

BCM SCHOOL**A Sr. Sec School Affiliated to CBSE, New Delhi****Class -X Annual Academic Calendar**

Session 2023-2024

ENGLISH SYLLABUS**NCERT Books : First Flight, Footprints Without Feet**

Month	Topic	Sources / Resources FLIPPED LEARNING/ BLENDED LEARNING	SUBJECT ENRICHMENT/ ART INTEGRATED/EXPERIENTIAL LEARNING	Learning Outcomes
Apr.	A Letter to God	<u>NCERT Book First Flight</u> https://youtu.be/DBzLlkppShI	turn coat	problem solving skills
	Poem - Dust of Snow	First Flight PPT	lyrical presentation	optimism
	Poem - Fire and Ice	First Flight PPT https://youtu.be/dZ3B_PzWAPY	comic Strip	understanding different human emotions and their effect on society
	How to Tell Wild Animals	<u>First Flight</u> https://youtu.be/g2sy5Ae4IA8	music integration activity	comparison of character traits of humans and animals
	Poem : A Tiger in the Zoo	<u>First Flight</u> https://youtu.be/liD6dCQZ_Ho	patch work on literary devices	empathy
	A Triumph of Surgery	<u>Footprints Without Feet</u> https://youtu.be/A3zytWmzT3Q		problem solving
	Nelson Mandela : Long Walk to Freedom	<u>First Flight Film clips</u> https://youtu.be/MzysvXv5AK8	Role Play	Resilience
	The Thief's Story	<u>Footprints Without Feet</u> https://youtu.be/LrIQM-ESUGs	case study	significance of trust ,kindness and loyalty
	Two stories about flying	First Flight https://youtu.be/Q9QUBfERq2Y https://youtu.be/b1w9XB9x-Dc	story telling	decision making
May	The Midnight Visitor	<u>Footprints Without Feet</u> https://youtu.be/V6ocIRhs0yQ		wisdom overpowers all other traits
	Poem - The Ball Poem	<u>First Flight</u> https://youtu.be/PVr2HVJNSFg	compose a poem with same title	epistemology of loss

	A Question of Trust	<u>Footprints Without Feet</u> https://youtu.be/hTCjCar1ZMg		professional ethics
	Formal Letters	bbc		writing skills
	Analytical	bbc	data analysis	writing skills
	Paragraph			
	From the Diary of Anne Frank	<u>First Flight</u> https://youtu.be/iqJYyb4-p3g	diary entry	social skills
	Poem - Amanda	<u>First Flight</u> https://youtu.be/RB3QUeoGIHA	drawing poetry	interpersonal communication skills
	Sentence Transformation	bbc		grammar skills
July	Footprints without Feet	<u>Footprints Without Feet</u> https://youtu.be/z5OCiXPUVxM		intellectualism
	The Making of a Scientist	<u>Footprints Without Feet</u> https://youtu.be/YDQVir2o_18		renaissance and regeneration
	Poem-The Trees	<u>First Flight</u> https://youtu.be/vPbkQ2joyRg		
	Glimpses of India Part-1 A Baker from Goa	<u>First Flight</u> https://youtu.be/yNPMrtOX-Bs	project on historical places of India	analytical skills
	Part-2 Coorg	https://youtu.be/VGFDdxygs-c		analytical skills
	Part-3 Tea from Assam	https://youtu.be/V0HqV52MkqY		Accumulating information about origin of tea plants.
	Poem-Fog	<u>First Flight</u> https://youtu.be/1Mze7h89YFg		understanding the natural phenomenon
Aug.	The Necklace	https://youtu.be/AuXiRChOCIO	Characterize the protagonist in emotional and social context	Identifying the use of situational irony.
	Mijbil the Otter	<u>First Flight</u> https://youtu.be/Istt_0kWKGg	Write and discuss characteristics of your favourite animal	Evaluating the characteristics of the otters

