

BCM SCHOOL				
A Senior Secondary School Affiliated To CBSE, New Delhi				
CLASS - X (2025-2026)		SYLLABUS	SUBJECT --ENGLISH	
Book: NCERT Books : First Flight, Footprints Without Feet				
Month	Topic	Concept	Sources / Resources FLIPPED	Suggested Activities
April	A Letter to God	problem solving skills	NCERT Book First Flight https://youtu.be/DBzLkppShI	turn coat
	Poem - Dust of Snow	optimism	First Flight PPT	lyrical presentation
		analytical skills	https://youtu.be/c2Tg8MVU_jw	
	Poem - Fire and Ice	understanding different human emotions and their effect	First Flight PPT	comic Strip
	Nelson Mandela : Long Walk to Freedom		First Flight Film clips	
		empathy	https://youtu.be/MzysXv5AK8	
	How to Tell Wild Animals	comparison of character traits of humans and animals	First Flight https://youtu.be/g2sy5Ae4IA8	music integration activity
	Poem : A Tiger in the Zoo	empathy	First Flight https://youtu.be/liD6dCQZ_Ho	Visual presentation
	A Triumph of Surgery	problem solving	Footprints Without Feet	
			First Flight Film clips	
	The Thief's Story	significance of trust ,kindness and loyalty	Footprints Without Feet	case study
	Two stories about flying	decision making	First Flight https://youtu.be/Q9QUBfERq2Y https://youtu.be/b1w9XB9x-Dc	story telling
May	The Midnight Visitor	wisdom overpowers all other traits	Footprints Without Feet https://youtu.be/V6ocIRhs0yQ	
	Poem - The Ball Poem	epistemology of loss	First Flight https://youtu.be/PVr2HVJNSFg	VISUAL presentation
	A Question of Trust	professional ethics	Footprints Without Feet https://youtu.be/hTCjCar1ZMg	
	Formal Letters	writing skills	bbc	
	Analytical	writing skills	bbc	data analysis
	Paragraph			
	From the Diary of Anne Frank	social skills	First Flight https://youtu.be/iqJYyb4-p3g	diary entry
	Poem - Amanda	interpersonal communication skills	First Flight https://youtu.be/RB3QUeoGIHA	Poetic Interpretation
July	Sentence Transformation	grammar skills	bbc	
	Footprints without Feet	intellectualism	Footprints Without Feet	
	The Making of a Scientist	renaissance and regeneration	Footprints Without Feet	Timeline of Chapter
	Poem-The Trees		First Flight https://youtu.be/vPbkQ2joyRg	
	Glimpses of India Part-1 A Baker from Goa	analytical skills	First Flight https://youtu.be/yNPMrtOX-Bs	Cultural Cuisine Journal
	Part-2 Coorg	analytical skills	https://youtu.be/VGFDdxys-c	
	Part-3 Tea from Assam	Accumulating information about origin of tea plants.	https://youtu.be/V0HqV52MkqY	
	Poem-Fog	understanding the natural phenomenon	First Flight https://youtu.be/1Mze7h89YFg	
August	The Necklace	Identifying the use of situational irony.	https://youtu.be/AuXiRChOC10	Characterize the protagonist in
	Mijbil the Otter	Evaluating the characteristics of the otters	First Flight https://youtu.be/lstt_0kWKGg	Write and discuss characteristics of
	The Tale of Custard the Dragon	Maturing ability to respond to a situation	https://youtu.be/C-RUPeCeUhE	Create an insightful short story
	Bholi	Knack to triumph over complexes	Footprints Without Feet https://youtu.be/WqigiVtuaUQ	Exchange views about gist of the story.
	The Sermon at Benares	Realization of Philosophy of life.	First Flight https://youtu.be/VWgm5xijNrl	diary entry describing character traits of your neighbour.
	Madam Rides the Bus	Life Skills	First Flight	Travelogue

September	MID TERM EXAMINATION			
October	The Proposal	Introspection of strengths and weaknesses	https://youtu.be/QzocSnSpUOk	Role Reversal Play
	Poem-For Anne Gregory		First Flight https://youtu.be/JZzbGODNdZM	Portray the Protagonist Of the story
	The Book That Saved The Earth		Footprints Without Feet https://youtu.be/YWulfZIOFG0	Visualize a fictional story and share
	Comprehension passages	Advancing and maturing imagination skills	Bbc	
विषय हिंदी				
	पाठ्यक्रम			
पुस्तक: क्षितिज भाग 2				
कृतिका भाग 2				
नवयुग हिंदी व्याकरण तथा रचना				
मास	पाठ्यक्रम	सुझावात्मक क्रियाकलाप	संसाधन/फिल्पड /मिश्रित अधिगम	सीखने के प्रतिफल
अप्रैल		(गतिविधियाँ) /कला एकीकरण		
	नेताजी का चश्मा	सुभाष चंद्र बोस के बारे में जानकारी एकत्रित करना। स्वतंत्रता सेनानियों के चित्र का कॉलाज	नेताजी का चश्मा https://youtu.be/G9HZO-5NIKU	देशभक्ति की भावना का विकास होगा।
			https://youtu.be/G9HZO-5NIKU	आर्थिक संसाधनों की कमी को लक्ष्य प्राप्ति में बाधा नहीं बनने देना।
			N.C.E.R.T, E-pathshala पर उपलब्ध सामग्री देख सकते हैं।	
			आई सी टी का उपयोग करते हुए क्यू आर कोड की सहायता ले सकते हैं।	
	सूरदास	गोपियों के वाक्चातुर्य की विशेषताएँ बताते	पाठ्य-पुस्तक	कृष्ण के जीवन से जुड़ी कहानियों से अभिनय कला का विकास होगा।
		हृष्ट वाक् चातुर्य से संबंधित कला का वर्णन करना।		
		वाक् चातुर्य में निपुण तेनालीराम और बीरबल की कहानियाँ पढ़ें।		
		सूरदास के पदों का संगीत कला से प्रस्तुतिकरण		पाठ से ग्रामीण परिवेश की जानकारी जुटाना।
	माता का अंचल	पुराने और नए खेलों में अंतर स्पष्ट करते हुए पीपीटी बनाना	पाठ्य-पुस्तक	बच्चे के लिए माँ के महत्व को जानना।
	वाक्य भेद	वाक्य भेद पहचान कर भेदों के नाम लिखें।	पाठ्य पुस्तक, श्यामपट्ट,चाक ,ई-सामग्री,अतिरिक्त पुस्तक	वाक्य प्रयोग में अंतर स्पष्ट होना।
				पाठ्य पुस्तक में प्रयुक्त वाक्यों का रूपांतरण सीखना/
		प्रधान व आश्रित उपवाक्य अलग करें।		वाक्य रचना का ज्ञान प्राप्त होना।
		उद्देश्य और विधेय में अंतर स्पष्ट करें।		पद परिचय में प्रयुक्त व्याकरण के विषयों की संपूर्ण जानकारी प्राप्त करें।
			पाठ्य पुस्तक, श्यामपट्ट,चाक ,ई-सामग्री,अतिरिक्त पुस्तक	पाठ्य पुस्तक में प्रयुक्त वाक्यों के अंतर्गत पद परिचय बताना।
	पद परिचय	वाक्यों में भिन्न-भिन्न प्रकार के शब्दों का ज्ञान देते हुए विभिन्न शब्दों का पद परिचय सिखाया जाएगा।		
		प्रश्नोत्तरी		
				आकर्षक लेखन शैली
	विज्ञापन		पाठ्य पुस्तक, श्यामपट्ट,चाक ,ई-सामग्री,अतिरिक्त पुस्तक ई - पाठशाला पर सहायक सामग्री देखें।	सूचना व प्रसारण
		विज्ञापन प्रस्तुतिकरण	जनसंचार माध्यम अखबार ,टी॰वी॰पर विज्ञापन देखें।	
		चित्र कला	व्याकरण	

	राष्ट्रीय प्रेम से संबंधित अनुच्छेद	उदाहरण और काव्य पंक्ति का उल्लेख करना	विभिन्न पुस्तकें	लेखन क्षमता का विकास ।
		अनुच्छेद की रूपरेखा तैयार करना ।		विचार अभिव्यक्ति की क्षमता का विकास सामाजिक और राष्ट्रीय प्रेम में वृद्धि ।
मई	बालगोबिन भगत		बालगोबिन भगत का चित्र दिखाना।	भगत के व्यक्तित्व की जानकारी एकत्रित करना ।
		विधवा विवाह विषय पर वाद- विवाद करें ।	पाठ से संबंधित E- pathshala पर सामग्री देख सकते हैं ।	दुनियादारी से अलग रहकर भी सम्मानित जीवन जीने की कला जानना ।
			https://youtu.be/3He21Sy5F5	
				साहस के साथ-साथ विनम्रता का भाव होना।
			पाठ्य पुस्तक, श्यामपट्ट,चाक ,ई-सामग्री,अतिरिक्त पुस्तक	
	तुलसीदास	राम लक्ष्मण परशुराम संवाद का नाटक में प्रस्तुतिकरण करना	रामचरितमानस पढ़ें।	
		अभिनय कला	https://youtu.be/zySIsYrkfXk	
				वाच्य का अर्थ व भेदों का ज्ञान ।
			पाठ्य पुस्तक, श्यामपट्ट,चाक ,ई-सामग्री,अतिरिक्त पुस्तक	पाठ्य पुस्तक में से वाक्य रूपांतरण सीखना ।
	वाच्य परिवर्तन	वाच्य पहचान कर वाच्य के भेद बताना ।	वाच्य परिवर्तन	
				अलंकारों की उदाहरण सहित जानकारी मिलेगी
			पाठ्य पुस्तक, श्यामपट्ट,चाक ,ई-सामग्री,अतिरिक्त पुस्तक	अलंकारों के भेदों का ज्ञान होगा
	अलंकार	पाठ्य पुस्तक की कविताओं में से अलंकार छोट कर उसका भेद बताएं।	व्याकरण पुस्तक टी.वी., समाचार पत्र, नेट पुस्तकें	
				पत्र लेखन कला का विकास ।
जुलाई	औपचारिक पत्र	संबोधन व अभिवादन पत्र में सीखें । सम-सामायिक विषयों से संबंधित पत्र लिखें ।	व्याकरण	अभिव्यक्ति कौशल का विकास । बौद्धिक क्षमता में वृद्धि स्ववृत्त लेखन कला की जानकारी
	स्ववृत्त लेखन	औपचारिक विषयों पर स्ववृत्त	व्याकरण	दिखावटी शान में जीवन जीने वालों को जानना ।
				आधुनिक कहानीकारों के कहानी लेखन का ज्ञान देना
	लेखनवी अंदाज	किसी खाद्य वस्तु का रसास्वादन करने के लिए प्रस्तुतिकरण करें	पाठ्य पुस्तक, श्यामपट्ट,चाक ,ई-सामग्री,अतिरिक्त पुस्तक	
		लेखनरू के नवाबों की आदतों, खानपान, रहन- सहन और उनके शौक की जानकारी प्राप्त होना ।	आई सी टी उपयोग करते हुए क्यू आर कोड की सहायता लें ।	
		पाक कला		आकर्षण लेखन शैली
			व्याकरण-पुस्तक श्यामपट्ट,चाक ,ई-सामग्री,अतिरिक्त पुस्तक	
	संदेश लेखन	संदेश लेखन प्रस्तुतिकरण ।		
			अखबारों के माध्यम से संदेश लेखन की कला सीखना ।	पत्र लेखन कला
			व्याकरण-पुस्तक, श्यामपट्ट,चाक ,ई-सामग्री,अतिरिक्त पुस्तक	अभिव्यक्ति कौशल का विकास
	अनौपचारिक पत्र			बौद्धिक क्षमता में वृद्धि।

