of gaining ratio and new profit sharing ratio on retirement of a partner. 	Students will discuss the distinctions between methods for calculating Sacrificing and gaining ratio.
June	Accounting for	<i>learners will be able to:</i>	NCERT BOOK:	Week 4:	Students will exem

	Partner ship firm	<ul style="list-style-type: none"> Develop the understanding and skills of accounting treatment of goodwill, revaluation of assets and reassessment of liabilities and adjustment of accumulated profits and reserves on retirement of a partner. 	https://epathshal.a.nic.in/wp-content/doc/book/flipbook/flipbook.htm?leac1=1-1 D.K GOEL (REFERENCE BOOK) T.S.GREWAL (REFERENCE BOOK)	Students will solve Problems on valuation of goodwill, Profit/Loss on Revaluation when a partner retires.	plify the adjustments which are taken into consideration in the valuation of goodwill and Profit/Loss on Revaluation.
July	Accounting for Partner ship firm	learners will be able to: <ul style="list-style-type: none"> Develop the understanding and skills of preparation of the capital accounts of the partners when a partner retires. 	NCERT BOOK: https://epathshal.a.nic.in/wp-content/doc/book/flipbook/flipbook.htm?leac1=1-1 D.K GOEL (REFERENCE BOOK) T.S.GREWAL (REFERENCE BOOK)	Week 1 Students will solve Problems of preparation of Partners capital A/c or recording journal entries for the changes in Partners' capital A/c	Students will discuss the recordings which are considered in Partners' Capital A/c on retirement of a partner.
July	Accounting for Partner ship firm	learners will be able to: Develop the skill of calculation of a deceased partner's share till the time of his death.	NCERT BOOK: https://epathshal.a.nic.in/wp-content/doc/book/flipbook/flipbook.htm?leac1=1-1 D.K GOEL (REFERENCE BOOK)	Week 2 <ul style="list-style-type: none"> Students will learn and memorize conceptual theory Questions-Answers Students will solve problems on calculation of 	Students will compare and discuss the accounting treatments of partner's retirement with

			T.S.GREWAL (REFERENCE BOOK)	<i>a deceased partner's share till the time of his death.</i>	partner's death .
July	Accounting for Partnership firm	<p><i>learners will be able to:</i></p> <ul style="list-style-type: none"> • <i>Understand the situations under which a partnership firm can be dissolved.</i> • <i>Develop the understanding and skills for recording transactions for dissolution of Partnership firms in journal entries.</i> 	<p>NCERT BOOK: https://epathshal.a.nic.in/wp-content/doc/book/flipbook/flipbook.htm?leac1=1-1 D.K GOEL (REFERENCE BOOK)</p> <p>T.S.GREWAL (REFERENCE BOOK)</p>	Week 3: Students will solve problems on recording of transactions in journal entries when a partnership firm is dissolved.	
July	Accounting for Partnership firm	<p><i>learners will be able to:</i></p> <p><i>Develop the understanding and skills of preparation of realisation A/c and other related accounts</i></p>	<p>NCERT BOOK: https://epathshal.a.nic.in/wp-content/doc/book/flipbook/flipbook.htm?leac1=1-1 D.K GOEL (REFERENCE BOOK)</p> <p>T.S.GREWAL</p>	Week 4: <ul style="list-style-type: none"> • Students will learn and memorize conceptual theory Questions-Answers • Students will solve problems on preparation of Realisation A/c, Partners' 	Students will relate and point out the differences between the dissolution of Partnership with Partnership firm

			(REFERENCE BOOK)	Capital A/c and Bank A/c	
August	Accounting for Share Capital	<p><i>learners will be able to:</i></p> <ul style="list-style-type: none"> • <i>State the meaning of share and share capital</i> • <i>Differentiate between equity shares and preference shares and different types of share capital</i> • <i>Understand the meaning of Private placement of shares and Employee Stock option Plan.</i> 	<p>NCERT BOOK: https://epathshala.nic.in/wp-content/doc/book/flipbook/flipbook.htm?lead=1-1 D.K GOEL (REFERENCE BOOK)</p> <p>T.S.GREWAL (REFERENCE BOOK) Video: https://diksha.gov.in/play/collection/do_3131034754599567361960?contentId=do_31306739438383923219898</p>	<p>Week 1: Students will learn the theoretical concept related to share capital.</p>	
August	Accounting for Share Capital	<p><i>learners will be able to:</i></p> <ul style="list-style-type: none"> • <i>Explain the accounting treatment of share capital transactions regarding issue of shares.</i> 	<p>NCERT BOOK: https://epathshala.nic.in/wp-content/doc/book/flipbook/flipbook.htm?lead=1-1 D.K GOEL (REFERENCE BOOK)</p> <p>T.S.GREWAL (REFERENCE BOOK)</p>	<p>Week 2: Students will solve problems on recording of journal entries for issue of shares.</p>	<p>Students will discuss and exemplify the process of recording money received on different calls for issue of share.</p>

<p>August</p>	<p>Accounting for Share Capital</p>	<p><i>learners will be able to:</i> Develop the understanding of accounting treatment of forfeiture and re-issue of forfeited shares.</p>	<p>NCERT BOOK: https://epathshala.nic.in/wp-content/doc/book/flipbook/flipbook.htm?lead=1-1 D.K GOEL (REFERENCE BOOK)</p> <p>T.S.GREWAL (REFERENCE BOOK)</p>	<p>Week 3: Students will solve problems on Accounting treatment of forfeiture and re-issue of forfeited shares.</p>	<p>Students will be encouraged to find the share issue process of a few big companies.</p>
<p>August</p>	<p>Accounting for Share Capital</p>	<p><i>learners will be able to:</i></p> <ul style="list-style-type: none"> • Develop the understanding of accounting treatment of Pro-rata allotment of shares. • Describe the presentation of share capital in the balance sheet of the company as per schedule III part I of the companies Act 2013 	<p>NCERT BOOK: https://epathshala.nic.in/wp-content/doc/book/flipbook/flipbook.htm?lead=1-1 D.K GOEL (REFERENCE BOOK)</p> <p>T.S.GREWAL (REFERENCE BOOK)</p>	<p>Week 4: Students will solve problems on Accounting treatment of Pro-rata allotment of shares and presentation of share capital in the balance sheet of the company as per schedule III part I of the companies Act 2013</p>	<p>Students will compare and discuss the differences between the balance sheet of Sole-Proprietorship/Partnership with a company as per schedule III part I of the companies Act 2013.</p>

CLASS : XII

Subject: BUSINESS STUDIES

Books Recommended:

NCERT CLASS XI(Text
Book)

Poonam Gandhi(Reference Book),

Alka Dhawan(Reference Book)

Month	Chapter And Content	Learning Outcomes	Sources/Resources Text book/ Ref. books/ e-resources/useful links	Week-wise Suggestive Activities (to be guided by teachers/parents)	Subject Enrichment Activity/ ART Integrated Activity
April	Nature and Significance of Management	<p><i>learners would be able to:</i></p> <ul style="list-style-type: none"> • Understand the concept of Management • Explain the meaning of effectiveness and efficiency • Discuss the objectives of Management. • Describe the importance of management 	<p>NCERT BOOK: https://epathshala.nic.in/wp-content/doc/book/flipbook/flipbook.htm?lebs1=1-1 Poonam Gandhi(Reference Book), Alka Dhawan(Reference Book)</p>	<p>Week 1:</p> <ul style="list-style-type: none"> • Students will list down the importance of Management • They will differentiate between effectiveness and efficiency • They will learn the taught concepts and write down questions and answers as guided in their note copy. 	<ul style="list-style-type: none"> • Students will discuss managerial skills of the few leaders whom they admire most . • Students will be given class assignments to solve the case studies related to taught concepts to enrich their learnings.
April	Nature and Significance of Management	<p><i>learners would be able to:</i></p> <ul style="list-style-type: none"> • Examine the nature of management as a science, 	<p>NCERT BOOK: https://epathshala.nic.in/wp-content/doc/book/flipbook/flipbook.htm?lebs1=1-1 Poonam Gandhi(Reference Book), Alka Dhawan(Reference Book)</p>	<p>Week 2:</p> <ul style="list-style-type: none"> • Students will compare management with science, art and profession 	<ul style="list-style-type: none"> • Students will illustrate the importance of coordination in