	The Tale of Custard the Dragon	https://youtu.be/C-RUPeCeUhE	Create an insightful short story using the same title.	Maturing ability to respond to a situation
	Bholi	Footprints Without Feet https://youtu.be/WqigiVtuaUQ	Exchange views about gist of the story.	Knack to triumph over complexes
	The Sermon at Benares	First Flight https://youtu.be/VWgm5xijNrl	diary entry describing character traits of your neighbour.	Realization of Philosophy of life.
	Madam Rides the Bus	First Flight	Travelogue	Life Skills
Sept.	MID TERM EXAMINATION			
Oct.	The Proposal	https://youtu.be/QzocSnSpUOk		Introspection of strengths and weaknesses
	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	Bbc		Advancing and maturing imagination skills
विषय हिंदी				
पाठ्यक्रम				
मास	पाठ्यक्रम	सुझावात्मक क्रियाकलाप (गतिविधियां) /कला एकीकरण	संसाधन/फिल्पड /मिश्रित अधिगम	सीखने के प्रतिफल
अप्रैल	नेताजी का चश्मा	सुभाष चंद्र बोस के बारे में जानकारी एकत्रित करना ।स्वतंत्रता सेनानियों के चित्र का कोलाज	नेताजी का चश्मा https://youtu.be/G9HZO-5NIKU	देशभक्ति की भावना का विकास होगा ।
			N.C.E.R.T, E-pathshala पर उपलब्ध सामग्री देख सकते हैं ।	आर्थिक संसाधनों की कमी को लक्ष्य प्राप्ति में बाधा नहीं बनने देना ।
			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 ।
	हुए वाक् चातुर्य से संबंधित कला का वर्णन करना ।		
	वाक् चातुर्य में निपुण तेनालीराम और बीरबल की कहानियां पढ़ें ।		पाठ से ग्रामीण परिवेश की जानकारी जुटाना।
	सूरदास के पदों का संगीत कला से प्रस्तुतिकरण		
माता का अंचल	पुराने और नए खेलों में अंतर स्पष्ट करते हुए पीपीटी बनाना	पाठ्य-पुस्तक	बच्चे के लिए मां 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 ।
	प्रधान व आश्रित उपवाक्य अलग करें।		
	उद्देश्य और विधेय में अंतर स्पष्ट करें।		पाठ्य पुस्तक में प्रयुक्त वाक्यों का रूपांतरण सीखना/
पद परिचय	वाक्यों में भिन्न-भिन्न प्रकार के शब्दों का ज्ञान देते हुए विभिन्न शब्दों का पद परिचय सिखाया जाएगा ।	पाठ्य पुस्तक, श्यामपट्ट,चाक ,ई-सामग्री,अतिरिक्त पुस्तक	पद परिचय में प्रयुक्त व्याकरण के विषयों की संपूर्ण जानकारी प्राप्त करें ।

		प्रश्नोत्तरी		पाठ्य पुस्तक में प्रयुक्त वाक्यों के अंतर्गत पद परिचय बताना ।
	विज्ञापन	विज्ञापन प्रस्तुतिकरण	पाठ्य पुस्तक, श्यामपट्ट,चाक ,ई-सामग्री,अतिरिक्त पुस्तक	सूचना व प्रसारण
			पाठ्य पुस्तक, श्यामपट्ट,चाक ,ई-सामग्री,अतिरिक्त पुस्तक	आकर्षक लेखन शैली
		चित्र कला		
			ई - पाठशाला पर सहायक सामग्री देखें।	
			जनसंचार माध्यम अखबार ,टी.वी.पर विज्ञापन देखें ।	
	राष्ट्रीय प्रेम से संबंधित अनुच्छेद	उदाहरण और काव्य पंक्ति का उल्लेख करना	व्याकरण	विचार अभिव्यक्ति की क्षमता का विकास
				सामाजिक और राष्ट्रीय प्रेम में वृद्धि ।
		अनुच्छेद की रूपरेखा तैयार करना ।	विभिन्न पुस्तकें	लेखन क्षमता का विकास ।

मई	बालगोबिन भगत	विधवा विवाह विषय पर वाद-विवाद करें।	बालगोबिन भगत का चित्र दिखाना।	भगत के व्यक्तित्व की जानकारी एकत्रित करना।
			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	
	तुलसीदास	राम लक्ष्मण परशुराम संवाद का नाटक में प्रस्तुतिकरण करना	पाठ्य पुस्तक, श्यामपट्ट, चाक ,ई-सामग्री, अतिरिक्त पुस्तक	साहस के साथ-साथ विनम्रता का भाव होना।
			रामचरितमानस पढ़ें।	
		अभिनय कला	https://youtu.be/zySlsYrkfXk	
	वाच्य परिवर्तन	वाच्य पहचान कर वाच्य के भेद बताना।	पाठ्य पुस्तक, श्यामपट्ट, चाक ,ई-सामग्री, अतिरिक्त पुस्तक	वाच्य का अर्थ व भेदों का ज्ञान।
				पाठ्य पुस्तक में से वाक्य रूपांतरण सीखना।
			वाच्य परिवर्तन	
	अलंकार	पाठ्य पुस्तक की कविताओं में से अलंकार छांट कर उसका भेद बताएं।	पाठ्य पुस्तक, श्यामपट्ट, चाक ,ई-सामग्री, अतिरिक्त पुस्तक	अलंकारों की उदाहरण सहित जानकारी मिलेगी
				अलंकारों के भेदों का ज्ञान होगा