		संबोधन व अभिवादन सीखें। सम-सामायिक विषयों से संबंधित पत्र लिखें।	विभिन्न पुस्तकें	
	आत्मकथ्य	बिना ईमानदारी और साहस के आत्मकथा नहीं लिखी जा सकती है। गांधीजी की आत्मकथा 'सत्य के प्रयोग' पढ़कर पता लगाइए कि उन की क्या-क्या विशेषताएँ हैं?	प्रसिद्ध व्यक्तियों की जीवनी पढ़ना।	अपने गुण दोष पहचानना कठिन होता है इसलिए आत्म विश्लेषण की प्रवृत्ति को अपनाकर स्वयं के बारे में विकास करना।
			https://youtu.be/LGJ5KSI2AZg	
	एक कहानी यह भी	स्वतंत्रता आंदोलन में प्रसिद्ध महिलाओं द्वारा निभाई गई उनकी भूमिका से परिचित होना और स्वतंत्रता की लड़ाई में हिस्सा लेने वाली महिलाओं की पीपीटी बनाना।	https://youtu.be/nTXVSt9I7Os	
				अपने पर्यावरण में आए सकारात्मक बदलावों की जानकारी प्राप्त होना।
			पाठ्य पुस्तक, श्यामपट्ट, चाक ,ई-सामग्री, अतिरिक्त पुस्तक	बादलों में छिपी क्रांतिकारियों को जानना।
	उत्साह, अट नहीं रही है	होलो के समय प्रकृति चित्रण में बदलाव पर कविता लिखने के लिए देंगे।	बादलों के विभिन्न दृश्य देखने के लिए इंटरनेट का उपयोग कर सकते हैं।	फागुन महीने में प्रकृति में बदलावों को जानना।
		बादलों से घिरे आसमान और वनस्पतियों पर पड़ने वाले प्रभाव को लिखें।	आई सी टी का उपयोग करते हुए क्यू आर कोड की सहायता ले सकते हैं।	
		चित्र-कला	https://youtu.be/WSXTGESbj-M	
				ई -मेल लेखन कला का विकास
	ई -मेल	विभिन्न विषयों पर ई-मेल लेखन	व्याकरण	
सितंबर	अर्द्धवार्षिक परीक्षा			
	पुनरावृत्ति		पाठ्य पुस्तक, श्यामपट्ट, चाक ,ई-सामग्री, अतिरिक्त पुस्तक	प्राकृतिक सौंदर्य का मानव जीवन पर प्रभाव।
			प्राकृतिक सौंदर्य का चित्र	सीमा पर लड़ने वाले जवानों की समस्याओं से परिचित होना।
	साना-साना हाथ जोड़ें	अपनी किसी पर्वतीय यात्रा का वर्णन करना।	https://youtu.be/yWDM3G91S64	
		पहाड़ी क्षेत्र में रहने वाले मेहनती लोगों के बारे में जानकारी इकट्ठी करना।		
		वीडियो बनाना		बच्चे को मुस्कान का मानव मन पर प्रभाव।
			पाठ्य पुस्तक, श्यामपट्ट, चाक ,ई-सामग्री, अतिरिक्त पुस्तक	एक पिता के हृदय को भावनाओं को समझना।
	*** दंतुरित मुस्कान ,	बच्चे के हाव -भावों को कविता या अनुच्छेद के रूप में लिखें।	https://youtu.be/ovUvc9rhRuM	
		पी.पी.टी.		फसल को उत्पादित में सहायक तत्वों की जानकारी
			पाठ्य पुस्तक, श्यामपट्ट, चाक ,ई-सामग्री, अतिरिक्त पुस्तक	
	फसल	एक सुदृढ़ कृषि व्यवस्था के लिए अपने सुझाव देते हुए अखबार के संपादक को पत्र लिखें।	https://youtu.be/w2Qifqk5FRs	
		बागवानी		
	नौबत खाने में इबादत	बिस्मिल्ला खां के द्वारा गंगा जमुनी संस्कृति पर किए गए कार्यों का उल्लेख करना।	पाठ्य पुस्तक, श्यामपट्ट, चाक ,ई-सामग्री, अतिरिक्त पुस्तक	सुप्रसिद्ध शहनाई वादक भारत रत्न बिस्मिल्ला खां के जीवन के विविध पक्षों को जानना।
		सांप्रदायिक सद्भावना को विकसित करने के लिए अपने सुझावों की कक्षा में साझा करना।	विभिन्न पुस्तकें	एक कलाकार की कला के प्रति निष्ठा एवं समर्पण को जानना।

नवंबर	संस्कृति	समाज में सृजनात्मक कार्य करने की उपयोगिता	https://youtu.be/aVt9iKiqo7Y	सभ्यता और संस्कृति में अंतर को समझना।
	मैं क्यों लिखता हूँ		https://youtu.be/J2nhC-zCOq0	विज्ञान के लाभ और हानियों के बारे में जानकारी
	संगतकार	विभिन्न क्षेत्रों में संगतकार की भूमिका दर्शाना	https://youtu.be/H2Jez0Fsw1	संगतकार के त्याग को समझना
	विचारपरक अनुच्छेद	उदाहरण और काव्य पंक्ति का उल्लेख		ज्ञान में वृद्धि
दिसंबर	पूर्व कालीन बोर्ड परीक्षा	पाठ्यक्रम से संबंधित सभी प्रश्नों को पूर्ण रूप से तैयार करना।	पूर्व परीक्षाओं के प्रश्न पत्र और सैंपल पेपर	पूर्व कालीन बोर्ड परीक्षा को लेकर वार्षिक बोर्ड परीक्षा का लिखित व मौखिक अभ्यास होगा
Subject :MATHEMATICS				
Month	Topic	Concept	Sources / Resources FLIPPED	Suggested Activities
MARCH	CH1:REAL NUMBER			
	Fundamental Theorem of Arithmetic -		National Digital	To find HCF of two numbers experimentally
	statements after reviewing work		library of India(NDLI)	Group Activity: Students will design two real life
	done earlier and after illustrating		LINK:	situations based on HCF and LCM.
	and motivating through through		http://ndl.iitkgp.ac.in	Practical use of HCF and LCM in doing certain
	examples, Proofs of $\sqrt{2}$, $\sqrt{3}$, $\sqrt{5}$ irrationality.	Students will integrate and apply academic and logical reasoning in classifying real numbers, proving their properties and using them in different situations.	Diksha App	arrangements in real life situations.
			CBSE web site	
			www.cbseacademic.nic.in	
	CH2: POLYNOMIALS			
	Zeros of a polynomial. Relationship	Find the zeroes of a polynomial		To draw the graph of a quadratic polynomial and observe
	between zeros and coefficients of	by means of graph, where it		i) the shape of the curve when the coefficient of x^2 positive
	quadratic polynomials.	intersects the x-axis		ii) the shape of the curve when the coefficient of
		Relate the zeroes of the		x^2 negative
		quadratic polynomial $ax^2 + bx + c$ with the coefficients a, b, c		iii) its number of zeroes
APRIL	CH3: PAIR OF LINEAR EQUATIONS IN TWO VARIABLES			
	Pair of linear equations in two variables and graphical method to find their solution,	Students will learn to apply their critical thinking to express real life situations in linear equations	Digital library of India(NDLI)	
	consistency/inconsistency.	in two variable and to plot the graph. Students will also learn to solve a system of linear equation by the method of substitution and elimination.	LINK:	
	Algebraic conditions for number of solutions. Solution of a pair of linear equations in two variables		http://ndl.iitkgp.ac.in	
	algebraically - by substitution, by elimination. Simple situational problems.		Diksha App CBSE web site	
			www.cbseacademic.nic.in	
	CH4: QUADRATIC EQUATIONS			To find consistency/inconsistency of pair of linear equations in two variables by graphical method .
	Standard form of a quadratic equation $ax^2 + bx + c = 0$, ($a \neq 0$).	Demonstrates strategies of finding roots of quadratic equation by using		

	Solutions of quadratic equations	different methods like		To relate real life situations with algebraic
	(only real roots) by factorization, and by using quadratic formula.	factorization and quadratic formula		expressions and equations
	Relationship between discriminant			To generate a quadratic equation for situational problems
	and nature of roots. Situational problems based on quadratic equations related to day to day activities to be incorporated.			
MAY	CH5: ARITHMETIC PROGRESSIONS	Develops strategies to apply the concept of AP		To verify that the sum of n natural numbers is given by
		to daily life situations		$N(N+1)/2$
	Motivation for studying Arithmetic			Charts depicting Rangoli designs and spirals based on AP
	Progression Derivation of the nth term and sum of the first n terms of A.P and their application in solving daily life problems .			Use of different pattern of numbers in real life situations
	CH6: TRIANGLES			
	Definitions, examples,		Digital library of	To verify experimentally Basic Proportionality
	counter examples of similar triangles.	Principle of similarity .Use of BPT and Pythagoras theorem	India(NDLI)\ LINK:	Theorem
	1. (Prove) If a line is drawn parallel	in different situations. They	http://ndli.iitkgp.ac.in	Explanation of similarity of triangles using different
	to one side of a triangle to	will be able to know that	Diksha App	cut-outs made of coloured sheets.
	the other two sides in distinct points,	how principle of similarity	And CBSE web site	
	the other two sides are divided in the	can be applied in	www.cbseacademic.nic.in	Useful in engineering, construction and interior decoration.
	same ratio.	surroundings.		
	2. (Motivate) If a line divides two			
	sides of a triangle in the same ratio, the line is parallel to the			
	third side.			
	3. (Motivate) If the corresponding sides of two triangles are proportional,			
	their corresponding angles are equal and			
	the two triangles are similar.			
	(Motivate) If one angle of a triangle is equal to one angle of another triangle and the			
	sides including these angles are proportional, the two triangles are similar.			