		<p><i>art and profession</i></p> <ul style="list-style-type: none"> • <i>Understand the role of top, middle and lower levels of management</i> • <i>Explain the functions of management</i> • <i>Discuss the concept and characteristics and importance of coordination</i> 		<ul style="list-style-type: none"> • They will identify functions of managers working at different levels. • They will learn the taught concepts and write down questions and answers as guided in their note copy. 	<p>organization.</p> <ul style="list-style-type: none"> • Students will be given class assignments to solve the case studies related to taught concepts to enrich their learnings.
April	Principles of Management	<p><i>learners would be able to:</i></p> <ul style="list-style-type: none"> • <i>Understand the concept of principles of management</i> • <i>Explain the significance of management principles</i> • <i>Discuss the principles of management developed by Fayol.</i> 	<p>NCERT BOOK: https://epathshala.nic.in/wp-content/doc/book/flipbook/flipbook.htm?lebs1=1-1 Poonam Gandhi(Reference Book), Alka Dhawan(Reference Book)</p> <p>You tube Video: https://youtu.be/90qpziPNRnY</p>	<p>Week 3:</p> <ul style="list-style-type: none"> • Students will analyze the importance of each principle of Henry Fayol in Managerial decision making in an organisation. • They will learn the taught concepts and write down questions and answers as guided in 	<ul style="list-style-type: none"> • Students will make a hand written project on Application of Henry Fayol's Principles in Departmental Store/Industrial Unit • Students will be given class assignments to solve the case studies related to taught concepts to

				their note copy.	enrich their learnings.
April	Principles of Management	<p><i>learners would be able to:</i></p> <ul style="list-style-type: none"> • <i>Explain the principles and techniques of scientific Management</i> • <i>Compare the contributions of Fayol and Taylor</i> 	<p>NCERT BOOK: https://epathshala.nic.in/wp-content/doc/book/flipbook/flipbook.htm?lebs1=1-1 Poonam Gandhi(Reference Book), Alka Dhawan(Reference Book)</p>	<p>Week 4</p> <ul style="list-style-type: none"> • Students will differentiate between scientific techniques and scientific principles. • They will learn the taught concepts and write down questions and answers as guided in their note copy. 	<ul style="list-style-type: none"> • Students will make a hand written project on Application of Taylor's Scientific techniques in Departmental Store/Industrial Unit • Students will be given class assignments to solve the case studies related to taught concepts to enrich their learnings.
May	Business Environment	<p><i>learners would be able to:</i></p> <ul style="list-style-type: none"> • <i>Understand the concept of Business Environment</i> • <i>Appreciate the importance of business environment</i> • <i>Describe the</i> 	<p>NCERT BOOK: https://epathshala.nic.in/wp-content/doc/book/flipbook/flipbook.htm?lebs1=1-1 Poonam Gandhi(Reference Book), Alka Dhawan(Reference Book)</p> <p>Video at: https://diksha.gov.in/play/collection/do_31310347544974950411499?contentId=do_31309424497003724811486</p>	<p>Week 1:</p> <ul style="list-style-type: none"> • Students will be able to compare and analyze the economy of India prior to 1991 Economic Reforms with Post 1991 Economic Reforms. 	<ul style="list-style-type: none"> • Students will be allowed to express their opinion on the needs of changes in managerial responses to changed business

		<p><i>various dimensions of business environment</i></p> <ul style="list-style-type: none"> • <i>Examine the impact of government policy changes on business since 1991 Privatisation and managerial response to change in business environment due to it.</i> 		<ul style="list-style-type: none"> • They will learn the taught concepts and write down questions and answers as guided in their note copy. 	<p>environments.</p> <ul style="list-style-type: none"> • Students will be given class assignments to solve the case studies related to taught concepts to enrich their learnings.
May	Planning	<p><i>learners would be able to:</i></p> <ul style="list-style-type: none"> • <i>Understand the concept of planning</i> • <i>Describe the importance of Planning</i> • <i>Describe the steps in the process of Planning</i> 	<p>NCERT BOOK: https://epathshala.nic.in/wp-content/doc/book/flipbook/flipbook.htm?lebs1=1-1 Poonam Gandhi(Reference Book), Alka Dhawan(Reference Book)</p>	<p>Week 2:</p> <ul style="list-style-type: none"> • Students will illustrate a few planning functions where all steps are followed systematically. • They will learn the taught concepts and write down questions and answers as guided in their note copy. 	<ul style="list-style-type: none"> • Students will be given class assignments to solve the case studies related to taught concepts to enrich their learnings.

<p>May</p>	<p>Planning</p>	<p><i>learners would be able to:</i></p> <ul style="list-style-type: none"> • <i>Describe the importance of Planning</i> • <i>Understand the limitations of Planning</i> 	<p>NCERT BOOK: https://epathshala.nic.in/wp-content/doc/book/flipbook/flipbook.htm?lebs1=1-1 Poonam Gandhi(Reference Book), Alka Dhawan(Reference Book)</p>	<p>Week 3:</p> <ul style="list-style-type: none"> • Students will identify the different types of Plans from the given situations. • They will learn the taught concepts and write down questions and answers as guided in their note copy. 	<ul style="list-style-type: none"> • Students will discuss and exemplify the importance of Plan in their virtual Business Studies class. • Students will be given class assignments to solve the case studies related to taught concepts to enrich their learnings.
<p>May</p>	<p>Marketing Management</p>	<p><i>learners would be able to:</i></p> <ul style="list-style-type: none"> • <i>Understand the concept of Marketing</i> • <i>Discuss the functions of Marketing</i> • <i>Explain the Marketing philosophies.</i> • <i>Understand the concept of product</i> 	<p>NCERT BOOK: https://epathshala.nic.in/wp-content/doc/book/flipbook/flipbook.htm?lebs2=1-1 Poonam Gandhi(Reference Book), Alka Dhawan(Reference Book)</p> <p>Video at: https://diksha.gov.in/play/content/do_31310916026021478413260</p>	<p>Week 4:</p> <ul style="list-style-type: none"> • Students will learn the taught concepts and write down questions and answers as guided in their note copy. 	<ul style="list-style-type: none"> • students will make a hand written Project on Marketing of a Product. • Students will be given class assignments to solve the case studies related to taught concepts

		<i>and its elements-branding, labelling and Packaging</i>			to enrich their learnings.
June	Marketing Management	<p><i>learners would be able to:</i></p> <ul style="list-style-type: none"> • <i>Understand the concept of Price as an element of marketing mix</i> • <i>Explain the factors determining price of a product.</i> • <i>Understand the concept of Physical distribution.</i> • <i>Describe the concepts of promotion Mix and its elements- Advertising, Personal selling, Sales Promotion and Public Relations</i> 	<p>NCERT BOOK: https://epathshala.nic.in/wp-content/doc/book/flipbook/flipbook.htm?lebs2=1-1 Poonam Gandhi(Reference Book), Alka Dhawan(Reference Book)</p>	<p>Week 1:</p> <ul style="list-style-type: none"> • Students will compare the various elements of Promotion Mix and state their suitability under different situations. • They will learn the taught concepts and write down questions and answers as guided in their note copy. 	Students will be given class assignments to solve the case studies related to taught concepts to enrich their learnings.
June	Organising	<p><i>learners would be able to:</i></p> <ul style="list-style-type: none"> • <i>Understand the concept of organising</i> • <i>Explain the importance of organising</i> • <i>Describe the steps</i> 	<p>NCERT BOOK: https://epathshala.nic.in/wp-content/doc/book/flipbook/flipbook.htm?lebs1=1-1 Poonam Gandhi(Reference Book), Alka Dhawan(Reference Book)</p> <p>Video at: https://diksha.gov.in/play/collection/do_31310347544974950411499?contentId=do_3131029127456522241606</p>	<p>Week 2:</p> <ul style="list-style-type: none"> • Students will compare the important features of functional and divisional structure of organising and state their suitability for 	Students will be given class assignments to solve the case studies related to taught concepts to enrich their learnings.