	औपचारिक पत्र	संबोधन व अभिवादन पत्र में सीखें ।	व्याकरण पुस्तक टी.वी., समाचार पत्र, नेट पुस्तके	पत्र लेखन कला का विकास ।
		सम-सामायिक विषयों से संबंधित पत्र लिखें ।	व्याकरण	अभिव्यक्ति कौशल का विकास ।
				बौद्धिक क्षमता में वृद्धि
	स्ववृत्त लेखन	औपचारिक विषयों पर स्ववृत्त	व्याकरण	स्ववृत्त लेखन कला की जानकारी
जुलाई	लखनवी अंदाज	किसी खाद्य वस्तु का रसास्वादन करने के लिए प्रस्तुतिकरण करें	पाठ्य पुस्तक, श्यामपट्ट,चाक ,ई-सामग्री,अतिरिक्त पुस्तक	दिखावटी शान में जीवन जीने वालों को जानना ।
		लखनऊ 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 ।	आधुनिक कहानीकारों के कहानी लेखन का ज्ञान देना
		पाक कला		
	संदेश लेखन	संदेश लेखन प्रस्तुतिकरण ।	व्याकरण-पुस्तक श्यामपट्ट,चाक ,ई-सामग्री,अतिरिक्त पुस्तक	आकर्षण लेखन शैली
			अखबारों के माध्यम से संदेश लेखन की कला सीखना ।	
			व्याकरण-पुस्तक, श्यामपट्ट,चाक ,ई-सामग्री,अतिरिक्त पुस्तक	

	अनौपचारिक पत्र	संबोधन व अभिवादन सीखें।	व्याकरण-पुस्तक, श्यामपट्ट,चाक ,ई-सामग्री,अतिरिक्त पुस्तक	पत्र लेखन कला
				अभिव्यक्ति कौशल का विकास
		सम-सामायिक विषयों से संबंधित पत्र लिखें ।	विभिन्न पुस्तकें	बौद्धिक क्षमता में वृद्धि।
अगस्त	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	
	उत्साह, अट नहीं रही है	होली 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।	बादलों में छिपी क्रांतिकारी 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 ।	फागुन महीने में प्रकृति में बदलावों को जानना।
		चित्र-कला	https://youtu.be/WSXTGESbJ-M	

	ई -मेल	विभिन्न विषयों पर ई-मेल लेखन	व्याकरण	ई -मेल लेखन कला का विकास
सितंबर	अर्द्धवार्षिक परीक्षा		पाठ्य पुस्तक, श्यामपट्ट,चाक ,ई-सामग्री,अतिरिक्त पुस्तक	प्राकृतिक सौंदर्य का मानव जीवन पर प्रभाव।
	पुनरावृत्ति			
अक्टूबर	साना-साना हाथ जोड़ि	अपनी किसी पर्वतीय यात्रा का वर्णन करना ।	प्राकृतिक सौंदर्य का चित्र	सीमा पर लड़ने वाले जवानों की समस्याओं से परिचित होना ।
		पहाड़ी क्षेत्र में रहने वाले मेहनती लोगों के बारे में जानकारी इकट्ठी करना ।	https://youtu.be/yWDM3G91S64	
		वीडियो बनाना		
	*** दंतुरित मुस्कान ,	बच्चे के हाव -भावों को कविता या अनुच्छेद के रूप में लिखें ।	पाठ्य पुस्तक, श्यामपट्ट,चाक ,ई-सामग्री,अतिरिक्त पुस्तक	बच्चे की मुस्कान का मानव मन पर प्रभाव ।
		पी.पी.टी.	https://youtu.be/ovUvc9rhRuM	एक पिता के हृदय की भावनाओं को समझना।

	फसल	एक सुदृढ़ कृषि व्यवस्था के लिए अपने सुझाव देते हुए अखबार के संपादक को पत्र लिखें।	पाठ्य पुस्तक, श्यामपट्ट,चाक ,ई-सामग्री,अतिरिक्त पुस्तक	फसल की उत्पत्ति में सहायक तत्वों की जानकारी
		बागवानी	https://youtu.be/w2Qifqk5FRs	फसल की उत्पत्ति में सहायक तत्वों की जानकारी
नवंबर	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 को कक्षा में सांझा करना।	विभिन्न पुस्तकें	एक कलाकार की कला के प्रति निष्ठा एवं समर्पण को जानना।
	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/H2Jjez0FswI	संगतकार के त्याग को समझना
	विचारपरक अनुच्छेद	उदाहरण और काव्य पंक्ति का उल्लेख		ज्ञान में वृद्धि
दिसंबर				