JUNE	SUMMER VACATION			
JULY	CH7:COORDINATE GEOMETRY	Locate points in 2-dimensional		
	LINES (In two-dimensions) Periods	Cartesian coordinate system		
	Review: Concepts of coordinate geometry, graphs of linear equations. Distance formula.	Apply the formula and calculate distance between two points on a plane		To verify distance formula by graphical method.
	Section formula (internal division).	Students will learn how a particular location can be identify .It will help us to learn town planning and seating arrangements are part of it.		Art based Graph activity using display board Model Making Activity Coordinate geometry is used in various fields such as physics,engineering, navigation, seismology and art.
	CH8:TRIGONOMETRY: INTRODUCTION TO TRIGONOMETRY			
	Trigonometric ratios of an acute angle of a right-angled triangle. Proof of their existence (well defined).Motivate the ratios whichever are defined at zero degree and 90 degree .Values of the trigonometric ratios of 30° , 45° and 60° .	Develop understanding of trigonometric ratios of an acute angle of a right angled triangle		
	Relationships between the ratios.			
	CH8:TRIGONOMETRIC IDENTITIES	Tabulate and make use of trigonometric ratios of standard angles of , 30° , 45° , 60° to right angled triangle	Digital library of India(NDLI) LINK: http://ndl.iitkgp.ac.in	
	Proof and applications of the identity $\sin^2 A + \cos^2 A = 1$. Only simple identities to be given.		Diksha App And CBSE web site www.cbseacademic.nic.in	It is used in geography, navigation. To find heights and distance of various objects without actually measuring them
	CH9:HEIGHTS AND DISTANCES:	Students will be able to learn the use of trigonometric ratios to find the heights and distance of distant objects.		Intera/ Interclass Maths quiz
	Angle of elevation, Angle of Depression			
	Simple problems on heights and distances. Problems should not involve more than two right triangles. Angles of elevation / depression should be only 30° , 45° , 60° .			
	CH10:CIRCLES			
	Tangent to a circle at, point of contact			
AUGUST				

	1.(Prove) The tangent at any point of a circle is perpendicular to the radius through the point of contact 2.(Prove) The lengths of tangents drawn from an external point to a circle are equal.	Students will learn the concept of circle and different properties related to circle.		To verify length of tangents drawn from an external point to circle are equal .To understand the concept of practica; problems on plane figures.	
SEPTEMBER	REVISION &MID TERM EXAM.				
OCTOBER	CH12:AREAS RELATED TO CIRCLES				
	Area of sectors and segments of a circle. Problems based on areas and perimeter / circumference of the above said plane figures. (In calculating area of segment of a circle, problems should be restricted to central angle of 60°and 90° and 120° only.	Students will learn the concept of area of combination of plane figures .They will learn how this concept is useful in designing parks and flower beds.	Digital library of India LINK: http://ndl.iitkgp.ac.in Diksha App And CBSE web site www.cbseacademic.nic.in	Windchime Activity using Solid shapes Useful in designing layout of construction plan	
	CH13: SURFACE AREAS AND VOLUMES	Students will learn the concept	Digital library of		
		to find area and volume of	India(NDLI)	Useful in real life to design objects of different shapes.	
	Surface areas and volumes of combinations of any two of the following: cubes, cuboids, spheres, hemispheres and right circular cylinders/cones.	different combination of solids	LINK: http://ndl.iitkgp.ac.in Diksha App And CBSE web site www.cbseacademic.nic.in		
	CH 14:STATISTICS :		Digital library of		
	Mean, median and mode of grouped data (bimodal situation and step deviation method for finding the mean to be avoided).	Calculate the average from grouped data using different methods i.e. direct, assumed mean and step deviation method Determine the modal class in a group data and calculate mode using the formula	India(NDLI) LINK: http://ndl.iitkgp.ac.in Diksha App CBSE web site www.cbseacademic.nic.in	Case Study Based Questions (Real li useful in various fields like physical and medical sciences and various analytical analysis	
	CH15:PROBABILITY				
	Classical definition of probability. Simple problems on finding the probability of an event.	Student will learn how to judge and justify the value of decision	Use of cards, coins and dice as teaching aids.	To verify probability of an event through experiment	
	DECEMBER	REVISION AND PRE BOARD EXAM PAPER			
	ਜਮਾਤ ਦਸਵੀ , ਵਿਸ਼ਾ ਪੰਜਾਬੀ				
	ਮਹੀਨਾ	ਪਾਠਕ੍ਰਮ	ਕਿਰਿਆਤਮਕ ਗਤੀਵਿਧੀ / ਕਲਾ ਏਕੀਕਰਨ	ਗਿਆਨ ਪ੍ਰਾਪਤੀ	ਸਹਾਇਕ ਸਮੱਗਰੀ
	ਕਵਿਤਾ- ਸੋ ਕਿਉ ਮੰਦਾ ਆਖੀਐ	ਔਰਤ ਮਾਂ ਦੇ ਰੂਪ ਵਿਚ ਕੀ-ਕੀ ਕਰਤੱਵ ਨਿਭਾਉਂਦੀ ਹੈ ਇਕ ਸੂਚੀ ਤਿਆਰ ਕਰੋ	ਕਿਸੇ ਤੇ ਕੁਝ ਵੀ ਮੰਗਣਾ ਬਹੁਤ ਜ਼ਿਆਦਾ ਔਖਾ ਹੁੰਦਾ ਹੈ।	ਨਾਰੀ ਸ਼ਕਤੀ ਨਾਲ ਸਬੰਧਤ ਵੀਡੀਓ ਦਿਖਾਉਣੀ।	
	ਕਹਾਣੀ- ਕੁਲਫ਼ੀ	ਕੁਲਫ਼ੀ ਕਹਾਣੀ ਨਾਲ ਢੁੱਕਦੀ ਕੋਈ ਹੋਰ ਘਟਨਾ ਲਿਖੋ।	ਅਨਿਆਂ ਦੇ ਵਿਰੁੱਧ ਆਵਾਜ਼ ਉਠਾਉਣੀ ਚਾਹੀਦੀ ਹੈ।	ਵੰਨਗੀ	