		<p><i>in the process of organising</i></p> <ul style="list-style-type: none"> • <i>Differentiate between functional and divisional structures</i> 		<p>different organisations.</p> <ul style="list-style-type: none"> • They will learn the taught concepts and write down questions and answers as guided in their note copy. 	
June	Organising	<p><i>learners would be able to:</i></p> <ul style="list-style-type: none"> • <i>Understand the concept and elements of delegation</i> • <i>Appreciate the importance of delegation</i> • <i>Explain the concept and importance of delegation</i> • <i>Differentiate between delegation and decentralisation.</i> 	<p>NCERT BOOK: https://epathshala.nic.in/wp-content/doc/book/flipbook/flipbook.htm?lebs1=1-1 Poonam Gandhi(Reference Book), Alka Dhawan(Reference Book)</p>	<p>Week 3: Students will learn the taught concepts and write down questions and answers as guided in their note copy.</p>	<p>Students will exemplify delegation and decentralisation process in an Organisation.</p>
June	Staffing	<p><i>learners would be able to:</i></p> <ul style="list-style-type: none"> • <i>Understand the concept and importance</i> 	<p>NCERT BOOK: https://epathshala.nic.in/wp-content/doc/book/flipbook/flipbook.htm?lebs1=1-1 Poonam Gandhi(Reference Book),</p>	<p>Week 4: <ul style="list-style-type: none"> • Students will identify from the given situation </p>	<p>Students will be given class assignments to solve the case studies</p>

		<p><i>e of staffing</i></p> <ul style="list-style-type: none"> • <i>Describe the steps in the process of staffing</i> • <i>State the meaning and steps in the process of recruitment.</i> • <i>Discuss the sources of recruitment</i> 	<p style="text-align: right;">Alka Dhawan(Reference Book)</p> <p>Video at: https://diksha.gov.in/play/collecion/do_31310347544974950411499?contentId=do_31307661782733619219344</p>	<p>the various sources of recruitment to be selected for the job positions created in an organisation.</p> <ul style="list-style-type: none"> • They will learn the taught concepts and write down questions and answers as guided in their note copy. 	<p>related to taught concepts to enrich their learnings.</p>
July	Staffing	<p><i>learners would be able to:</i></p> <ul style="list-style-type: none"> • <i>Understand the meaning and steps involved in the process of selection.</i> • <i>Appreciate the importance of training and development programme</i> • <i>Differentiate between training and development</i> 	<p>NCERT BOOK: https://epathshala.nic.in/wp-content/doc/book/flipbook/flipbook.htm?lebs1=1-1 Poonam Gandhi(Reference Book), Alka Dhawan(Reference Book)</p>	<p>Week 1:</p> <ul style="list-style-type: none"> • Students will analyse the suitability of the training methods on the basis of the nature of jobs in different organisations. • They will learn the taught concepts and write down questions and answers as guided in their note copy. 	<p>Students will express their opinions on the steps of the selection process differently adopted by organisations.</p>

		<ul style="list-style-type: none"> • <i>Discuss the various methods of on the job and off the job training.</i> 			
July	Directing	<p><i>learners would be able to:</i></p> <ul style="list-style-type: none"> • <i>Describe the concept and importance of directing</i> • <i>Understand the concept of motivation</i> • <i>Develop an understanding of Maslow's Hierarchy of needs</i> • <i>Discuss the various financial and non financial incentives</i> 	<p>NCERT BOOK: https://epathshala.nic.in/wp-content/doc/book/flipbook/flipbook.htm?lebs1=1-1 Poonam Gandhi(Reference Book), Alka Dhawan(Reference Book)</p> <p>Video at: https://diksha.gov.in/play/collection/do_31310347544974950411499?contentId=do_313</p>	<p>Week 2: Students will learn the taught concepts and write down questions and answers as guided in their note copy.</p>	<p>Students will be given class assignments to solve the case studies related to taught concepts to enrich their learnings.</p>
July	Directing	<p><i>learners would be able to:</i></p> <ul style="list-style-type: none"> • <i>Understand the concept and various styles of leadership</i> • <i>State the concept of communication and its types- Formal</i> 	<p>NCERT BOOK: https://epathshala.nic.in/wp-content/doc/book/flipbook/flipbook.htm?lebs1=1-1 Poonam Gandhi(Reference Book), Alka Dhawan(Reference Book)</p>	<p>Week 3:</p> <ul style="list-style-type: none"> • Students will analyse the advantages and disadvantages of different styles of leadership and will conclude their suitability 	<p>Students will discuss the barriers of communication which they face in their real life and they will also categorize those on the basis of their learnings of the chapter.</p>

		<p><i>and Informal</i></p> <ul style="list-style-type: none"> • <i>Discuss the various barriers to effective communication.</i> 		<p>for different organisations.</p> <ul style="list-style-type: none"> • They will learn the taught concepts and write down questions and answers as guided in their note copy. 	
July	Controlling	<p><i>learners would be able to:</i></p> <ul style="list-style-type: none"> • <i>Understand the concept of controlling</i> • <i>Explain the importance of controlling</i> • <i>Discuss the steps in the process of controlling</i> 	<p>NCERT BOOK: https://epathshala.nic.in/wp-content/doc/book/flipbook/flipbook.htm?lebs1=1-1 Poonam Gandhi(Reference Book), Alka Dhawan(Reference Book)</p>	<p>Week 4: Students will learn the taught concepts and write down questions and answers as guided in their note copy. will write down questions and answers of taught concepts as guided in the class in their note copy</p>	<ul style="list-style-type: none"> • Students will share their experience of controlling any work and they will also Mention the steps of controlling which they followed. • Students will be given class assignments to solve the case studies related to taught concepts to enrich their learnings.
August	Financial Management	<p><i>learners would be able to:</i></p> <ul style="list-style-type: none"> • <i>Understand the concept and role of financial management</i> 	<p>NCERT BOOK: https://epathshala.nic.in/wp-content/doc/book/flipbook/flipbook.htm?lebs2=1-1 Poonam Gandhi(Reference Book), Alka Dhawan(Reference Book)</p>	<p>Week 1: <ul style="list-style-type: none"> • Students will summarize the main points to consider while going for any decision related to Financial </p>	<ul style="list-style-type: none"> • Students will be given class assignments to solve the case studies related to

		<p><i>ent in an organisation</i></p> <ul style="list-style-type: none"> • <i>Discuss the objectives of Financial Management</i> • <i>Identify the three financial decisions and factors affecting them.</i> • <i>Explain the concept of Financial planning</i> 	<p>Video at youtube: https://youtu.be/iPOUJMx1noY</p>	<p>Management as a finance Manager.</p> <ul style="list-style-type: none"> • Students will write down questions and answers of taught concepts as guided in the class in their note copy 	<p>taught concepts to enrich their learnings.</p>
August	Financial Management	<p><i>learners would be able to:</i></p> <ul style="list-style-type: none"> • <i>Appreciate the importance of Financial planning</i> • <i>Describe the concept of Capital Structure factors determining the choice of an appropriate capital structure of a company.</i> • <i>Understand the concept of Fixed and working Capital</i> • <i>Identify the factors determining</i> 	<p>NCERT BOOK: https://epathshala.nic.in/wp-content/doc/book/flipbook/flipbook.htm?lebs2=1-1 Poonam Gandhi(Reference Book), Alka Dhawan(Reference Book)</p>	<p>Week 2:</p> <ul style="list-style-type: none"> • Students will calculate the Earning Per Share(EPS) to determine the best possible capital structure for a company. • They will write down questions and answers of taught concepts as guided in the class in their note copy 	<ul style="list-style-type: none"> • Students will compare the requirements of Fixed Capital and Working Capital for different industries. • They will be given class assignments to solve the case studies related to taught concepts to enrich their learnings.

		<i>the requirements of fixed and working Capital.</i>			
August	Financial Markets	<p><i>learners would be able to:</i></p> <ul style="list-style-type: none"> • <i>Understand the concept of financial market</i> • <i>Explain the functions of financial Market</i> • <i>Describe the concepts of Money Market and its various instruments</i> • <i>Discuss the concept of Capital Market</i> 	<p>NCERT BOOK: https://epathshala.nic.in/wp-content/doc/book/flipbook/flipbook.htm?lebs2=1-1 Poonam Gandhi(Reference Book), Alka Dhawan(Reference Book)</p>	<p>Week 3:</p> <ul style="list-style-type: none"> • Students will analyse the needs of financial Markets for a Business Firm. • They will learn the taught concepts and write down questions and answers as guided in their note copy. 	<ul style="list-style-type: none"> • Students will express their opinion on terms and conditions of Money Market Instrument and will suggest the profitable and convenient one for an individual, bank and a company. • Students will be given class assignments to solve the case studies related to taught concepts to enrich their learnings.
August	Financial Markets	<p><i>learners would be able to:</i></p> <ul style="list-style-type: none"> • <i>Explain primary and Secondary</i> 	<p>NCERT BOOK: https://epathshala.nic.in/wp-content/doc/book/flipbook/flipbook.htm?lebs2=1-1 Poonam Gandhi(Reference Book),</p>	<p>Week 4:</p> <ul style="list-style-type: none"> • Students will compare between Primary 	<p>Students will be given class assignments to solve the case studies</p>

		<p><i>markets as types of Capital Market.</i></p> <ul style="list-style-type: none"> • <i>Differentiate between Capital Market and Money Market</i> • <i>Discuss the methods of floating new issues in the primary market.</i> • <i>Compare between primary and secondary markets.</i> 	<p>Alka Dhawan(Reference Book)</p> <p>Video at youtube: https://youtu.be/P_bqDgkZmuY</p>	<p>and Secondary Markets and will highlight the needs of the company fulfilled by them separately .</p> <ul style="list-style-type: none"> • They will learn the taught concepts and write down questions and answers as guided in their note copy. 	<p>related to taught concepts to enrich their learnings.</p>
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CLASS :XII