	ਪ੍ਰਕ ਕਾਲੀਨ ਬੋਡ ਪਰੀਖਾ	ਪਾਠਯਕ੍ਰਮ ਸੇ ਸੰਬੰਧਿਤ ਸਭੀ ਪ੍ਰਸ਼ਨਾਂ ਕੋ ਪੂਰਨ ਰੂਪ ਸੇ ਤੈਧਾਰ ਕਰਨਾ ।	ਪ੍ਰਕ ਪਰੀਖਾਓਂ ਕੇ ਪ੍ਰਸ਼ਨ ਪਤਰ ਔਰ ਸੈਂਪਲ ਪੇਪਰ	ਪ੍ਰਕ ਕਾਲੀਨ ਬੋਡ ਪਰੀਖਾ ਕੋ ਲੇਕਰ ਵਾਰਿਕ ਬੋਡ ਪਰੀਖਾ ਕਾ ਲਿਖਿਤ ਕ ਸੌਖਿਕ ਅਭਯਾਸ ਹੋਗਾ
ਪੰਜਾਬੀ				
ਮਹੀਨਾ	ਪਾਠਕ੍ਰਮ	ਕਿਰਿਆਤਮਕ ਗਤੀਵਿਧੀ / ਕਲਾ ਏਕੀਕਰਨ	ਗਿਆਨ ਪ੍ਰਾਪਤੀ	ਸਹਾਇਕ ਸਮੱਗਰੀ
ਅਪ੍ਰੈਲ	ਕਵਿਤਾ- ਸੇ ਕਿਉ ਮੰਦਾ ਆਖੀਐ	ਔਰਤ ਮਾਂ ਦੇ ਰੂਪ ਵਿਚ ਕੀ-ਕੀ ਕਰਤੱਵ ਨਿਭਾਉਦੀ ਹੈ ਇਕ ਸੂਚੀ ਤਿਆਰ ਕਰੋ	ਕਿਸੇ ਤੇ ਕੁਝ ਵੀ ਮੰਗਣਾ ਬਹੁਤ ਜ਼ਿਆਦਾ ਔਖਾ ਹੁੰਦਾ ਹੈ।	ਨਾਰੀ ਸ਼ਕਤੀ ਨਾਲ ਸਬੰਧਤ ਵੀਡੀਓ ਦਿਖਾਉਣੀ।
	ਕਹਾਣੀ- ਕੁਲਫੀ	ਕੁਲਫੀ ਕਹਾਣੀ ਨਾਲ ਢੁੱਕਦੀ ਕੋਈ ਹੋਰ ਘਟਨਾ ਲਿਖੋ।	ਅਨਿਆਂ ਦੇ ਵਿਰੁੱਧ ਆਵਾਜ਼ ਉਠਾਉਣੀ ਚਾਹੀਦੀ ਹੈ।	ਵੰਨਗੀ
	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 ਉਪਬੋਲੀਆਂ 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 ਸੇਧ 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 ਦ੍ਰਿਸ਼ 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 ਖਰਾਬ 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 ਵਿੱਚ 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 ਐਕੜਾਂ ਦਾ ਸਾਹਮਣਾ	ਐਥੇ ਸਮੇਂ ਵਿਚ ਵੀ ਸਬਰ 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:-Mathematics					
MONTH	TOPIC	LEARNING OUTCOMES	SOURCE/RESOURCES	SUBJECT ENRICHMENT ACTIVITIES	MULTIPLE ASSESSMENT,ART INTEGRATED AND EXPERIENTIAL LEARNING ACTIVITIES
	CH1:REAL NUMBER				

MARCH	Fundamental Theorem of Arithmetic -	applies logical reasoning in classifying real numbers, proving their properties and using them in different situations.	National Digital	To find HCF of two numbers experimentally	Group Activity: Students will design two real life situations based on HCF and LCM.
	statements after reviewing work		library of India(NDLI)		
	done earlier and after illustrating		LINK:		(Experiential learning)
	and motivating through through		http://ndl.iitkgp.ac.in		
	examples, Proofs of $\sqrt{2}$, $\sqrt{3}$, $\sqrt{5}$		Diksha App		
	irrationality.		CBSE web site		
			www.cbseacademic.nic.in		
	CH2: POLYNOMIALS	Find the zeros of a polynomial			
	Zeros of a polynomial. Relationship	by means of graph, where it			
	between zeros and coefficients of	intersects the x-axis			
	quadratic polynomials.	Relate the zeroes of the			Cross word puzzle.
		quadratic polynomial $ax^2 + bx$			(Multiple Assessment)
		+ c with the coefficients a, b, c			
	CH3: PAIR OF LINEAR EQUATIONS IN TWO				