ਅਪ੍ਰੈਲ	ਵਿਆਕਰਨ- ਸਮਾਸੀ -ਸ਼ਬਦ,	ਪੁਰਾਣੇ ਸਿੱਕੇ ਇੱਕਠੇ ਕਰਕੇ ਇਕ ਚਾਰਟ ਤਿਆਰ ਕਰੋ	ਔਰਤ ਦੀ ਇੱਜ਼ਤ ਕਰਨੀ ਚਾਹੀਦੀ ਹੈ।	ਸਾਹਿਤ ਮਾਲਾ
	ਬਹੁ ਅਰਥਕ 1-60 , ਮੁਹਾਵਰੇ-ਕ	ਬਾਬੇ ਨਾਨਕ ਦੀਆਂ ਸਿੱਖਿਆਵਾਂ ਨੂੰ ਦਰਸਾਉਂਦਾ ਹੋਇਆ ਇੱਕ ਚਾਰਟ ਤਿਆਰ ਕਰੋ।		https://youtu.be/A3KHGAGXxtE
	ਅਣਡਿੱਠੇ ਪੈਰੇ ,ਅਣਡਿੱਠੀਆਂ ਕਾਵਿ- ਟੁਕੜੀਆਂ			
ਮਈ	ਵਾਰਤਕ -ਘਰ ਦਾ ਪਿਆਰ	ਇਕ ਚੰਗੇ ਮਾਹੌਲ ਵਾਲੇ ਅਤੇ ਇੱਕ ਮਾੜੇ ਘਰ ਦੇ ਮਾਹੌਲ ਨੂੰ ਦਰਸਾਉਂਦਾ ਹੋਇਆ ਇੱਕ ਨਾਟਕ ਤਿਆਰ ਕਰੋ	ਆਪਣੇ ਘਰ ਦੇ ਪਿਆਰ ਦੇ ਮਹੱਤਵ ਤੋਂ ਜਾਣੂ ਹੋਣਾ।	ਨਾਟਕ ਜਮਾਤ ਵਿਚ ਕਰਵਾਇਆ ਜਾਵੇਗਾ
	ਇਕਾਂਗੀ- ਜ਼ਫ਼ਰਨਾਮਾ	ਗੁਰੂ ਗੋਬਿੰਦ ਸਿੰਘ ਜੀ ਦੇ ਜੀਵਨ ਨਾਲ ਸਬੰਧਤ ਕੋਈ ਹੋਰ ਘਟਨਾ ਲਿਖੋ।	ਹੰਕਾਰੀ ਅੰਤ ਵਿੱਚ ਪਛਤਾਉਂਦਾ ਹੈ।	https://youtu.be/_jYDPHxvFTI
	ਕਿਰਿਆ- ਵਿਸ਼ੇਸ਼ਣ	ਆਪਣੇ ਪਰਿਵਾਰਕ ਮੈਂਬਰਾਂ ਦੀਆਂ ਫੋਟੋਆਂ ਲਗਾ ਕੇ ਇਕ ਪਰਵਾਰਿਕ ਰੁੱਖ ਬਣਾਉ।		
	ਨਿਜੀ ਪੱਤਰ-1-10	ਇਕਾਂਗੀ ਵਿੱਚ ਆਏ ਉਰਦੂ ਅਤੇ ਫਾਰਸੀ ਦੇ ਸ਼ਬਦ ਚੁਣ ਕੇ ਇਕ ਵਾਕ ਚਾਰਟ ਤਿਆਰ ਕਰੋ		
	ਲੇਖ-1-10 ਵਿਚਾਰ ਪ੍ਰਧਾਨ			
	ਮੁਹਾਵਰੇ -ਖ			
ਜੁਲਾਈ	ਕਵਿਤਾ- ਕਿਰਪਾ ਕਰਕੇ ਬਖਸ਼ ਲਿਓ	ਪਰਮਾਤਮਾ ਨੂੰ ਯਾਦ ਕਰਨ ਲਈ ਹਮੇਸ਼ਾਂ ਕੋਈ ਪਾਠ ਕਰਨਾ	ਪਰਮਾਤਮਾ ਸਾਡੇ ਦੁਖਾਂ ਦਾ ਨਿਵਾਰਨ ਕਰਦਾ ਹੈ।	ਪੰਜਾਬੀ ਵਿਆਕਰਨ ਅਤੇ ਲਿਖਤ ਰਚਨਾ
	ਵਾਰਤਕ- ਬੋਲੀ	ਪੰਜਾਬੀ ਦੀਆਂ ਉਪਬੋਲੀਆ ਦੇ ਖੇਤਰਾਂ ਦੇ ਨਾਮ ਦੱਸੋ।	ਮਨੁੱਖ ਆਪਣੀ ਬੋਲੀ ਤੋਂ ਪਹਿਚਾਣਿਆ ਜਾਂਦਾ ਹੈ।	
	ਵਿਆਕਰਨ- ਮੁਹਾਵਰੇ ਗ ,ਘ,	ਮਹਾਂਪੁਰਖਾਂ ਦੇ ਬਚਨਾਂ ਨੂੰ ਦਰਸਾਉਂਦਾ ਹੋਇਆ ਇਕ ਚਾਰਟ ਤਿਆਰ ਕਰੋ। ਜਿਸ ਨਾਲ ਸਮਾਜ ਨੂੰ ਸੋਧ ਦਿੱਤੀ ਜਾ ਸਕੇ।	ਬੋਲੀ ਹੀ ਮਨੁੱਖੀ ਸਮਾਜ ਵਿੱਚ ਸਤਿਕਾਰ ਦਵਾਉਂਦੀ ਹੈ	ਵੱਖ-ਵੱਖ ਭਾਸ਼ਾਵਾਂ ਬਾਰੇ ਵਿਚਾਰ ਵਟਾਂਦਰਾ
	ਕਹਾਣੀ -ਅੰਗ ਸੰਗ	ਬੈਂਕਾਂ ਦੁਆਰਾ ਕਿਸ ਕਿਸ ਤਰ੍ਹਾਂ ਦੇ ਕਰਜ਼ੇ ਦਿੱਤੇ ਜਾਂਦੇ , ਉਹਨਾਂ ਦੀ ਇੱਕ ਸੂਚੀ ਤਿਆਰ ਕਰੋ।		
	ਪੱਤਰ -11-20	ਨਸ਼ਾ ਕਰਨ ਵਾਲੇ ਵਿਅਕਤੀ ਦਾ ਆਪਣੇ ਪਰਿਵਾਰ ਤੇ ਕਿਹੋ ਜਿਹਾ ਪ੍ਰਭਾਵ ਪੈਂਦਾ ਹੈ। ਇਸ ਬਾਰੇ ਵਿਚਾਰ ਵਟਾਂਦਰਾ ਕਰੋ		https://youtu.be/CVPIXgrY6mE
	ਲੇਖ -11-20			
	ਚਿੱਤਰ ਜਾਂ ਟ੍ਰਿਸ਼ ਦੇ ਆਧਾਰ ਤੇ ਵਰਣਨ			
ਅਗਸਤ	ਕਵਿਤਾ- ਤੂੰ ਮੇਰਾ ਪਿਤਾ ...	ਕੁਦਰਤ ਦੀਆਂ ਦਿੱਤੀਆਂ ਹੋਈਆਂ ਦਾਤਾਂ ਬਾਰੇ ਦੱਸਣਾ	ਪਰਮਾਤਮਾ ਦੇ ਹੁਕਮ ਅਨੁਸਾਰ ਹੀ ਸਭ ਕੁਝ ਵਾਪਰਦਾ ਹੈ।	ਗੁਰੂ ਅਰਜਨ ਦੇਵ ਜੀ ਦੀ ਰਚਨਾ ਸੁਖਮਨੀ ਸਾਹਿਬ
	ਵਾਰਤਕ-ਪ੍ਰਾਰਥਨਾ	ਬੱਚੇ ਆਪਣੇ ਪ੍ਰਾਰਥਨਾ ਕਰਨ ਦੇ ਢੰਗ ਨੂੰ ਵਿਸਥਾਰ ਵਿੱਚ	ਸਾਨੂੰ ਹਮੇਸ਼ਾ ਪ੍ਰਾਰਥਨਾ ਕਰਦੇ ਰਹਿਣਾ ਚਾਹੀਦਾ ਹੈ।	
	ਵਿਆਕਰਨ- ਬਹੁਆਰਥਕ	ਦੱਸਣਗੇ।		
	ਪੱਤਰ -21-30	ਗੁਰਮਤਿ ਨੂੰ ਸੰਗੀਤਕ ਕਲਾ ਨਾਲ ਜੋੜਨਾ		https://youtu.be/NfBFUVKkZGg
	ਲੇਖ-21-30			
	ਅਣਡਿੱਠਾ ਪੈਰਾ, ਅਣਡਿੱਠੀ ਕਾਵਿ ਟੁਕੜੀ			
ਸਤੰਬਰ- ਦੁਹਰਾਈ ਅਤੇ ਪਹਿਲੀ ਇਕਾਈ ਪ੍ਰੀਖਿਆ				

ਅਕਤੂਬਰ	ਕਵਿਤਾ - ਸਤਿਗੁਰੂ ਨਾਨਕ ਪ੍ਰਗਟਿਆ	ਨਾਨਕ ਦੇਵ ਜੀ ਦੀਆਂ ਰਚਨਾਵਾਂ ਦੀ ਸੂਚੀ ਤਿਆਰ ਕਰੋ।		
		ਪੁਰਾਣੇ ਸਮੇਂ ਵਿਚ ਵਰਜਸ਼ ਕਰਨ ਦੇ ਵੱਖ ਵੱਖ ਤਰੀਕਿਆਂ	ਨਸ਼ਾ ਸਿਹਤ ਨੂੰ ਖ਼ਰਾਬ ਅਤੇ ਬਰਬਾਦ ਕਰਦਾ ਹੈ।	
	ਵਾਰਤਕ- ਮੇਰੇ ਵੱਡੇ ਵਡੇਰੇ	ਚਾਰਟ ਤਿਆਰ ਕਰੋ।	ਅਰਦਾਸ ਕਰਨ ਨਾਲ ਮਨੁੱਖ ਪਰਮਾਤਮਾ ਨਾਲ ਜੁੜ ਕੇ	
	ਵਿਆਕਰਨ	ਵੱਖ-ਵੱਖ ਧਰਮਾਂ ਦੇ ਪੂਜਾ-ਸਥਾਨਾਂ ਦੀ ਫੋਟੋ ਲਗਾ ਕੇ ਇੱਕ ਕੋਲਾਜ਼ ਤਿਆਰ ਕਰੋ।	ਆਪਣੇ ਕਾਰਜ ਸਿੱਧ ਕਰ ਲੈਂਦਾ ਹੈ।	ਪੁਰਾਣੇ ਲੋਕਾਂ ਦੇ ਰਹਿਣ ਸਹਿਣ ਨਾਲ ਸਬੰਧਤ ਚਾਰਟ
	ਅਗੇਤਰ ,ਮੁਹਾਵਰੇ -ਚ,ਛ , ਕਿਰਿਆ ਵਿਸ਼ੇਸ਼ਣ ,		ਗਿਆਨ ਪ੍ਰਾਪਤ ਕਰਨ ਨਾਲ ਹੀ ਅਗਿਆਨਤਾ ਦਾ	https://youtu.be/a1FLHCWMPxM
	ਬਹੁ ਅਰਥਕ 61-110		ਦਾ ਹਨੇਰਾ ਦੂਰ ਹੁੰਦਾ ਹੈ।	
	ਲੇਖ-31-40			
	ਪੱਤਰ -31-40			
ਨਵੰਬਰ	ਕਵਿਤਾ-ਜੰਗ ਦਾ ਹਾਲ	ਪੰਜਾਬ ਦੇ ਦਸ ਪ੍ਰਸਿੱਧ ਵੀਰ ਬਹਾਦਰਾਂ ਦੇ ਨਾਂ ਲਿਖੋ।	ਸਮਾਂ ਬਦਲਣ ਨਾਲ ਮਨੁੱਖ ਨੂੰ ਆਪਣੀ ਸੋਚ ਬਦਲਣੀ ਚਾਹੀਦੀ ਹੈ	
	ਇਕਾਂਗੀ -ਦੂਜਾ ਵਿਆਹ	ਦੂਜਾ ਵਿਆਹ ਨਾਟਕ ਜਮਾਤ ਵਿਚ ਕਰਵਾਇਆ ਜਾਵੇਗਾ		ਵੀਰ ਰਸੀ ਕਵਿਤਾ ਗਾ ਕੇ ਸਮਝਾਈ ਜਾਵੇਗੀ
	ਵਾਰਤਕ - ਤੁਰਨ ਦਾ ਹੁਨਰ	ਕਵਿਤਾ ਗਾ ਕੇ ਸੰਗੀਤਕ ਕਲਾ ਨਾਲ ਜੋੜਨਾ।	ਤੁਰਨ ਨਾਲ ਕੁਦਰਤ ਨਾਲ ਸਾਂਝ ਪੈਂਦੀ ਹੈ ਤੇ ਵਿਅਕਤੀ ਬਿਮਾਰੀ ਤੋਂ ਦੂਰ ਰਹਿੰਦਾ ਹੈ	
	ਕਹਾਣੀ -ਧਰਤੀ ਹੇਠਲਾ ਬਲਦ	ਇਕ ਫ਼ੌਜੀ ਨੂੰ ਜੀਵਨ ਵਿੱਚ ਕਿਹੜੀਆਂ ਕਿਹੜੀਆਂ ਔਕੜਾਂ ਦਾ ਸਾਹਮਣਾ	ਔਖੇ ਸਮੇਂ ਵਿਚ ਵੀ ਸਥਰ ਅਤੇ ਸੰਤੋਖ ਰੱਖਣਾ	https://youtu.be/66z-T8qROag
	ਵਿਆਕਰਨ- ਪਿਛੇਤਰ, ਮੁਹਾਵਰੇ ਜ,ਝ	ਕਰਨਾ ਪੈਂਦਾ ਹੈ । ਵਿਚਾਰ ਵਟਾਂਦਰਾ ਕਰੋ।		
	ਚਿੱਤਰ ਵਰਣਨ ਜਾਂ ਦ੍ਰਿਸ਼ ਦੇ ਆਧਾਰ ਤੇ ਵਰਣਨ			
	ਅਣਡਿੱਠੇ ਪੈਰੇ, ਅਣਡਿੱਠੀ ਕਾਵਿ- ਟੁਕੜੀ			
ਦਸੰਬਰ	ਦੁਹਰਾਈ ਅਤੇ ਜਮਾਤ ਦੀ ਪ੍ਰੀਖਿਆ			
ਜਨਵਰੀ	ਦੁਹਰਾਈ			
ਫਰਵਰੀ	ਦੁਹਰਾਈ			
SUBJECT : BIOLOGY				
MONTH	TOPIC\Content	SOURCES\RESOURCES(FOR FLIP LEARNING)	LEARNING OUTCOME(ACTION VERB,OBJECT AND CONDITION BASED)	SUGGESTIVE ACTIVITIES(ART INTEGRATION/SUBJECT ENRICHMENT/EXPERIENTIAL LEARNING)
	LIFE PROCESSES	NCERT book of science for class x		
	WEEK 1 (NUTRITION)	LINK ! : https://youtu.be/VV7-s745Zuc	After reading the text and watching videos the learner	
	1) Autotrophic nutrition (photosynthesis)	LINK 2 : https://youtu.be/KpG7h1Xd3GU	1) will be able to differentiate the organisms on the bases of their feeding habits	