Subject: PHYSICAL EDUCATION

Books Recommended:

1. Physical Education by Dr. Jogiswar Goswami, Ratna Sagar publication

2. Health and Physical Education by Dr. V. K. Sharma, Saraswati publication

Month	Chapter And Content	Learning Outcomes	Sources/Resources Text book/ Ref. books/ e-resources/useful links	Week-wise Suggestive Activities (to be guided by teachers/parents)	Subject Enrichment Activity/ ART Integrated Activity
April	<p><u>Chapter I</u> Planning inSports *Meaning & objectives of Planning *Various committees & its Responsibilities (Pre, During & Post)</p>	<p>Students are able to learn how to do planning before organising any programe or tournament. 2. They able to know how the responsibility of organizing tournament should be divided by making various committees.</p>	<p>1. Physical Education by Dr. Jogiswar Goswami, Ratna Sagar publication 2. Health and Physical Education by Dr. V. K. Sharma, Saraswati publication</p>	<p>Week 1: Students can make team to organized any tournament & one by one divided responsibilities to execute the work with proper planning.</p>	<p>Students can organize a small tournament in their local area by dividing responsibilities among friends.</p>
	<p>*Different Types of tournaments (Knock out, League, combination & consolation), its advantage & disadvantage. *Procedure to draw different types of fixture.</p>	<p>Students able to understand about different types of tournaments, its advantage & disadvantage. 2. Students able to draw and make different types of fixtures.</p>	<p>1. Physical Education by Dr. Jogiswar Goswami, Ratna Sagar publication 2. Health and Physical Education by Dr. V. K. Sharma, Saraswati publication</p>	<p>Week 2 Students have to practice to make different types fixtures as per the no. of team.</p>	
	<p>*Intramural and Extramural competition – Meaning, objectives & its significance *Specific Sports Programme- SportsDay,</p>	<p>1. Students not only learn they can have practical experience of organizing & conducting Intramural & Extramural tournament 2. they also</p>	<p>1. Physical Education by Dr. Jogiswar Goswami, Ratna Sagar publication 2. Health and Physical Education by Dr. V. K. Sharma, Saraswati</p>	<p>Week 3 Students have to write the differentiate between the Intramural & Extramural competition.</p>	<p>Students have to make different types of banners, festoons & slogans for increasing the consciousness among people regarding</p>

	HealthRun, Run For Fun, Run for Specific cause & Run for Unity.	understand about the Specific Sports Programmes and its objectives	publication		specific sports programmes.
	Chapter II Sports and Nutrition *Balanced Diet and Nutrition. *Macro and Micro Nutrients.	Students gather knowledge about the proper balance diet to keep body fit healthy. 2.Students also learn about the food nutritive value.	1.Physical Education by Dr. Jogiswar Goswami, Ratna Sagar publication 2.Health and Physical Education by Dr. V. K. Sharma, Saraswati publication	Week 4 Students can categories between Macro and Micro Nutrients.	Students can make proper balance diet chart of week wise.
May	*Nutritive and Non-Nutritive Components of Diet. *Eating for Weight control – A healthy Weight	1. Students can learn about the values of nutritive & Non-nutritive components of diet. 2.Students gather knowledge about eating for weight control.	1.Physical Education by Dr. Jogiswar Goswami, Ratna Sagar publication 2.Health and Physical Education by Dr. V. K. Sharma, Saraswati publication	Week 1 Students can make chart of food habits for weight control.	Practical 1: Fitness tests administration for all items.
	*Pitfalls of dieting, *Food intolerance *Food Myths	Students can learn about the pitfalls of dieting, food allergy and food related myths.	1.Physical Education by Dr. Jogiswar Goswami, Ratna Sagar publication 2.Health and Physical Education by Dr. V. K. Sharma, Saraswati publication	Week 2 Students should be aware about the pitfalls of dieting and food allergy and also make conscious about their family members regarding this.	
	Chapter III Yoga and Lifestyle *Asanas as a preventive measures and its effects on our health	Students can learn about the positive effects of asanas and how asanas works as a preventive measures for our health.	1.Physical Education by Dr. Jogiswar Goswami, Ratna Sagar publication 2.Health and Physical Education by Dr. V. K. Sharma, Saraswati publication	Week 3 Students should enlist the various positive effects of asanas on human body.	Students can create awareness in their society and community regarding the preventive measures of Asanas.

	*i)Obesity,ii)Diabetes, & iii)Asthma – Related asanas & its Procedure, benefits & contraindications	Students get knowledge about the lifestyle diseases & related asanas – procedures, benefits & contraindications.	1.Physical Education by Dr. Jogiswar Goswami, Ratna Sagar publication 2.Health and Physical Education by Dr. V. K. Sharma, Saraswati publication	Week 4 Relating to Obesity, Diabetes and Asthma – enlist the related asanas name & their benefits in preventing lifestyle diseases.	Students can give suggestion as to those people who are suffering from this kind of diseases to the related asanas of each diseases as a preventive measures.
June	iv)Hypertension, & v)Back pain – Related asanas & its Procedure, benefits & contraindications <u>Chapter IV</u> Physical Education & Sports For CSWN *Concept of Disability & Disorder	Students learn about Hypertension and Backpain & its related asanas as a preventive measures. 2. they also get knowledge about the Disability and Disorder among the children.	1.Physical Education by Dr. Jogiswar Goswami, Ratna Sagar publication 2.Health and Physical Education by Dr. V. K. Sharma, Saraswati publication	Week 1 Students have to write the differentiation between the Disability and Disorder.	Practical 2 Procedure for Asanas, benefits and contraindications for any two Asanas for each lifestyle diseases.
	*Types of Disability its causes and nature *Types of Disorder its causes and nature	1. Students learn about the different types of Disability like – cognitive, intellectual and physical disability. 2.They also learn different types of Disorders like ADHD, SPD, ASD, ODD & OCD	1.Physical Education by Dr. Jogiswar Goswami, Ratna Sagar publication 2.Health and Physical Education by Dr. V. K. Sharma, Saraswati publication	Week 2 Students able to understand from the symptoms of the children about their disability or disorder types.	Students can make a list of Disability & Disorder types as per their symptoms and causes.
	*Disability Etiquettes *Advantages of Physical activities for children with Special needs.	Students get knowledge about the disability Etiquettes that is mode of conduct to the CSWN.	1.Physical Education by Dr. Jogiswar Goswami, Ratna Sagar publication 2.Health and Physical Education by Dr. V. K. Sharma, Saraswati publication	Week 3 Student have to make a list of some common code of behaviors with the CSWN	Students have to enlist the physical activities which are beneficial for the Children with special needs.

	<p>*Strategies to make physical activities assessable for children with special needs</p> <p><u>Chapter –V</u> Children and Women in Sports</p> <p>*Meaning & concept of Motor Development</p> <p>*Factors affecting Motor Development</p>	<p>Students learn about the physical activities which are assessable for children with special needs</p> <p>2. Students also get knowledge about the Motor development and its factors.</p>	<p>1.Physical Education by Dr. Jogiswar Goswami, Ratna Sagar publication</p> <p>2.Health and Physical Education by Dr. V. K. Sharma, Saraswati publication</p>	<p>Week 4</p> <p>Students make point wise list of the different factors which affecting the Motor Development.</p>	<p>Students can follow the strategies of physical activities for CSWN and they can make people understand about the effect of physical activities.</p>
July	<p>*Exercise guidelines at different stages of growth and development.</p> <p>*Common Postural Deformities- Knock knee, Flat foot, Round shoulder, Lordosis, Kyphosis, Bowlegs etc</p>	<p>1. Students get knowledge about the exercises which are helpful for growth and development.</p> <p>2. They also learn about the common postural deformities of individual.</p>	<p>1.Physical Education by Dr. Jogiswar Goswami, Ratna Sagar publication</p> <p>2.Health and Physical Education by Dr. V. K. Sharma, Saraswati publication</p>	<p>Week 1</p> <p>Students have to enlist the remedial exercises of according to the different types of deformities.</p>	<p>Students have to make a power point presentation of pictures of exercises which are b</p>
	<p>*Sports participation of Women in India</p> <p>*Special Consideration (Menarch and Menstrual Dysfunction)</p> <p>*Female Athletes Triad (Oestoporosis, Amenorrhoea, Eating Disorder)</p>	<p>1. Students able to understand about the less sports participation of Women in India.</p> <p>2. They also get knowledge about the Special Consideration of Women.</p> <p>3.Students learn the Female Athlete Triad that what are the reasons & how it should be overcome.</p>	<p>1.Physical Education by Dr. Jogiswar Goswami, Ratna Sagar publication</p> <p>2.Health and Physical Education by Dr. V. K. Sharma, Saraswati publication</p>	<p>Week 2</p> <p>Students have to list down the reasons from your own experiences about the less participation of Women in Sports.</p>	<p>Students can create awareness in their society about the Female Athlete Triad can be prevented by active life style or daily exercise and good balance diet.</p>
	<p><u>Chapter VI</u> Test and Measurement In Sports</p>	<p>Students able to understand how we can measure</p>	<p>1.Physical Education by Dr. Jogiswar Goswami, Ratna Sagar</p>	<p>Week 3</p> <p>Students can take the Motor fitness test item on their</p>	<p>Students able to measure the Cardio vascular</p>