	VARIABLES			To find the condition for consistency or inconsistency	
				of pair linear equations in two variables	
APRIL		Students will learn to apply their			
	Graphical method of a pair of linear equations	critical thinking to express real			
	find their solution,	life situations in linear equations	Digital library of		
	consistency /inconsistency.	in two variable and to plot the	India(NDLI)		Case Study Based Questions (Real life situations)
	Algebraic conditions for number of	graph. Students will also learn to	LINK:		(Multiple Assessment)
	solutions. Solution of a pair of	solve a system of linear	http://ndl.iitkgp.ac.in		
	linear equations in two variables	equation by the method of	Diksha App CBSE web site		
	algebraically - by substitution, by	substitution and elimination.	www.cbseacademic.nic.in		
	elimination. Simple situational				
	problems.				
	CH4: QUADRATIC EQUATIONS				PPT based on Number syestem and Algebra (Art Integated Activity)
	Standard form of a quadratic	demonstrates strategies of finding roots of			
	equation $ax^2 + bx + c = 0$, ($a \neq 0$).				
	Solutions of quadratic equations	quadratic equation by using			
	(only real roots) by factorization,	different methods like			

	and by using quadratic formula.	factorization and quadratic			
	Relationship between discriminant	formula			
	and nature of roots.				
	CH5: ARITHMETIC				
	PROGRESSIONS				
MAY	Motivation for studying Arithmetic	apply the concept of AP to daily life situation		To verify that the sum of n natural numbers is given by	
	Progression Derivation of the nth				
	term and sum of the first n terms of				
	A.P.and Application in solving daily life problems				
	CH6:TRIANGLES				
	Periods Definitions, examples,	Students will learn the	Digital library of	To verify experimentally Basic Proportionality	
	counter examples of similar	principle of similarity .Use of	India(NDLI)\	Theorem	
	triangles.	BPT	LINK:		
	1. (Prove) If a line is drawn parallel	in different situations. They	http://ndl.iitkgp.ac.in		Explanation of similarity of triangles using different cut-outs made of coloured sheets.
	to one side of a triangle to intersect	will be able to know that	Diksha App		
	the other two sides in distinct points,	how principle of similarity	And CBSE web site		(Art Integrated Activity)
	the other two sides are divided in the	can be applied in	www.cbseacademic.nic.in		

	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 VACATIONS				
JULY	CH7:COORDINATE GEOMETRY	Locate points in 2-dimensional			

	LINES (In two-dimensions) Periods	Cartesian coordinate system			
	Review: Concepts of coordinate	Apply the formula and calculate			
	geometry, graphs of linear	distance between two points on		<i>To verify distance formula by</i>	Charts depicting Rangoli designs and spirals based on AP
	equations. Distance formula.	a plane		<i>graphical method.</i>	(Experiential Learning)
	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.			
	CH8:TRIGONOMETRY:				
	INTRODUCTION TO TRIGONOMETRY				
	Trigonometric ratios of an acute angle of a	Develop understanding of			
	right-angled triangle. Proof of their	trigonometric ratios of an			
	existence (well defined). Values of the	acute angle of a right angled			
	trigonometric ratios of 30° , 45° and 60° .	triangle			
	Relationships between the ratios.				
	CH8:TRIGONOMETRIC		Digital library of	T0 Experimentally find the height of a building using .	
	IDENTITIES	Tabulate and make use of	India(NDLI)	a clinometer	

	Periods	trigonometric ratios of standard	LINK:		
	Proof and applications of the	angles of , 30° , 45° , 60° to right	http://ndl.iitkgp.ac.in		
	identities.	angled triangle	Diksha App		
	simple identities to be		And CBSE web site		
	given.		www.cbseacademic.nic.in		
AUGUST	CH9:HEIGHTS AND DISTANCES:	Students will be able to learn			
	Angle of elevation, Angle of	the use of trigonometric ratios			
	Depression	to find the heights and distance			
	Simple problems on heights and	of distant objects.			
	distances. Problems should not				
	involve more than two				
	right triangles. Angles of				Collage Making Activity based on Algebra and Geometry
	elevation / depression should be				(Art Integrated Activity)
	only 30° , 45° , 60° .				
	CH10:CIRCLES				
	Tangent to a circle at, point of contact			To verify length	

	1. (Prove) The tangent at any	Students will learn the concept		of tangents	
	point of a circle is	of circle and different		drawn from an	
	perpendicular to the radius	properties related to circle .		external point	
	through the point of contact			to a circle are	
	2.(Prove) The lengths of tangents			equal.	
	drawn from an external point				
	to a circle are equal.				
SEP	REVISION &MID TERM EXAM.				
OCT	CH12:AREAS RELATED TO CIRCLES		Digital library of		
			India(NDLI)		
	area of sectors and segments of a	Students will learn the concept	LINK:		
	circle. Problems based on areas	of area of combination of plane	http://ndl.iitkgp.ac.in		
	and perimeter / circumference of	figures .They will learn how this	Diksha App		
	the above said plane figures. (In	concept is useful in designing	And CBSE web site		Toy Making and Logical games based on mensuration
	calculating area of segment of a	parks and flower beds.	www.cbseacademic.		(Experiential Learning and Art integrated Activity)
	circle, problems should be		nic.in		