APRIL	2) heterotrophic nutrition		2) will understand the process of formation of food by plants	EXPERIENTIAL LEARNING 1) To observe the process of photosynthesis in a variegated leaf.
	nutrition in human beings	LINK 3 : https://youtu.be/qgXxfpq-Dow	3) develop the knowledge of functioning of different enzymes in human body.	2) EXPERIENTIAL LEARNING to investigate the impact of open and closed stomata on plants life.
			4) can sequentially arrange all the steps of digestion of food in humans.	
	WEEK 2 (RESPIRATION)		After reading the text and watching the videos , the learner will	
	Aerobic respiration	https://youtu.be/2uoCGTAWjl0	1) understand the significance of various steps in the breakdown of glucose	1) identify and list at least ten activities that require energy , also identify the sources of energy in each case.
	anaerobic respiration	https://youtu.be/Uk9HI93YcQ4	2) become more aware about covid _19 pandemic	2) SUBJECT ENRICHMENT To make a short project on causes , effects and methods of protection of covid 19.
	respiration in humans	LINK: https://youtu.be/jmQXiLAdtRM , LINK: https://youtu.be/ZZXzo6ibUiI	3) can interpret the antagonistic nature of photosynthesis and respiration in plants.	
	respiration in plants	https://youtu.be/vkBZTj_lqYM		
	WEEK 3 (TRANSPORTATION)	https://youtu.be/UYFXFCWfB6g	After reading the text and watching the videos the learner	
	structure and function of human heart		1) can identify the different components of transport system of humans	ART INTEGRATION (DRAWING) 1) to identify the position of heart in human body and draw its diagram.
	double circulation	https://youtu.be/SQua9qKoMfs	2) can draw the diagram of human heart and label its different parts,	2) to identify the opening and closing of heart valves through lub - dub sound.
	lymphatic system	https://youtu.be/SQua9qKoMfs	3) able to make the flow chart of direction of movement of blood in human body	
	transport in plants	https://youtu.be/SQua9qKoMfs	4) discover the mechanism of transport of water and food materials in plants.	3) EXPERIENTIAL LEARNING) to observe the effect of less water on the plants.
	WEEK 4 (EXCRETION)		After reading the text and watching videos , the learner	
	structure and function of urinary system in humans	https://youtu.be/SQua9qKoMfs	1) will understand the process of filtration of various waste products in human body	
	formation of urine		2) discover the importance of kidneys in removal of waste products and urine formation.	5) DATA INTERPRETATION - to interpret the relation between intake of water and micturition,
	excretion in plants		3) evaluate the coordination and interdependence of different life processes for the survival of humans	6) PPT To make an ppt on the process of dialysis.
	ASSESSMENT - WEEKLY WRITTEN TEST ,ORAL TEST			
	CONTROL AND COORDINATION			
	WEEK 1 (Response and stimulus , neuron)	https://youtu.be/SQua9qKoMfs	After reading the text and watching videos, the learner will	1) to interpret the feedback mechanism and its importance

MAY	structure of neuron	https://youtu.be/_2q4suUzByc	1) understand the meaning of stimulus and its corresponding response.	2) to discover the interdependency of different sensory receptors
	transmission of impulse	https://youtu.be/_2q4suUzByc	2) able to interpret different sensory receptors and their interdependency. Identify the different types of nerves and their functions. 3) construct the mechanism of transmission of different impulses from one part of the body to another.	3) to observe the touch response in Mimosa pudica.
	WEEK 2 (reflex action, human brain)	https://youtu.be/_2q4suUzByc	After reading the text and watching videos, the learner will	
		https://youtu.be/_2q4suUzByc	1) understand how a stimulus can create a reflex action in the body.	1) to identify and differentiate conditioned and non conditioned reflexes.
			2) investigate and construct different types of reflex actions and reflex arc in response to different stimuli	2) to observe the changes in the body at the time of reflex action
			3) able to analyse the diagram of human brain and relate its different parts with their functions.	
	WEEK 3(endocrine system in humans)	https://youtu.be/DFbSsW7-RPs	1) able to locate the positions of different endocrine glands in our body	
		https://youtu.be/_2q4suUzByc	2) correlate the functions of different hormones in growth, metabolism and development of the body	
	ASSESSMENT PERIODIC TEST 1	SYLLABUS -LIFE PROCESSES (FULL)	PROJECT	
	WEEK 4 (tropic movements in plants , phytohormones)	https://youtu.be/_2q4suUzByc , https://youtu.be/cBa3UZrfttk	1) understand the effect of concentration of different plant hormones on the growth, shoot and root development, on flowering and maturity of the plants.	3)EXPERIENTIAL LEARNING - To observe the nastic movements in sunflower and touch-me-not.
JULY	HOW DO ORGANISMS REPRODUCE?			
	WEEK 1 (importance of reproduction, asexual reproduction)	https://youtu.be/JID5SY_QmR4 https://youtu.be/B7yZtR5EnYw	1) correlate the importance of reproduction for an individual or for a species. 2) understand the different methods of asexual reproduction like fission, fragmentation, regeneration, budding and spore formation etc 3) able to draw diagrams of different types of asexual reproduction.	
	WEEK 2 (sexual reproduction in flowering plants)	https://youtu.be/zdKqb06_nJ8		1) to observe vegetative propagation in bryophyllum, rose, money plant etc.
		https://youtu.be/cV09glldeW8 https://youtu.be/cV09glldeW8	1) understand the concept of sexual reproduction and its difference from asexual reproduction. 2) Correlate the changes in the appearance of flower from bud stage to fruit formation.	2) to observe the different parts of bisexual flower, identification of its different parts and relate their importance in plant reproduction

	WEEK 3 (sexual reproduction in humans , reproductive health)	LINK 1: https://youtu.be/tMf5GNzEEjo https://youtu.be/r3j9opDfNy0 https://youtu.be/jPArGkgziiM	understand the various steps and stages of reproduction in order in humans. 2) identify the need for different contraceptive methods 3) analyse the need for balance sex ratio for a healthy society.	
AUGUST	HEREDITY AND EVOLUTION	https://youtu.be/PRYr9jCuYII		
	WEEK 1(Inherited traits , Mendel's law of inheritance)	https://youtu.be/URy1xzErUK8	identify the common traits in humans and classify them as inherited or acquired traits 2) construct monohybrid and dihybrid cross to calculate the ratios of offsprings through Punnett square.	1 Identify ten acquired and ten inherited traits in humans'
		https://youtu.be/URy1xzErUK8		2) Identify and list five pairs of homologous and analogous traits in plants and in animals.
	WEEK 2 (MONOHYBRID CROSS)	https://youtu.be/6ncwtfVw2ag https://youtu.be/2Zpmp7ovxM	1)construct a cross to show the possibility of male or female child to be born in human beings. 2) will gain the awareness of the fact that scientifically , male or father is responsible of the sex of the baby and not the mother	3) to study the evolutionary history of elephant and horse through evolutionary evidences.
		https://youtu.be/7RBGX2zPAgI	1) understand the evolution by natural selection with the help of given examples.	
	WEEK 4 (DIHYBRID CROSS)	https://youtu.be/v23wCCUQ9fA https://youtu.be/vineMHHCfCQ	1) the learner will assess the natural selection and artificial selection by giving examples.	
	ORAL TEST ,WEEKLY WRITTEN TEST , PROJECT			
SEPTEMBER		REVISION		
		MID TERM EXAMINATION (SYLLABUS)		
		L-5 LIFE PROCESSES (FULL),L-6 CONTROL AND COORDINATION (FULL), L-15 OUR ENVIRONMENT (FULL)		
OCTOBER	OUR ENVIRONMENT	https://youtu.be/wuGwIus8mSw		
	WEEK 1 biosphere, its components, biodegradable and non biodegradable	https://youtu.be/gPZJMcKROZE	understand the definition of ecosystem and its components. 2) correlate the importance of biotic and abiotic components in all ecosystems	1) to construct food chains having three , four and five trophic levels 2) to construct food web formed by interlinking of different food chains.
	WEEK 2	https://youtu.be/Wsh2O2Xe1G0	3) understand the nutritional relationships among different organisms. 4) identify the unique characteristics of food chain and different factors that effect a food chain. 5) become aware about the importance and protection of ozone layer.	3) to calculate the amount of energy transferred among various trophic levels in a food chain. 4) make a project to create and circulate awareness among the society for protection of forests and ozone layer.
	ASSESSMENT	ORAL TEST ,WRITTEN TEST		
		https://youtu.be/7U4nZ8nH_UY		
****	MANAGEMENT OF NATURAL RESOURCES			

	WEEK 3. 1)Importance of management of our resources	https://youtu.be/qcn64Bn68YM	1) Understand the need for management of natural resources.	1) identify , observe and pick five activities of your daily life that are wasting the natural resources.
	2) FORESTS AND WILD LIFE	https://youtu.be/wCB1xvq8MKs	2) critically analyse the importance of forests and all the stake holders attach to it.	2) find and analyse the changes in life style and habits to conserve the natural resources
		https://youtu.be/fCNVdryR-H8	3) interpret the uses of coal and petroleum in present day scenerio.	
	3) Water	https://youtu.be/u2DiDXI5N0E		
	4) coal and petroleum	https://youtu.be/7xGthQny5Jo		
	5) management of resources	https://youtu.be/h1hOK_-iuYk		
***** ONLY FOR INTERNAL ASSESSMENT				
LIST OF PRACTICALS				
1) To make a temporary slide of leaf peel to show the structure of stomata				
2) To show the release of CO₂ during respiration				
Subject : Science (Chemistry)				
MONTH	TOPIC	LEARNING OUTCOMES	SOURCE/RESOURCES (for flipped learning and blended learning)	SUGGESTED ACTIVITIES/ART INTEGRATED/ SUBJECT ENRICHMENT/EXPERIENTIAL LEARNING
APRIL	CHAPTER-1 CHEMICAL REACTIONS AND EQUATIONS	The learners would be able to	NCERT Textbook	
	Introduction to chemical changes and reactions	Demonstrate and verify chemical changes	Link 1: https://www.youtube.com/watch?v=ALSPUp8KbQg	Identify any 5 chemical and physical changes in your daily life processes
	Chemical equation	Relate chemical changes to daily life situations		
	Balancing of chemical equation	Convert chemical change into word equation	Link 2: https://www.youtube.com/watch?v=JP	After watching link 2 write any ten word equations and convert them into formulae.
		Substitute it by symbols and formula	Link 3: https://www.youtube.com/watch?v=ajT9bLMsxWU	Balance the chemical equations given in the assignment.
		Correlate law of conservation of mass to balancing of chemical equations	Link 4: https://phet.colorado.edu/sims/html/balancing-chemical-equations/latest/balancing-chemical-equations_en.html	Try the game, in simulation link based on balancing chemical equations.
	Types of chemical reactions			
	-Combination	Compare the different types of reactions	https://www.youtube.com/watch?v=HmNsQKLg8	To find at least 5 examples of each types of chemical reaction.
	-Decomposition -Displacement -Double displacement	Demonstrate types of chemical reactions		Laboratory based activity for demonstration of various types of chemical reactions.
	-Redox reaction	Compare the reactions as oxidation and reduction	https://www.youtube.com/watch?v=tYKr5ozhvlY	Find out few examples of oxidation and reduction from your daily life