	<p>*Motor Fitness Test Items- , their purpose, procedure& equipment of these test.</p> <p>* Measurement of Cardio-vascular fitness test- Harvard step test.</p>	<p>the Motor fitness level of all school going school children.</p> <p>2. Students can also learn how to measure individual's cardio-vascular fitness by following the Harvard step test.</p>	<p>publication</p> <p>2.Health and Physical Education by Dr. V. K. Sharma, Saraswati publication</p>	<p>Junior School going children in their society on 10 students they can take these tests.</p>	<p>fitness level of their family members following the procedure and formula of Harvard Step Test.</p>
	<p>*Rock port fitness test.</p> <p>*Computation of Fitness Index VO_2 max.</p> <p>*Rikli & Jones Senior Citizen fitness test.</p>	<p>1.Students can gather knowledge about the procedure of Rockport one mile test & the procedure of measuring senior citizen fitness level.</p>	<p>1.Physical Education by Dr. Jogiswar Goswami, Ratna Sagar publication</p> <p>2.Health and Physical Education by Dr. V. K. Sharma, Saraswati publication</p> <p>1.Physical Education by Dr. Jogiswar Goswami, Ratna Sagar publication</p>	<p>Week 4</p> <p>Students able to take test of VO_2 max & can measure the individual's VO_2 max by putting the formula.</p>	<p>Practical 3: Procedure for administering Senior Citizen Fitness Test for 5 elderly family members.</p>
August	<p>Chapter : VII</p> <p>Physiology and Injuries in Sports</p> <p>*Physiological factor determining component of Physical Fitness</p> <p>*Effect of exercise on Cardio respirator system & Muscular system.</p>	<p>1. Students able to understand that how Physiological factors help in determining different components of physical fitness that is strength, endurance, flexibility etc.</p> <p>2.Students also learn that exercises create ea effect & develops the Cardio-respiratory system & Muscular system.</p>	<p>1.Physical Education by Dr. Jogiswar Goswami, Ratna Sagar publication</p> <p>2.Health and Physical Education by Dr. V. K. Sharma, Saraswati publication</p>	<p>Week 1</p> <p>Students should write how physiological factors i.e. physical activity has an effect on different physical fitness components like strength, endurance, speed flexibility etc.</p>	<p>Students have to make separate list on effect of exercise on cardio respiratory system & on muscular system in this own words.</p>

	<p>*Physiological changes due to ageing. *Sports injuries its classification ,causes, prevention and treatment</p>	<p>1.Students able to understand that how physiological factors create an effect on ageing process . 2. They get knowledge about the different types of sports injuries its causes and prevention part.</p>	<p>1.Physical Education by Dr. Jogiswar Goswami, Ratna Sagar publication 2.Health and Physical Education by Dr. V. K. Sharma, Saraswati publication</p>	<p>Week 2 Students can categorize different types of sports injuries and their causes.</p>	<p>Students have to write treatment procedure of as per the different types of sports injuries like soft tissue injuries, bone injuries and joint injuries.</p>
	<p>*First aid its aim and objectives. <u>Chapter VIII</u> Biomechanics and Sports Meaning and importance of biomechanics in sports.</p>	<p>1.Students learn about the first aid procedure and its objectives. 2.They gathered knowledge about the biomechanics and its application in sports.</p>	<p>1.Physical Education by Dr. Jogiswar Goswami, Ratna Sagar publication 2.Health and Physical Education by Dr. V. K. Sharma, Saraswati publication</p>	<p>Week 3 Students should enlist point wise about the importance of biomechanics in sports and its application in different sports.</p>	<p>Students have to make a first aid box and also write about the PRICE and MICE procedure of First Aid.</p>
	<p>Types of Movements (flexion, extension, abduction & adduction) *Newton's law of motion and its application in sports. *Friction and sports.</p>	<p>Students Gathered knowledge about the Newton's law of motion and its application in sports. They also learn about the different types of body movements and friction in sports</p>	<p>1.Physical Education by Dr. Jogiswar Goswami, Ratna Sagar publication 2.Health and Physical Education by Dr. V. K. Sharma, Saraswati publication</p>	<p>Week 4 Students write about the different types of body movements with diagram and examples and also write about the advantage and disadvantage of friction in sports.</p>	<p>Students have to write about the Newton's law of motion and specifically they have to give at least two examples of its application in sports to each three laws.</p>

CLASS : XII
Subject: ECONOMICS

Books Recommended: NCERT text book, Sandeep Garg, V.K. Ohri.

<i>Month</i>	<i>Chapter And Content</i>	<i>Learning Outcomes</i>	<i>Sources/Resources Text book/ Ref. books/ e-resources/useful links</i>	<i>Week-wise Suggestive Activities (to be guided by teachers/parents)</i>	<i>Subject Enrichment Activity/ ART Integrated Activity</i>
April	Introduction to Macroeconomics	Students will be able to know about the basic concepts of macroeconomics and also they will understand the importance of macroeconomics in an economy.	https://ncert.nic.in/textbook.php?leec1=0-6	Week 1: Study the concepts of the basic macroeconomics and also solve the MCQs of that chapter.	
	National Income and Related Aggregates	Students will get the concepts of circular flow of income in different sectors models i.e (Two sector, Three sector, and Four sector model)	https://ncert.nic.in/textbook.php?leec1=0-6 https://www.tutor2u.net/economics/reference/measuring-national-income-gdp	Week 2 Draw the different sectors model diagrams.	
	National Income and Related Aggregates	Students will go through the different methods for calculating national income through the Value Added Method.	https://ncert.nic.in/textbook.php?leec1=0-6 https://rlacollege.edu.in/pdf/Eco_Presentations/Principlesofmacroeconomics/National-Income-Accounting.pdf	Week 3 Formulas regarding the method to be learned and sums were given for practise.	
	National Income and Related Aggregates	Students will go through the different methods for calculating national income through the Income Method.	https://ncert.nic.in/textbook.php?leec1=0-6 https://rlacollege.edu.in/pdf/Eco_Presentations/Principlesofmacroeconomics/National-Income-Accounting.pdf	Week 4 Formulas regarding the method to be learned and sums were given for practise.	
May	National Income and Related	Students will go through the different methods for calculating national	https://ncert.nic.in/textbook.php?leec1=0-6 https://rlacollege.edu.in/pdf/Eco_Presentations	Week 1 Formulas regarding the method to be learned and	

	Aggregates	income through the Expenditure Method.	/Principlesofmacroeconomics/National-Income-Accounting.pdf	sums were given for practise.	
	Indian Economy on the Eve of Independence.	Students will learn about the past of Indian Economy in the time of Independence. They will come to know about the economic, social, demographic, educational, foreign trade, employment situation of that time.		Week 2 Make a tabular presentation on the data available to the topic and prepare a summary by yourself in your point of view.	
	Money and Banking	Students will get the information regarding the changes in the forms of money and how currency helped to remove the limitations of Barter Economy.	https://ncert.nic.in/textbook.php?leec1=0-6	Week 3 Make some case studies through which the problems of barter economy can be shown.	
	Money and Banking	Students will get the information regarding the money supply and how the money is being distributed among the population also they will come to know about the different kinds of deposits.	https://ncert.nic.in/textbook.php?leec1=0-6	Week 4 Study the concept of money supply and also get information regarding the current situation of money supply in the economy. Study the changes in the money supply due to the current Covid-19 pandemic situation.	
June	Money and Banking	Students will get to know about how the commercial banks operate in the economy and also they will come to know about the credit creation	https://ncert.nic.in/textbook.php?leec1=0-6	Week 1 Write up the process of credit creation with any random value and show the proper	