	restricted to central angle of				
	60°and 90° and 120° only.				
	CH13: SURFACE AREAS AND				
	VOLUMES	Students will learn the concept	Digital library of		
		to find area and volume of	India(NDLI)		
	Surface areas and volumes of	different combination of solids	LINK:		
	combinations of any two of the		http://ndl.iitkgp.ac.in		
	following: cubes, cuboids,	.	Diksha App		
	spheres, hemispheres and right		And CBSE web site		
	circular cylinders/cones.		www.cbseacademic.nic.in		
			nic.in		
NOVEMBER	CH 14:STATISTICS :		Digital library of		
	Mean, median and mode of	Calculate the average from	India(NDLI)		
	grouped data (bimodal situation	grouped data using different	LINK:		
	and step deviation method for	methods i.e. direct, assumed	http://ndl.iitkgp.ac.in		
	finding the mean to be avoided).	mean and step deviation method	Diksha App		
		Determine the modal class in a	CBSE web site		

		group data and calculate mode	www.cbseacademic.nic.in		
		using the formul			Tesellation Art from different Geometrical Pattern
					(Art Integrated Activity)
				To verify probability of an event	
				through experiment	
	CH15:PROBABILITY				
	Classical definition of probability. Simple	Student will learn how to judge			
	problems on finding the probability of an	and justify the value of decision	Use of cards, coins and dice as teaching aids.		
	event.				QUIZ BASED ON PROBABILITY
DEC.	REVISION AND PRE BOARD				
	EXAM.				

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	<ul style="list-style-type: none"> 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)		
		<ul style="list-style-type: none"> 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=IXukVFHfX6A		
		<ul style="list-style-type: none"> 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.		
		<ul style="list-style-type: none"> 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			
		<ul style="list-style-type: none"> 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=LMrpY13ypmo		
		<ul style="list-style-type: none"> 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/_86PsrjubrU			
Assesment Weekly written and 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/Csv4Wi2a1IQ			

Assesment, Periodic test -1						
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/KlAxm1UEOGc	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 - Examination						

OCTOBER	CHAPTER 12- ELECTRICITY	<ul style="list-style-type: none"> Identify charge as a fundamental quantity. 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. Verify Ohm's law experimentally. □ 	https://youtu.be/phg401i2GQI			
		<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/iEmMTUyUKsA	*Make a list of conductor , insulator and write their properties		
		<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/JlwGgQrK684			

		<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, resisters 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 mathematically Recognise 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 minimized Discover 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	Art integration- To draw the domestic electric circuit(by using different colours) for two rooms and highlights the role of live. Neutral and earth wire	
Assesment synopsis and worksheet					
DECEMBER FLT (Full Length Test)					
JANUARY PREBOARD					
Class :- X	Subject : Science (Chemistry)			Session :- 2022-2023	
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	: https://www.youtube.com/watch?v=JPCpMg	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=HmNsQKLrgh8	To find at least 5 examples of each types of chemical reaction.		
	-Decomposition	Demonstrate types of chemical reactions		Laboratory based activity for demonstration of various types of chemical reactions.		
	-Displacement					
	-Double displacement					

	-Redox reaction	Compare the reactions as oxidation and reduction	https://www.youtube.com/watch?v=tYKr5ozhvIY	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					
MAY	pH scale- definition and applications					
	Classification of matter – Acids, Bases and Salts	Demonstrate the properties of acids and bases	https://www.youtube.com/watch?v=Jfa2wxpJJBA&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=r3hirzIWILM	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=1NunJbe1f	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=BGhIPzx49ik	*Find out any 5 salts which have water of crystallization		
JUNE	SUMMER BREAK					
JULY	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=19kSxlQWXKo			
	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 metallurgic process	understand the methodology of extraction of metals		Prepare presentation on the extraction of any five metals.		
	Corrosion and its prevention.	Corellate 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 COMPOUND					
	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	Illustrate the IUPAC nomeclature 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		
	functional groups (halogens, alcohol, ketones, aldehydes, alkanes and alkynes),					
	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 nomeclature rules.		
	Chemical properties of carbon compounds (combustion, oxidation, addition and	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.		

	substitution reaction). Ethanol and Ethanoic acid (only properties and uses),		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						

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)		
APRIL	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 habbits			
	2) hetrotrphic nutrition		2) will understand the process of formaton 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/2uoCGTAWjI0	1) understand the significance of various steps in the breakdown of glucose	i1)identify and list at least ten activities that require energy , also idenify 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		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 idetify the different components of transport system of humans	ART INTEGRATION (DRAWING)1)to identify the postion 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 a ppt on the process of dialysis.		
	Assessment - Weekly written & oral test	ORAL TEST QUIZ GROUP DISCUSSION				
MAY	CONTROL AND COORDINATION					