	Oxidation in everyday life	Apply oxidation in daily life	https://www.youtube.com/watch?v=gWPjVF3WFzU	Enlist some instances of corrosion and rancidity from your daily life.
	-Corrosion			Suggest some methods of preventing corrosion of metals.
	-Rancidity			
	CHAPTER-2 ACIDS, BASES AND SALTS			
	Classification of matter – Acids, Bases and Salts	Demonstrate the properties of acids and bases	https://www.youtube.com/watch?v=Jfa2wxpJJB&list=PLCgDuK3YlhBfIK_ERwalpWH9jutqCMAuh&index=44	Enlist any 5 acids and bases present in your home.
	Indicators and its types	Identify the substances as acids or bases		Perform activity given on page no.35 of NCERT
	Chemical properties of acids and bases	List the properties of acids and bases after performing the activities.	https://www.youtube.com/watch?v=0Rf98pXvPrI	Complete the assignment of chemical reactions based on the chemical properties of metals and non-metals
	pH scale- definition and applications	Correlate the pH to acidic, basic and neutral substances.		
		Test the pH of solutions and classify them by noting the color of the pH paper.	https://www.youtube.com/watch?v=r3hirzWILM	Complete table 2.2 of NCERT by performing activity with pH paper
		Discuss the importance of pH in everyday life		
	Salts- its types and pH	Associate formation of salts to various reactions	https://www.youtube.com/watch?v=1NunJbe1	Prepare a table containing ten salts with their respective acids and bases from which they are formed
	Some important salts of Sodium and calcium- preparation, properties and uses.	*Identify the parent acid and base from which the salt is formed		
		Justify the various uses of salts in daily life and industry	https://youtu.be/sxtPP7hTRsU	
	Water of crystallization	understand the meaning and role of water of crystallization in determining the color of the salt	https://www.youtube.com/watch?v=BGhIPzx49jk	*Find out any 5 salts which have water of crystallization
JUNE	SUMMER BREAK			
	CHAPTER-3 METALS AND NON METALS			
	Classification of elements	Demonstrate the properties of metals and non-metals	https://www.youtube.com/watch?v=AJbe5THaNuU	Study the physical properties of metals using small pieces of metals like iron, copper, aluminium, gold and silver by comparing them to objects in the classroom
	Physical properties of metals and non-metals and its applications	Compare the properties of both metals and non-metals		
		Identify the metals and non-metals from the given samples		
	Chemical properties of metals and non-metals	Associate the reactivity of metals on the basis of chemical reactions	https://www.youtube.com/watch?v=YxnN5vLW9F4	After watching the link enlist 5 chemical differences between metals and non-metals
			https://www.youtube.com/watch?v=Sffu3LaRZFM	
	Reactivity series	Tabulate the reactivity series of metals		Solve the assignment based on reactivity series
		Arrange the metals into ascending and descending order of reactivity	https://www.youtube.com/watch?v=19kSxlQWXXko	

	Electron dot structure and ionic bonding	Illustrate electronic configuration of elements		
		Correlate valency and type of bond formed		
AUGUST	Properties of ionic compounds	Draw schematic diagrams and study the properties of ionic compounds	https://www.youtube.com/watch?v=rHKuqgJSU_w	Find out few compounds having ionic bond, also show the electron transfer in them
	Basic metallurgical process	understand the methodology of extraction of metals		Prepare presentation on the extraction of any five metals.
	Corrosion and its prevention.	Correlate the phenomenon of corrosion in daily life and methods to prevent it		Collect pictures where corrosion occurs in your surrounding.
	CHAPTER -4			
	CARBON AND ITS COMPOUNDS			
	Importance of the carbon element	Discover the application of carbon in everyday life	https://www.youtube.com/watch?v=PwD29Gbiw68	Compile the various substances that are used in daily life which contains carbon
	Versatile nature of carbon	Illustrate carbon with 4 valence electrons forming only covalent bonds	https://www.youtube.com/watch?v=gipyujuKMf4	On the basis of tetravalency of carbon enlist any 5 compounds of carbon
	-tetravalency		https://byjus.com/chemistry/introduction-to-carbon-compounds/	
	-catenation			
SEPTEMBER	Covalent bonding in carbon compounds Homologous series	Correlate the number of bonds formed to the number of pairs of electrons shared		Assignment on drawing the electron dot structure of compounds
		Classify the homologous series and its characters		
		Apply the general formula and identify the homologous series	https://www.youtube.com/watch?v=ivy6NBCC6to	Create a chart of homologous series of alkane, alkenes and alkynes on A4 size sheet
			https://www.youtube.com/watch?v=Q7I2R6YWWwo	
	REVISION			
	MID TERM EXAM			
OCTOBER	CHAPTER- 4			
	CARBON AND ITS COMPOUNDS(CONTD.)			
	CHAPTER - 4 Carbon and its Compounds: Nomenclature of carbon compounds containing functional groups (halogens, alcohol, ketones, aldehydes, alkanes and alkynes),	Illustrate the IUPAC nomenclature of organic compounds	https://www.youtube.com/watch?v=9lpPEOA1gIM	On the basis of chemical properties of alcohols and carboxylic acids investigate any 5 uses each of them in daily life
	difference between saturated hydrocarbons and unsaturated hydrocarbons.	The learners would be able to classify hydrocarbons on the basis unsaturation.	https://www.youtube.com/watch?v=qox3ntVY_5M	Tabulate all the functional groups and nomenclature rules.

	Chemical properties of carbon compounds (combustion, oxidation, addition and substitution reaction). Ethanol and Ethanoic acid (only properties and uses),	Compare the different types of organic reactions shown by hydrocarbons.	https://www.youtube.com/watch?v=4pYDst3uZe8	Explore any five applications of chemical reaction of hydrocarbons in industries.
			https://www.youtube.com/watch?v=RqNVLC_oLB_U	Demonstration of esterification in lab
	soaps and detergents	understand preparation, working of soap. differentiate between soaps and detergents	https://www.youtube.com/watch?v=vppFkXW7Dt8	Search the method used by industries for preparation of soap
				Find out the salts that makes the water hard
NOVEMBER	REVISION and TEST			
SUBJECT-PHYSICS				
MONTH	TOPIC	LEARNING OUTCOMES(Action Verb,object and condition based)	SOURCE/RESOURCES (flip/blended learning)	SUGGESTED ACTIVITIES(Art integration /subject enrichment /experiential learning)
APRIL	1-REFLECTION OF LIGHT	•Identify light as a form of energy that affects sight	https://youtu.be/m-21BHddGu0	EXPERIENTIAL LEARNING- Use of concave mirror as a solar concentrator, High beam and low beam headlights of vehicles by concave mirror(or parabolic mirrors)
		• Distinguish between ray and beam • Conceptualize the term Reflection of light and laws of reflection	https://youtu.be/R-rPGtLjxIQ	https://www.youtube.com/watch?v=I_XukVFHfX6A
		• Analyse image formation in plane mirror and name the characteristics of this image • Distinguish between real & virtual image	https://youtu.be/v0sXOq9k6P0	Experiential learning- Determination of the focal length of- i) Concave mirror ii) Convex lens by obtaining the image of a distant object.
		• Comprehend the term spherical mirrors, identify their types and define the terms—pole, aperture, focus principal axis, centre of curvature, radius of curvature focal length.	https://youtu.be/k4Nr4_i-wh0	
		• Discover rules for obtaining image formed by spherical mirrors. • Draw ray diagrams to show formation of image by concave and convex mirror	https://youtu.be/3-VP9j6RqKA	https://www.youtube.com/watch?v=L_MrpY13ypmo
		• Study the formation of image by a concave mirror and a convex mirror for different positions of objects	https://youtu.be/W3JE0OhAZqA	Experiential learning- What happens when sun rays are focussed by a concave mirror on a piece of paper go through above activity link and create your own video

		<ul style="list-style-type: none"> Experimentally find focal length of a concave mirror by focussing the image of a distant object. 	https://youtu.be/P9tPk5jCchQ	
		<ul style="list-style-type: none"> Investigate the uses of plane mirrors, concave mirrors and convex mirrors in our day-to-day life, with the help of activity 	https://youtu.be/AqXjuRie6mY	Subject Enrichment -*How can the image of an object formed in a plane mirror be studied
		<ul style="list-style-type: none"> Analyse that as they see an ambulance coming on the road, should immediately give the way so that the patient inside can reach hospital at earliest 	https://youtu.be/DuaXfkW3wGU . https://youtu.be/_86PsrrubU	
Assesment	Weekly written test, Oral test			
MAY	2-Refraction of Light and Lenses and application of spherical mirrors and lenses	<ul style="list-style-type: none"> Classify optical medium as a rarer or a denser medium. Comprehend definition of refraction of light and represent diagrammatically 	https://youtu.be/_AQI17fXPKo	
		<ul style="list-style-type: none"> Evolve laws of refraction of light, verify them experimentally Interpret the meaning of the term refractive index and its relation to the velocity of light 	https://youtu.be/EWJthSa_6u4	Experiential learning -Tracing the path of a ray of light passing through a rectangular glass slab for different angles of incidence. Measure the angle of incidence, angle of refraction, angle of emergence and interpret the result
		<ul style="list-style-type: none"> Analyse the reason behind everyday phenomena using knowledge of refraction of light Develop definition of a lens Identify types of lens Discover rules for image formation in lenses 	https://youtu.be/Nn_PxgYFRiA	Subject enrichment -Application of convex lens in binoculars, telescope and microscope
		<ul style="list-style-type: none"> Sketch ray diagrams to locate image in convex and concave lenses Study the image formed by lenses 	https://youtu.be/KKvRLDa-dv8	
		<ul style="list-style-type: none"> Experimentally find the focal length of convex lens by focussing the image of a distant object 	https://youtu.be/RMfuREaITWM	
		<ul style="list-style-type: none"> Comprehend the lens formula and magnification formula Solve numerical problems 	https://youtu.be/QOM-J22AM7I	
		<ul style="list-style-type: none"> Develop meaning of power of lens, state and define its unit. 	https://youtu.be/Csv4Wi2a1lQ	
Assesment	Quiz, Weekly written test, Periodic test-1 syllabus-chapter Light			
JUNE	SUMMER BREAK			
JULY	CHAPTER-11 Human Eye and Colourful World			Art integration - To Prepare a Scrap book on defects of human eye and its correction.
	1-Functioning of lens in human eye, defects of vision and their corrections			
	2- Refraction of light through a glass prism	<ul style="list-style-type: none"> Draw the shape of the prism and define angle of prism. Trace the path of a ray of light through a glass prism Develop meaning of angle of deviation 	https://youtu.be/JsaUCH6f5pU	Experiential learning -Observe the bending of pencil and raising of coin, lemon in pure water and write your observation regarding phenomenon of refraction