		process by commercial banks.		functioning on this credit creation.	
	Money and Banking	Students will get to know about the functions of the Central bank and how it controls the money supply in the economy.	https://ncert.nic.in/textbook.php?leec1=0-6	Week 2 Study the topics and answer the MCQs given in the chapter.	
	Indian Economy (1947-1990)	Students will come to know about the progress done by the country from 1947 to 1990 and how the economy has progressed through the different developmental 5-years plan taken by the government.	https://ncert.nic.in/textbook.php?leec1=0-6	Week 3 Make a comparative study on how Indian economy performed through the planning period till 1990.	
	Economic reforms since 1991	Students will come to know about the different reasons why the NEP 1991 introduced in the economy and they will also come to know about Liberalisation, Privatisation, and Globalisations and its effects in the economy.	https://ncert.nic.in/textbook.php?leec1=0-6	Week 4 Students were asked to prepare a comparative analysis on how LPG has performed in the economy.	
July	Foreign Exchange Rate	Students will understand the meaning of foreign exchange and how it affects the value of the domestic currency.	https://www.youtube.com/watch?v=4cC08DiSENE	Week 1 Make a chart where the recent changes in the foreign exchange rate will be shown and its effect in the economy.	
	Foreign Exchange Rate	Students will come to know about the demand for foreign exchange and also how the supply can be increased for foreign exchange.	https://www.youtube.com/watch?v=4cC08DiSENE https://www.youtube.com/watch?v=egFWjgLJnWM	Week 2 Go through the topics and with the help of case studies from recent data get a proper idea of the foreign	

		Also with the help of demand and supply how to reach the equilibrium situation and how the foreign exchange rate changes.		exchange rate. Solve the exercise questions.	
	Economic reforms since 1991	Students will get to know the detailed analysis of Liberalisation, Privatisation, and Globalisation policy, i.e. the cause, effect and how these policies performed in the economy.		Week 3 Solve the questions.	
	Balance of Payment	Students will come to know about the concept of BOP and its components and also the differences between BOP and BOT(Balance of Trade)	https://www.youtube.com/watch?v=36V0sh8yfzs	Week 4 Clear the concepts of BOP and BOT.	
August	Balance of Payment	Students will get the detailed view of current and capital account and also accommodating and autonomous items.	https://www.youtube.com/watch?v=IV_pCMc_rOHE	Week 1 Solve all MCQs given in the chapter also show the debit and credit side of BOP in the context of accommodating and autonomous items.	

CLASS : XII
Subject: HISTORY

Books Recommended: NCERT Text Book

Month	Chapter And Content	Learning Outcomes	Sources/Resources Text book/ Ref. books/ e-resources/useful links	Week-wise Suggestive Activities (to be guided by teachers/parents)	Subject Enrichment Activity/ ART Integrated Activity
April	Chapter- Bricks, Beads and Bones. Early and Mature Harappan Cultures.	Students will be able to know about the Indus Valley Civilisation. How rich it was. It was unknown to them. The unique culture, the distinctive culture of Harappa will make them rich in knowledge, will enhance their thoughtful affairs.	NCERT Text Book. Epaathshaala	Week 1: Students will prepare a chart on the figures to show the number of settlements in Sind and Cholistan.	Map Skill- a) Areas of Early Harappan Occupation. b) The Harappan Civilisation and West Asia.
	Strategies for procuring materials.	Students will understand the contact with distant lands like Oman, Magan etc. in Harappan Civilization.	NCERT Text Book. Epaathshaala	Week 2: Students will instruct to do an assignment, on the evidence used by archaeologists to reconstruct dietary practices in Harappan Civilisation.	Draw the artefacts which was considered as utilitarian objects or as luxuries in Harappan civilisation.
	Kings, Farmers and Towns.	Students will be able to understand the momentous developments in Indian epigraphy of 1830s.		Week 3: a) Write up about Inscription. b) Timeline 1 and 2 related to Magadha Rulers.	Draw the coins of the Indo-Greek kings.

				c) Salient features of Mahajanapadas.	
	Kinship, Caste and Class.	Students will come to know about Kinship relations, Metronymics, Forms of Marriages, Gendered access to property, Polyandry practice related with the central characters of the Mahabharata.	NCERT Text Book. Epaathshaala	Week 4: Students will prepare an assignment on 'Patriliny' and 'Matriliny'. They will compare the dharma mentioned in the stories of Drona, Hidimba and Matanga.	Students will stage a platform where they will discuss and suggest on the topic- 'Why Brahmanical prescriptions about kinship and marriage are not universally followed ?'
MAY	Bhakti-Sufi Tradition. Poems of Prayer. The Alvars and Nayanars of Tamil Nadu.	Students will understand a mosaic of Religious Beliefs and Practices. They will understand the Religious Ferment of North India.	NCERT Text Book. Epaathshaala	Week 1: Students will write the meaning of 'Integration of Cults' and emergence of Bhakti Movement.	
	The Virashaiva Tradition in Karnataka & Islamic Tradition. The Chistis Tradition.	Students will come to know that the architecture of the subcontinent reflects a combination of universal ideals and local traditions. They will be able to understand the ways in which the Alvars, Nayanars and	NCERT Text Book. Epaathshaala	Week 2: Students will find out the reason why rulers tried to establish connections with the traditions of the Nayanars and the Sufis.	On an outline map of India, plot three major sufi shrines and three places associated with temples (one each of a form of Vishnu, Shiva

		Virashaivas expressed critiques of the Caste system.			and the Goddess).
	<p>An Imperial Capital :Vijayanagara.</p> <p>The discovery of Hampi. The Capital and its Environs.</p>	<p>Students will learn about both a city and an empire which was founded in the 14th century and the elements of Indo-Islamic architecture. They will understand the meaning of the mahanavami dibba.</p>	<p>NCERT Text Book.</p> <p>Epaathshaala</p>	<p>Week 3: Students will find out the features from Vijayanagara city, which they can find in a city today.</p>	
	<p>The Sacred Centre-Gopurams and mandapams.</p> <p>Adoption of earlier traditions of ritual architecture .</p>	<p>Students will be able to understand the political, economic life of Vijayanagara empire.</p> <p>They will understand the significance of temple building by Vijayanagara kings.</p> <p>Students will come to know the various responsibilities of temples and the identification of kings with the temples.</p>	<p>NCERT Text Book.</p> <p>Epaathshaala</p>	<p>Week 4: Students will write the functions of Kalyana Mandapa.</p> <p>Students will prepare a chart to show the significance of the rituals associated with the Mahanavami Dibba.</p>	<p>Students will draw the 'Chariot' of Temple.</p> <p>Students will draw the water channels of Vijayanagara Empire.</p>
JUNE	KINGS AND CHRONICLES	<p>Students will come to know about the Mughal age chronicles which will give the information about the institutions of the Mughal State.</p>	<p>NCERT Text Book.</p> <p>Epaathshaala</p>	<p>Week 1: Students will make a list of that various tasks involved in creating manuscripts during the Mughal period.</p>	

		Students will be able to understand that how the Mughal court conveyed a sense of power of the Emperor through their daily routines and special festivities.		Week 2: Students will write that different ways to exhibit a sense of power of the Emperor.	
		Students will come to know that all ethical features of Mughal Empire. Like- 'The Nobility was recruited consciously by the Mughal rulers from diverse ethnic and religious groups'. etc.		Week 3: Students will write the concerns which shaped Mughal policies and attitudes towards regions outside the subcontinent.	
		Students will be able to understand the idea of Sulh-i-Kul of Akbar as the cornerstone of his enlightened rule.		Week 4: Students will find out the facts, which will support that, the exact and detailed records- a major concern of the Mughal Period, were kept.	
JULY	COLONIALISM AND THE COUNTRYSIDE	Students will be able to understand the way the East India Company established its raj in the countryside.	NCERT Text Book. Epaathshaala	Week 1: Assignment on Bengal Zamindars. --Flow chart on Power in rural Bengal.	

		Students will come to know the condition of Zamindars, the rise of middleman-jotedars.	NCERT Text Book. Epaathshaala	Week 2: Comparison between the Hoe and the Plough.	
		Students will understand the implemented laws which had changed the life of people.	NCERT Text Book. Epaathshaala	Week 3: MCQ test will be taken.	
		Students will know about the pioneer settlers-the Santhals and the condition of paharias.	NCERT Text Book. Epaathshaala	Week 4: Exercise question-answer will be discussed by teacher.	
AUG UST	REBELS AND THE RAJ.	Students will be able to understand about the Revolt of 1857. Students will understand the meaning of 'A cherry that will drop into our mouth one day'.	NCERT Text Book. Epaathshaala	Week 1: Assignment on the Pattern of the Rebellion.	
		Students will come to know about the lines of communication of the rebellious people.	NCERT Text Book. Epaathshaala	Week 2: Write up--The Azamgarh Proclamation.	
		Students will know about the vision of unity of rebels.	NCERT Text Book. Epaathshaala	Week 3: Students will prepare PPT on it.	
		Students will understand the Clemency of Canning.	NCERT Text Book. Epaathshaala	Week 4: Question answer will be discussed by teacher.	