	WEEK 1 (Response and stimulus , neuron	https://youtu.be/SQua9qKoMfs	After reaading the text and watching videos, the learner will	1) to interpret the feed back mechinism and its importance		
	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 intrprete different sensory receptors and their interdependency. Identify the different types of nerves and there 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 reaading 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 idetify and differentiate conditioned and non conditioned reflexes.		
			2) investigate and construct different types of reflex actions and reflex arc in response to different stimuls	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 postions of different endocrine glands in our body			

		https://youtu.be/_2q4suUzByc	2) co relate the functios of different hormones in growth ,metabolism and development of the body			
	ASSESMENT PERIODIC TEST 1	SYLLUBUS -LIFE PROCESSES (FULL)	PROJECT			
	WEEK 4 (tropic movements in plants , phytohormones)	https://youtu.be/_2q4suUzByc , https://youtu.be/cBa3UZrfttk	1) understan dthe 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) corelate the importance of reproduction for an indiviual or for a species. 2) understand the different methods of asexual reproduction like fission, fragmentation, regeneration, buding and spore formation etc 3) able to draw diagrames 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	1) understand the concept of sexual reproduction and its difference from asexual reproduction. 2) Corelate 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		

		https://youtu.be/cV09gIIdW8			
	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) constuct monohybrid and dihybrid cross to calculate the ratios of offsprings through Punnet square.	1 Idetify ten acquired and ten inherited traits in humans'	
		https://youtu.be/URy1xzErUK8		2) Idetify and list five pairs of homologus and analogous traits in plants and in animals.	
	WEEK 2 (MONOHYBRID CROSS)	https://youtu.be/6ncwtfVw2ag	1)constuct a crossto show the possibility og male or female child to be born io human beings. 2) will gain the awariness of the fact that scientifically , male or father is responsible of the sex of the baby and not the mother	3) to study the evoulationaly history of elephant and horse through evolutionary evidences.	
		https://youtu.be/2Zpmy7ovxM			

		https://youtu.be/7RBGX2zPAgl	1) understand the evolution by natural selection with the help of given examples.		
	WEEK 4 (DIHYBRID CROSS)	https://youtu.be/v23wCCUQ9fA	1) the learner will assess the natural selection and artificial selection by giving examples.		
		https://youtu.be/vineMHHCFcQ			
ASSESSMENT	ORAL TEST ,WEEKLY WRITTEN TEST , PROJECT				
SEPTEMBER	REVISION				
	MID TERM EXAMINATION (SYLLABUS)				
	L-5 LIFE PROCESSES (FULL),L-6 CONTROL AND CORDINATION (FULL), L-15 OUR ENVIORNMENT (FULL)				
OCTOBER	OUR ENVIORNMENT	https://youtu.be/wuGwlus8mSw			
	WEEK 1	https://youtu.be/gPZJMcKROZE	understand the definition of ecosystem and its components. 2) corelate the importance of biotic and abiotic components in all ecosystems	1) to construct food chains having three , four and five trophic levels 2) to constuct food web formed by interlinking of different food chains.	
	biosphere, its components, biodegradable and non biodegradable				
	WEEK 2	https://youtu.be/Wsh2O2Xe1G0	3) understand the nutritional relationships among different organisms. 4) identify the unique characterstics 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 awarness 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 habbits 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				
		To make a temporary slide of leaf peel to show the structure of stomata				

		To show the release of CO ₂ during respiration				
Class X Social Science						
(2023-2024)						
Month	Topic	Learning outcome	Source/Resource	Suggestive activities		
		(Action Verb, Object & Condition based)	(For flip/blended learning)	(Art integrated/subject enrichment/ experiential learning)		
March	Geography Resources & development	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> The teacher may take cue from their write up and discuss about different types of resources by giving examples from the surroundings. 		
		& the need for the judicious utilization& conservation,		<ul style="list-style-type: none"> Flowchart may be used to discuss about types of Resources andtheir examples. 		
		<ul style="list-style-type: none"> classification of resources, analyses the impact of conservation of natural resources on the life of people, identifies land use categories, 		<ul style="list-style-type: none"> Students may prepare a short note on the need of resource planning in India. 		
		<ul style="list-style-type: none"> causes of land degradation & its consequences and appreciates 				
		methods of soil conservation.				
	Forest and Wild	<ul style="list-style-type: none"> Understand the importance of 	For spatial distribution of	<ul style="list-style-type: none"> 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 of India”, Government of India, www.fsi.nic.in Web Resource Online E-learning portal School Bhuvan NCERT for interactive thematic maps https://h5p.org	help of Newspaper clippings related to forest fire and wildlife in India and the world.		
		<ul style="list-style-type: none"> analyses indigenous and modern methods of conservation of forests and wildlife,, 	/node/489615	<ul style="list-style-type: none"> 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. 		
		<ul style="list-style-type: none"> appreciates the role of community in conservation of forests and wildlife. 		<ul style="list-style-type: none"> Students may prepare a list or Flow chart of flora and fauna which are Endangered/ Vulnerable/Extinct, 		
				etc.		
	Political Science	<ul style="list-style-type: none"> Familiarize with centrality of 	Power Sharing in India	<ul style="list-style-type: none"> 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 will beshared during class (www.slideshare	the Power sharing and share it with their peers. Through e-mail WhatsApp.		
		<ul style="list-style-type: none"> Understand the working of spatial and social power sharing mechanism. 	.net)	<ul style="list-style-type: none"> Discuss with your parents on the functioning of Democracy 		