	3-Dispersion of light	<ul style="list-style-type: none"> • Comprehend the term dispersion of light • Develop the meaning of spectrum & name its colours • Deduce the cause of dispersion 	https://youtu.be/G4YX6xNNXDc	Art integration -Try to disperse the white light coming from sun by the soap bubble and click the pictures. 2- To show that white light is the combination of seven colours by using Newton's Disc
Assesment	Model Making			
AUGUST		<ul style="list-style-type: none"> • Illustrate that white light is composed of seven colours • Logically analyse the reason for the formation of rainbow. 	https://youtu.be/rMQli-Gmz2w	Subject enrichment - Make a report on how to improve health of human eye
	3- Atmospheric Refraction	<ul style="list-style-type: none"> • Discover that atmosphere consists of layers of air having different densities. 	https://youtu.be/KIAxm1UEOGc	Experiential learning -*Observe the colour of sun in the morning, noon and evening for 5 days and write the observations. Now discuss with your friends and teacher the reason behind the different observations
		<ul style="list-style-type: none"> • Justify how stars appear to twinkle but planets do not twinkle. • Deduce the reason for apparent position of star due to refraction 		Experiential learning -Tracing the path of the rays of light through a glass prism
		<ul style="list-style-type: none"> • Understand the reason for advanced sunrise and sunset • Understand the reason for advanced sunset 		
	3- Scattering of light	<ul style="list-style-type: none"> • Develop concept of scattering of light and Tyndall Effect • Infer that the colour of Scattered light depends on the size of particles • Reason out the blue colour of the sky & red colour of sun at sunrise • Observe the scattering of blue light by colloidal solution 	https://youtu.be/F0WBGw3fims	
SEPTEMBER	MID-TERM EXAM			
	CHAPTER 12- ELECTRICITY	<ul style="list-style-type: none"> • Identify charge as a fundamental quantity. <ul style="list-style-type: none"> • Develop meaning of electric current and its unit, electric potential, potential difference and their units. 	https://youtu.be/0AaCcJ_j4mw	Experiential learning -With the help of an activity show the impact of intensity of light in series and parallel combination. By using 3-bulbs, battery , switches , connecting wires etc.
		<ul style="list-style-type: none"> • Evolve Ohm's law and express it mathematically. 	https://youtu.be/phg401i2GQI	
		<ul style="list-style-type: none"> • Verify Ohm's law experimentally. 		
		<ul style="list-style-type: none"> • Develop meaning of resistance using Ohm's law • List the factors which affect resistance. 	https://youtu.be/6xyg1Ohu7BE	
		<ul style="list-style-type: none"> • Explain resistivity, Conductors, resistors & insulators 	https://youtu.be/jEmMTUyUKsA	*Make a list of conductor , insulator and write their properties

OCTOBER		<ul style="list-style-type: none">Experimentally determine the factors affecting resistance	https://youtu.be/7w7MiieTPjk	
		<ul style="list-style-type: none">Calculate effective resistance in series and in parallel combination	https://youtu.be/JIwGgQrK684	
		<ul style="list-style-type: none">Experimentally verify the laws of resistances in series and in parallel	https://youtu.be/oCQeF7WRNgs	
	2- Heating effect of current	<ul style="list-style-type: none">Analyse the uses of conductors, resistors and insulators.Observe that heat is produced due to flow of current	https://youtu.be/zqapY8PSB6M	
		<ul style="list-style-type: none">State Joule’s law and express it mathematicallyRecognise application of commercial unit of energy in our daily life	https://youtu.be/sWd5dd8RG_A	Subject Enrichment -*Calculate the electricity bill of your house for the month of August by Calculating power, energy consumption by appliances
		<ul style="list-style-type: none">Infer that appliances of higher power consume more energy. So to save energy, use of high power appliances should be minimizedDiscover applications of heating effect of electric current like fuse, heaters.	https://youtu.be/7YrjrHAWqcM	
Assesment	Weekly written and oral test			
NOVEMBER	CHAPTER 13- Magnetic Effect of Electric Current 1. Magnets 2. Magnetic effect of electric current	<ul style="list-style-type: none">Recall magnets and list their important properties	https://youtu.be/3lusVaE4Gx0	Experiential learning -After watching link 2 and 3 Draw magnetic field lines around a bar magnet? With the help of compass
		<ul style="list-style-type: none">Conceptualize magnetic field lines and list their properties	https://youtu.be/ETJWrsJtN9I	
		<ul style="list-style-type: none">Experimentally trace magnetic lines of force	https://youtu.be/Dm686nrNnfc	
		<ul style="list-style-type: none">Interpret construction of Solenoid & electro-magnet and their uses	https://youtu.be/mpOg-qGwHiM	
		*Comprehend and apply right hand thumb rule to find out direction of magnetic field	https://youtu.be/8hFWFtFBFpM	
		<ul style="list-style-type: none">Experimentally study the force acting on a current carrying conductor	https://youtu.be/lahQXNvZxt8	
		<ul style="list-style-type: none">Comprehend and apply Fleming’s Left hand rule for finding direction of force on a current carrying conductor	https://youtu.be/GkD8RMEXi6s	
			https://youtu.be/IGfO7MKVxmg	
			https://youtu.be/17ePwh-bg_4	
		Magnetic effect of electric current Domestic electric circuit	*Able to know about electric generator and differentiate between AC and DC current	Differentiate between the appliances available in your home in which AC and DC current flow and also write their characteristics
Assesment	Synopsis and worksheet			
DECEMBER	FLT			
JANUARY	PREBOARD			
SUBJECT:SOCIAL SCIENCE				

MONTH	TOPIC	Learning Outcome (Action Verb, Object & Condition based)	SOURCES/ RESOURCE (For flip & blended learning)	Suggestive Activities (Art integrated/subject enrichment/ experiential learning
	Geography Resources & development	· Understand the value of resources	Textbook Contemporary India - II, online E-learning portal School Bhawan NCERT, QR code given in the chapter may be used to consult the resource. https://mhrd.gov.in for Resources And Development www.india.gov.in Department of Land Resources	• The teacher may take cue from their write up and discuss about different types of resources by giving examples from the surroundings. • Flowchart may be used to discuss about types of Resources and their examples. • Students may prepare a short note on the need of resource planning in India.
		& the need for the judicious utilization & conservation,		
		· classification of resources, analyses the impact of conservation of natural resources on the life of people, identifies land use categories,		
		· causes of land degradation & its consequences and appreciates methods of soil conservation.		
	Forest and Wild	· Understand the importance of	For spatial distribution of	• The teacher may initiate the discussion with the
	Life	forests and wild life in one environment as well as develop concept towards depletion of resources,	forests in India, refer to — “State Forest Report	help of Newspaper clippings related to forest fire and wildlife in India and the world.
		· analyses indigenous and modern methods of conservation of forests and wildlife,,	/node/489615	• Students may talk with their parents or grandparents about the harmonious relationship between human beings and nature during their childhood days. They may also ask their parents and grand parents about the changes they observe in their surroundings. Students may prepare a write up on this and share with teacher and classmates through email or Whatsapp.
		· appreciates the role of community in conservation of forests and wildlife.		• Students may prepare a list or Flow chart of flora and fauna which are Endangered/ Vulnerable/Extinct,
	Political Science	· Familiarize with centrality of	Power Sharing in India	• Students may be asked to prepare a short note on
	Power Sharing	power sharing in a democracy.	https://en.m.wikipedia.org PPT on Power Sharing	the Power sharing and share it with their peers. Through e-mail WhatsApp.
		· Understand the working of spatial and social power sharing mechanism.	.net)	• Discuss with your parents on the functioning of Democracy

March

			<ul style="list-style-type: none"> Design a mock parliament and make a note of the issues to be discussed during the different sessions of the Parliament. Share with your friends on mobile phone, email, WhatsApp.
			<ul style="list-style-type: none"> Prepare a Flow Chart on different Organs of the Government.
Oral Test			
Water	Comprehend the importance of water	Methods of rain water	<ul style="list-style-type: none"> Teacher can share various techniques of
Resources	as a resource as well as develop awareness towards its judicious use & conservation.	harvesting https://theconstructor.org/methods... For rain water harvesting methods & techniques	harvesting system with students during ancient times as well as in the modern era
		https://www.conserve-energy-future.co...	<ul style="list-style-type: none"> Students can share their videos how they can conserve water at homes in daily life and harvest rainwater for use at home.
		www.chaitanyaproducts.com	
		steps taken by the central govt.to promote rainwater harvesting in india.	
Agriculture	<ul style="list-style-type: none"> Identify the various types of 	https://revisionworld.com/type	<ul style="list-style-type: none"> Students can ask their parents & grandparents
	farming & discuss various farming methods,	s-farming, https://krishijagran.com/agripedia/important-government-schemes-programmes-in-agriculture	about different types of crops grown in different seasons, from the newspaper they can collect the information about various government schemes for peasants.
	<ul style="list-style-type: none"> Describe the spatial distribution of major crops as well as understand the relationship between rainfall regimes & cropping pattern. 		<ul style="list-style-type: none"> Students can make chart for differentiating various methods of farming.
	<ul style="list-style-type: none"> Explain various government policies for institutional as well as technological reforms since independence. 		
Minerals & Energy Resources	Identify the different types of minerals and energy resources & places of their availability.	India - Resources and power Britannica ww	Only map related questions are part of syllabus. On the Political map of
Manufacturing Industry	<ul style="list-style-type: none"> Bring out the importance of 		<ul style="list-style-type: none"> Charts can be made by the students showing the
	industries in the national economy as well as understand the regional disparities which resulted due to concentration of industries in some areas,	Role of Major Industries in Indian Economic Development	classification of industries and a flow chart on value addition in textile industry,
	<ul style="list-style-type: none"> Discuss the need for a planned industry & development and debate over the role of government towards sustainable development. 		<ul style="list-style-type: none"> On political map of India major textile industries,
		Ministry of Heavy Industries - Industries National Portal of India	iron & steel plants and Software Technological Parks can be locatedand