CLASS : XII
Subject: POLITICAL SCIENCE

Books Recommended: NCERT TEXTBOOK.

Month	Chapter And Content	Learning Outcomes	Sources/Resources Text book/ Ref. books/ e-resources/useful links	Week-wise Suggestive Activities (to be guided by teachers/parents)	Subject Enrichment Activity/ ART Integrated Activity
April	COLD WAR ERA. CHALLENGES OF NATION-BUILDING. THE END OF BIPOLARITY.	Students will come to know that, after the end of the Second World War, the War-Time co-operation and friendship among the Allies dried up. Soviet Russia and United States emerged as the only two nations worthy of the title of 'big power'. The other nations of the World began to move around them.	NCERT Textbook. Newspaper. T.V. News. EPathshala.	Week 1: Map skill- The way Europe was divided into rival alliances during the Cold War. Cartoon reading- Explain the meaning.	
	THE COLD WAR ERA	Students will know about the Challenge to Bipolarity, i.e. Non-Alignment Movement.	NCERT Textbook. Newspaper. T.V. News. EPaathshala.	Week 2: Students will write on the Founder Figures of NAM.	
	THE END OF BIPOLARITY.	Students will come to know that the East European countries that were part of the Soviet Bloc replaced their communist governments in response to mass demonstrations.	NCERT Textbook. Newspaper. T.V. News. EPaathshala.	Week 3: Students will prepare an assignment on the topple of the greatest symbol of Cold War.	

	CHALLENGES OF NATION-BUILDING	Students will come to know the meaning of nation-building where people transfer their commitment and loyalty from smaller tribes, villages or party participation to the large Central Political System. They will know about the challenges, and significant role of S. V. Patel.	NCERT Textbook. Newspaper. T.V. News. EPaathshala.	Week 4: Discuss the role of Sardar Vallabhbhai Patel in the integration of Princely States.	
MAY	NEW CENTRES OF POWER POLITICS OF PLANNED DEVELOPMENT.	Students will come to know that, to get rid of the dominance of uni-polarism, the states have been creating many centres of power and thus establishing the balance of power in the World.	NCERT Textbook. Newspaper. T.V. News. EPaathshala.	WEEK 1 : Assignment on objective of Regional Organisations. Fundamentals of European Union, ASEAN, SAARC, BRICS.	
	NATIONS AS RISING POWER.	Students will know about the reasons for the rising power of India, China, Russia and Israel.	NCERT Textbook. Newspaper. T.V. News. EPaathshala.	WEEK 2: Students will prepare a note on the common reason to grow as rising power against US.	
	RISING NATIONS	China may be the next superpower in the World.	NCERT Textbook. Newspaper. T.V. News. EPaathshala.	WEEK 3: Debate will be held on this topic	
	NATIONAL DEVELOPMENT COUNCIL, NITI AAYOG.	Students will understand the objectives, functions, outcomes of these.	NCERT Textbook. Newspaper. T.V. News. EPaathshala.	WEEK 4: Assignment on NITI AAYOG.	

JUNE	NEW CENTRES OF POWER. INDIAN FOREIGN POLICY.	Students will come to know the present situation of all New Centres of Power of the World.	NCERT Textbook. Newspaper. T.V. News. EPaathshala.	WEEK 1 : Students will prepare a diagram to show the power of new centres to limit America's dominance.	
	FOREIGN POLICY OF INDIA	Students will understand that India has always tried to maintain peaceful, friendly, healthy and cordial relations with other countries of the World.	NCERT Textbook. Newspaper. T.V. News. EPaathshala.	WEEK 2: Assignment on 'India's relation with Pakistan, Nepal.'	
		India's relation with Neighbouring countries.	NCERT Textbook. Newspaper. T.V. News. EPaathshala.	WEEK 3: Assignment on 'India's relation with Bangladesh, Sri Lanka.'	
		India's Nuclear Policy--Refused to sign NPT.	NCERT Textbook. Newspaper. T.V. News. EPaathshala.	WEEK 4 : Assignment on India's relation with Maldives.	
JULY	SOUTH ASIA AND THE CONTEMPORARY WORLD. INDIA'S FOREIGN POLICY.	Students will come to know about their own region-South Asia. When India and Pakistan joined the club of nuclear powers, this region suddenly became the focus of global attention.	NCERT Textbook. Newspaper. T.V. News. EPaathshala.	WEEK 1: Assignment on the domestic politics of Pakistan.	
	South Asia and the Contemporary World.	Students will know the reasons, which makes this region very turbulent.	NCERT Textbook. Newspaper. T.V. News. EPaathshala.	WEEK 2: Prepare Timeline of South Asia since 1947.	

		Students will understand the recent condition of Nepal, Sri Lanka.	NCERT Textbook. Newspaper. T.V. News. EPaathshala.	WEEK 3: Assignment on the domestic politics of Nepal and Sri Lanka.	
		Students will come to know the environment of the relations of India with neighbours.	NCERT Textbook. Newspaper. T.V. News. EPaathshala.	WEEK 4: Assignment on the need of Peace and Cooperation.	
AUG UST	UNITED NATIONS AND ITS ORGANIZATIONS. PARTIES AND PARTY SYSTEM IN INDIA. REVISION OF CHAPTER S 1, 2, 3, 4, 7, 8, 9.	Students will come to know the role of International Organisations after the collapse of the Soviet Union.	NCERT Textbook. Newspaper. T.V. News. EPaathshala.	WEEK 1: Assignment on the importance of International Organisations.	
		Students will understand the need for reformation of the UN in today's world.	NCERT Textbook. Newspaper. T.V. News. EPaathshala.	WEEK 2: Assignment on Principal Organs of UN.	
		Students will come to know the views of India about the reformation of the UN.	NCERT Textbook. Newspaper. T.V. News. EPaathshala.	WEEK3: Assignment on reformation of UN.	
		Students will understand the limitations of the UN in today's world. Revision for Examination.	NCERT Textbook. Newspaper. T.V. News. EPaathshala.	WEEK 4: Assign ment on the role of UN in unipolar World.	

CLASS : XII

Subject: GEOGRAPHY

Books Recommended: Text Book: <https://ncert.nic.in/textbook.php?legy1=0-10> Chapterwise sample question answers book - Arihant Publication.

Month	Chapter And Content	Learning Outcomes	Sources/Resources Text book/ Ref. books/ e-resources/useful links	Week-wise Suggestive Activities (to be guided by teachers/parents)	Subject Enrichment Activity/ ART Integrated Activity
April	Human Geography: Nature and Scope	<p>Students will learn about the basic concept of Human Geography.</p> <p>Students will learn about the nature of Human Geography</p> <p>Students will learn about the Naturalisation of Humans and Humanisation of Nature.</p> <p>Students will learn about the concept of Possibilism and environmental determinism, neo determinism.</p> <p>Students will learn about the different fields of Geography.</p>	<p>Text Book: https://ncert.nic.in/textbook.php?legy1=0-10</p> <p>Chapterwise sample question answers book - Arihant Publication</p>	Week 1: students will go through the question answers of the chapters as well as the MCQ's.	Students will prepare write ups on recent issues and will find out the relation with different approaches like Possibilism, Determinism.
	The world population: Distribution, Density and Growth	<p>Students will learn about the Patterns of population distribution and density in the world.</p> <p>Students will learn about the factors affecting the density of the population.</p>	<p>Text Book: https://ncert.nic.in/textbook.php?legy1=0-10</p> <p>Chapterwise sample question answers book - Arihant Publication</p>	Week 2 Students will go through the question answers of the chapters as well as the MCQ's.	Students will take the data from the textbook and prepare graphical representation like bar graph line graph etc.

		<p>Students will gather knowledge about the population growth and the components of population change.</p> <p>Students will learn about migration and its causes and effects.</p> <p>Students will understand the trend in population growth in the world.</p> <p>Students will learn about the Demographic Transition Theory.</p>			
	<p>Population: Distribution, Density, Growth and Composition.</p>	<p>Students will learn about the distribution and density of population in India.</p> <p>Students will be able to analyse the factors responsible for the differential density of population in India.</p> <p>Students will learn about the different phases of population growth in India.</p> <p>Students will understand about the concept of regional variation in population growth in India.</p> <p>Students will learn about the differential population composition in India.</p>	<p>Text Book: https://ncert.nic.in/textbook.php?legy2=0-12</p> <p>Chapterwise sample question answers book - Arihant Publication</p>	<p>Week 3 students will go through the question answers of the chapters as well as the MCQ's.</p>	<p>Students will collect the recent census data and compare the change in the different components of it.</p>
	<p>Migration</p>	<p>Students will learn about the trends of migration in India along with its different types.</p> <p>Students will also learn</p>	<p>Text Book:- https://ncert.nic.in/textbook.php?legy2=0-12</p> <p>Chapterwise sample question</p>	<p>Week 4 Students will go through the question answers of the chapters as well as the MCQ's.</p>	<p>Students will study the migration of people from different countries in this</p>

		<p>about the push & pull factors of the migration.</p> <p>Students will understand about the different consequences of migration.</p>	<p>answers book - Arihant Publication</p>		<p>pandemic situation and try to analyze the effect of this.</p>
May	Population Composition	<p>Students will learn about the methods of measurements of different sex ratio.</p> <p>Students will get the idea of Age Structure and the usage of different Age Sex pyramid.</p> <p>Students will understand the reasons for the differential composition of population in the rural and urban areas.</p>	<p>Text Book: https://ncert.nic.in/textbook.php?legy1=0-10</p> <p>Chapterwise sample question answers book - Arihant Publication</p>	Week 1 Students will go through the question answers of the chapters as well as the MCQ's.	Students will collect the data of sex ratio in the past 10 years and analyze the change.
	Human Development	<p>Students will get the basic idea of Human Development.</p> <p>Students will understand the key factors of Human Development and its relevance in holistic development.</p> <p>Students will learn about the different approaches of Human Development.</p> <p>Students will visualize India's position in the world Human development report.</p>	<p>Text Book: https://ncert.nic.in/textbook.php?legy1=0-10</p> <p>Chapterwise sample question answers book - Arihant Publication</p>	Week 2 students will go through the question answers of the chapters as well as the MCQ's.	Students will find the changes in the approaches of the government and their effect on the Human development in India.
	Human Development (India: people & economy)	<p>Students will understand the condition of Human Development in India and which factors are</p>	<p>https://ncert.nic.in/textbook.php?legy2=0-12</p> <p>Chapter wise sample question</p>	Week 3 students will go through the question answers of the chapters as well as the	

)	controlling Human development. Students will learn about the poverty condition and the literary condition of different states and UT's of India. Students will understand the causes of the development in India.	answers book - Arihant Publication	MCQ's.	
	Human settlement	Students will learn about the different type of settlement in India Students will understand the concept of Urban settlement in India and the evolution of towns from the medieval period. Students will be able to identify towns on the basis of their function.	Text Book:- https://ncert.nic.in/textbook.php?legy2=0-12 Chapterwise sample question answers book - Arihant Publication	Week 4 students will go through the question answers of the chapters as well as the MCQ's.	Students will identify the different types of houses found in different parts of the world built by different people and share their knowledge.
June	Water Resource	students will learn about the amount of storage of groundwater in different river basins in India. Students will understand about the various demands of water and its maximum utilisation in the economy in India. Students will learn about the causes of declining water quality in India and its conservation methods.	Text book:- https://ncert.nic.in/textbook.php?legy2=0-12 Chapterwise sample question answers book - Arihant Publication	Week 1 students will go through the question answers of the chapters as well as the MCQ's.	Students will identify the groundwater storage problems in our country in the recent times like - chennai and find out what remedies can be done.
	Primary Activities	Students will understand the primary activities like Hunting	Text Book: https://ncert.nic.in/textbook.php?legy1=0-10	Week 2 students will go through the question answers	Students will identify different nomadic

		<p>and Gathering, Pastoralism, Nomadism along with the different nomadic tribes of India.</p> <p>Students will learn about the Commercial Livestock Rearing and its location.</p> <p>Students will learn about the different agricultural types like Subsistence Agriculture and its location.</p>	<p>Chapterwise sample question answers book - Arihant Publication</p>	<p>of the chapters as well as the MCQ's.</p>	<p>tribes of India and make a document of information about them.</p>
		<p>Students will learn about the different agricultural types like Plantation agriculture and its location.</p> <p>Students will learn about the different agricultural types like Extensive Commercial grain Cultivation and its location.</p> <p>Students will learn about the different agricultural types like Mixed Farming and truck farming and its location.</p> <p>Students will learn about the different agricultural types like Dairy Farming and Mediterranean Agriculture and its location.</p>	<p>Text Book: https://ncert.nic.in/textbook.php?legy1=0-10</p> <p>Chapterwise sample question answers book - Arihant Publication</p>	<p>Week 3 students will go through the question answers of the chapters as well as the MCQ's.</p>	
		<p>Students will learn about the different agricultural types like Market gardening & Horticulture and its location.</p> <p>Students will learn</p>	<p>Text Book: https://ncert.nic.in/textbook.php?legy1=0-10</p> <p>Chapterwise sample question answers book -</p>	<p>Week 4 students will go through the question answers of the chapters as well as the MCQ's.</p>	

		<p>about the different agricultural types like Cooperative and Collective Farming and its location.</p> <p>Students will learn about the different techniques of mining and its methods of extraction.</p>	Arihant Publication		
July	Human Settlement	<p>Students will understand the different types of settlement like rural and urban and their types and patterns.</p> <p>Students will understand about the different patterns of rural settlement.</p> <p>Students will learn about the classification of urban settlement on the basis of population size.</p>	<p>Text Book: https://ncert.nic.in/textbook.php?legy1=0-10</p> <p>Chapterwise sample question answers book - Arihant Publication</p>	Week 1 students will go through the question answers of the chapters as well as the MCQ's.	Students will identify the planned and unplanned cities of India and their problems , i. e. Dharavi as a case study.
		<p>Students will learn about the growth of population and the theories related to it.</p> <p>Students will get the idea about the planned and unplanned settlement through the case studies of Addis Ababa and Canberra.</p> <p>Students will be able to find out the problems of urban settlements and the growth of slums.</p>	<p>Text Book:- https://ncert.nic.in/textbook.php?legy2=0-12</p>	Week 2 students will go through the question answers of the chapters as well as the MCQ's.	
	Planning And Sustainable development	<p>Students will learn about the concept of planning and its different types like - Sectoral and Regional Planning.</p> <p>Students will learn</p>	<p>Text Book:- https://ncert.nic.in/textbook.php?legy2=0-12</p> <p>Chapterwise sample question answers book -</p>	Week 3 students will go through the question answers of the chapters as well as the MCQ's.	Students will collect information about the Planning regions of India and their

		<p>about the different planning programmes initiated by the Government of India in different time after independence.</p> <p>Students will understand the core objective of the Hill Area Development Programme as well as the drought Prone Area Planning.</p> <p>Students will get the idea about the Integrated Tribal Area Development Plan and the case study related to it i.e. Bharmaur Region in Himachal Pradesh</p>	Arihant Publication		ecological changes.
		<p>Students will understand about Sustainable Development and its importance.</p> <p>Students will learn about the Indira Gandhi canal command Area and its positive and negative effects on the economy of the Target Area.</p>	<p>Text Book:- https://ncert.nic.in/textbook.php?legy2=0-12</p> <p>Chapterwise sample question answers book - Arihant Publication</p>	Week 4 students will go through the question answers of the chapters as well as the MCQ's.	
August	Data- its source and compilation	<p>Students will understand data, its source, need presentation, and processing.</p> <p>Students will learn about the Grouping and classification of data.</p>	<p>Text Book:- https://ncert.nic.in/textbook.php?legy3=0-6</p>	Week 1 students will go through the question answers of the chapters as well as the MCQ's.	Students will do the representations in digital form through MS office application.
		<p>Students will learn about the frequency distribution, formation of Ogive.</p> <p>Students will learn</p>	<p>Text Book:- https://ncert.nic.in/textbook.php?legy3=0-6</p>	Week 2 students will go through the question answers of the chapters as well as the	Students will do the representations in digital form through MS office

		about the formation of Ogive		MCQ's.	application.
	Data Processing	<p>Students will learn about the measures of Central tendency mean, median and mode.</p> <p>Students will understand the computation of mean by direct and indirect method.</p>	<p>Text Book:- https://ncert.nic.in/textbook.php?legy3=0-6</p>	Week 3	Students will do the representations in digital form through MS office application.
		<p>Students will understand the computation of median and mode.</p> <p>Students will understand the comparison of mean, median and mode.</p>	<p>Text Book:- https://ncert.nic.in/textbook.php?legy3=0-6</p>	week 4	Students will do the representations in digital form through MS office application.