			www.india.gov.in > topics > industries	Project work given in NCERT book at the end of the chapter will be discussed with students.
			Indian Cotton Industry: Cotton Exporters, Manufacturers in India	
			www.ibef.org > Exports	
			Iron & Steel Industry in India: Production, Market Size, Growth...	
			www.ibef.org > Industry	
	MCQ and Oral Test			
	Lifelines of National Economy		Transport Department - Transport National Portal of India	Student can make a table showing different means of transportation.
	(Only map)	Explain the importance of transport & communication in the ever shrinking world,	www.india.gov.in > topics > transport	On political map of India major seaports and international airports located & labelled.
	Economics	Familiarize with the concepts of macroeconomics.	Understanding Economic Development	Project –Socio-Economic Impact of the Pandemic COVID19 Develop project on the socio-economic issues that can arise due to the pandemic COVID19 locally and globally.
	Development	Understand the rationale for overall human development in our country, which includes the rise of income, improvements in health and education rather than income.	NCERT Book	Ponder over the following and prepare the project.
		Understand the importance of quality of life and sustainable development.		<ul style="list-style-type: none"> How will the disaster effect the economic growth and development of various countries?
				<ul style="list-style-type: none"> What are the factors that have led to the spread of this pandemic which is said to have originated in Wuhan, China to all over the world?
				<ul style="list-style-type: none"> Who are the most vulnerable sections of the society during disasters?
				<ul style="list-style-type: none"> What are the factors determining vulnerability?
				<ul style="list-style-type: none"> Which are the sectors that will be affected more by
				the disaster? Classify it into primary, secondary and tertiary sectors.
				<ul style="list-style-type: none"> How will it affect people who have taken loans especially from the non-formal sources of credit?
				<ul style="list-style-type: none"> What steps has the government undertaken in

April				<p>response to the disaster?</p> <ul style="list-style-type: none"> What are the creative solutions that can be taken up to reduce the impact? When disaster strikes, what can we do? <p>(This project will help in preparing the students for the next academic session as it covers all the chapters in the Class X Economics textbook. As the student reads through the hints provided and tries to find answer to the questions or ponder over them, they will learn about the content in the chapters: development, sectors of the economy, money and credit and globalisation.</p> <p>Poster Making: Prepare posters on the measures that can be taken to avoid the disaster of the pandemic-COVID 19</p> <p>Prepare posters demonstrating the economic impact of the disaster on the vulnerable groups. Or Prepare posters/painting of the changes that they see in the environment after the lockdown.</p>
	Sectors of the	· Identify major employment	https://www.drishtiias.com	· Students can prepare one chart
	Indian Economy	generating sectors.	https://msme.gov.in	different economic activities in different sectors.
		· Reason out the investment in different sectors of economy		· Teacher will explain the different sectors based on nature of activities, working conditions and ownership by taking examples from daily life.
				· One activity to calculate the GDP conducted by the Teacher. (Given in NCERT Book)
	Money and Credit	· Understand money as an economic concept.	https://Indian.money.com	· Pictures of Bank Draft and Cheque will be shown to differentiate between the
		· Understand the role of financial institutions from the point of view of day to day life.	https://www.lopol.org	· Parents can be advised to give practical knowledge related to the working of
		Economics-Ch 1,2 Geography-Ch		
	Periodic Test	6,7	https://www.iasexpress.net	

May	The Rise of Nationalism in Europe	<ul style="list-style-type: none"> explains the concept of nationalism and the inherent features of a nation 		<ul style="list-style-type: none"> The students may be advised to interpret a primary source: ‘What is a Nation’ by Ernst Renan. (p. 4) The students may identify the inherent features of a nation in the source.
		<ul style="list-style-type: none"> recognises the role of French revolution in spreading ideas of liberty and equality in Europe. analyse how the idea of nationalism and its various forms emerged in Europe. 		
		<ul style="list-style-type: none"> describes the role of revolutionaries in the creation of nation states. recognises the role of language in developing nationalist sentiments explains how female allegories came to represent the nation. observes map of Europe after 1815 and draws comparisons after creation of nation states. 		<ul style="list-style-type: none"> The teacher may ask students to prepare a chart listing those measures taken by French revolutionaries to create a sense of collective identity. The chart may also contain visuals/images. The teacher may prepare a set of ten quiz items on the role of the French revolution in spreading the idea of the nation in Europe. Students may be encouraged to participate in the quiz. The teacher may encourage students to draw comparison between a nation – state and monarchy along with examples. The teacher may prepare a glossary of terms from
			Giuseppe Mazzini e-Resources India and the C	
				the textbook such as Plebiscite, Conservatism, Suffrage, Nationalism, Nation-State, Allegory, etc., and share with students.
				<ul style="list-style-type: none"> The students may be asked to: ♦ make a comparative chart on the development of Germany and Italy as nation states. Students may be divided into two groups- one group may work on Germany and the other on Italy. After completion a discussion may be initiated. ♦ gather information and analyse the role of the Italian revolutionaries
				<ul style="list-style-type: none"> Mazzini and Giuseppe Garibaldi and their vision
	History	<ul style="list-style-type: none"> Recognize the characteristics of 	India and the Contemporary	
	Nationalism in India	<ul style="list-style-type: none"> Indian nationalism through a case study of Non-Cooperation and Civil 	World Political Map of India	<ul style="list-style-type: none"> The teacher may ask students to prepare a chart listing those measures taken by Indian

June		Disobedience Movement, Analyse the nature of the diverse social movements of the time,	https://neostencil.com Satyagraha against the Rowlatt Act- First mass strike, https://www.britannica.com Jallianwala Bagh Massacre- Causes, History & Significance, https://knowindia.gov.in Culture & Heritage-Freedom struggle-The Non-Cooperation Movement, https://youtu.be/wj8Gf1rkJK8 , web.delhi.gov.in > Nationalism in India Delhi Government portal,	identity. The chart may also contain visuals/images.
		· Familiarize with the writings and ideals of different political groups and individual,	https://en.m.wikipedia.org	· The student may be asked to make a comparative chart on the development of Non-Cooperation Movement and Civil Disobedience Movement, Students may be divided into two groups, one group may work on Non-Cooperation and other on Civil Disobedience.
		· Appreciate the ideas promoting Pan Indian belongingness.		· Gather information and analyse the role of Mahatma Gandhi and other important leaders in Indian National Movement.
				· On Political map of India important congress sessions and places related to National Movement will
Assessment	Weekly Test			
			Indian Nationalism	
July	Federalism	· Analyse federal provisions and institutions.	Federalism in India	• Locate places on the world map on countries having
		· Explain decentralisation in rural and urban areas.	https://en.m.wikipedia.org www.thehindu.com Decentralization https://en.m.wikipedia.org	federal political system.
				• Prepare write-up on unique features of Federalism and Unitary System of Government.
				• Discuss with parents on what makes India a federal Country.
				• You may prepare a Chart giving items mentioned in
				the Union, State and in the Concurrent Lists.
	Gender, Religion, and caste	Identify and analyses the challenges posed by communalism to Indian democracy.	Ncert.nic.in	Students can make a chart on sexual division of labour, various fields in which women are discriminated.
		Develop a gender prospective on politics.		
	Political	Analyse the party system in democracies	Party System	· Students can prepare a chart to give detail

	Parties	Introduction to major political parties, challenges faced by them and reforms in the country.	https://en.m.wikipedia.org Politics of India https://en.m.wikipedia.org	information of National Political parties under the headings: year of foundation, founder members, party symbol, ideology, party supremo, main leaders.
				Collect the photographs and news related with various functions of political parties.
Assessment	Revision Test			
August	Outcomes of	· Evaluate the functioning of	Accountability	· Discussion on economic outcomes of the
	Democracy	democracies in comparison to alternative forms of government.	https://en.m.wikipedia.org Democratic Accountability www.shareweb.ch	democracy.
		· Understand the causes for continuation of democracy in India.		
		· Distinguish between sources of strengths and weaknesses of Indian democracy.		
Assesment				
August	Globalization	Examine the concept of	https://youtu.be/JJOnFD19eT8	· Students can take some branded products that
	and the Indian Economy	globalization and its	https://economictimes.indiatimes.com	they use everyday and check which of these are produced by MNCs
	To be evaluated in the Board Examination:	definition, evolution, and		· Students can collect information and
	What is Globalization?	impact on the global		from newspapers, magazines, books, television, internet of any Indian industry on the following aspects various producers /companies in the industry: product is exported to other countries, are there MNCs among the producers, condition of work in the industry
	Factors that have enabled Globalisation	economy.		• Negative impact of Globalisation : Spread of COVID19
		Explore the details of the		
		key drivers of globalization, such as advances in communication and transportation technology, the growth of international		
		trade, and the role of institutions such as the		
		World Trade Organization. Examine the significance of role of G20 and its		
		significance in the light of		
		India's present role.		
	Print Culture and	Identify the link between the print	https://diksha.gov.in/play/colle	· Students can compare the print revolution and its

September	the Modern World	culture and the circulation of ideas.	ction	impact in Europe with those in India.
	Mid Term Exams			
		Familiarize with the pictures, cartoons, extract from propaganda		
	The Making of Global World	Explore various aspects of how the world changed profoundly in the 19th century in terms of Economic, Political, Social, Cultural and technological areas. □ Analyse the destructive impact of colonialism on the economy and the livelihoods of colonised people.	https://youtu.be/Lh2bfNal-Z8	Timeline of important events
Assessment				Students can collect the information regarding food production in different parts of the world
October	Sub topic 1 The pre modern world	literature and newspaper debates		.
	Sub topic 2: 19th century 1815 -1914	on important events and issues in the past.		
	Sub topic 3: The inter- war economy			
	Sub topic 4: Rebuilding of world economy: the post war era.	Understand that forms of writing		
		have a specific history, and that they reflect historical changes within society and shape, the forces of change.		
Assessment	MCQ ,Oral Test			
November	Revision			
Assessment	Weekly Test/Quiz			
December	REVISION FLT			
January	REVISION			
	Pre-Board			