				<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. 		
Assessment	Oral Test					
April	Water	Comprehend the importance of water	Methods of rain water	<ul style="list-style-type: none"> Teacher can share various techniques of rainwater 		
	Resources	as a resource as well as develop awareness towards its judicious use & conservation.	harvesting https://theconstructor.org/metadata/hods...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.		Only map related questions are part of syllabus. On the Political map of India mineral & energy resources will be marked.		
			India - Resources and power Britannica www.britannica.com › place › Resources-and-power			
	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 located and labelled.		
			www.india.gov.in › topics › industries	<ul style="list-style-type: none"> 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			
Assessment	MCQ and Oral Test					

May	Lifelines of National Economy	<ul style="list-style-type: none"> Explain the importance of transport & communication in the ever shrinking world, 	Transport Department - Transport National Portal of India	Student can make a table showing different means of transportation. On political map of India major seaports and international airports located & labelled.		
		<ul style="list-style-type: none"> Understand the role of trade & tourism in the economic development of a country. 	www.india.gov.in > topics > transport			
			Importance of tourism https://www.sciencedirect.com			
			/science/article/pii/S2314721017300063			
	Economics	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 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.		
		<ul style="list-style-type: none"> 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 		
			response to the disaster?		

				<ul style="list-style-type: none"> What are the creative solutions that can be taken up to reduce the impact? 		
				<ul style="list-style-type: none"> 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</p>		
				<p>environment after the lockdown.</p>		
	Sectors of the	<ul style="list-style-type: none"> Identify major employment 	https://www.drishtiias.com	<ul style="list-style-type: none"> Students can prepare one chart related to 		

	Indian Economy	generating sectors.	https://msme.gov.in	different economic activities in different sectors.		
		<ul style="list-style-type: none"> Reason out the investment in different sectors of economy 		<ul style="list-style-type: none"> Teacher will explain the different sectors based on nature of activities, working conditions and ownership by taking examples from daily life. 		
				<ul style="list-style-type: none"> One activity to calculate the GDP conducted by the Teacher. (Given in NCERT Book) 		
	Money and Credit	<ul style="list-style-type: none"> Understand money as an economic 	https://Indian money.com	<ul style="list-style-type: none"> Pictures of Bank Draft and Cheque will be shown 		
		concept.	https://www.lopol.org	to differentiate between the two.		
		<ul style="list-style-type: none"> Understand the role of financial institutions from the point of view of day to day life. 	https://www.iasexpress.net	<ul style="list-style-type: none"> Parents can be advised to give practical knowledge 		
				related to the working of banks.		
		Economics-Ch 1,2 Geography-Ch				
Assessment	Periodic Test	6,7				

July	The Rise of Nationalism in Europe	<ul style="list-style-type: none"> explains the concept of nationalism and the inherent features of a nation 	Guisepppe Mazzini e-Resources India and the Contemporary World II http://ncert.nic.in/textbook/textbook.htm?iess3=2-5 https://www.britannica.com/biography/Giuseppe-Mazzini/Triumvir-of-republican-Rome	<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) 		
		<ul style="list-style-type: none"> recognises the role of French revolution in spreading ideas of liberty and equality in Europe. 		<ul style="list-style-type: none"> The students may identify the inherent features of a nation in the source. 		
		<ul style="list-style-type: none"> 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. 		<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. 		
		<ul style="list-style-type: none"> recognises the role of language in developing nationalist sentiments 		<ul style="list-style-type: none"> 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. 		
		<ul style="list-style-type: none"> explains how female allegories came 		<ul style="list-style-type: none"> The teacher may encourage students to draw comparison between a nation – state and monarchy along with examples. 		
		to represent the nation.		<ul style="list-style-type: none"> The teacher may prepare a glossary of terms from 		

		<ul style="list-style-type: none"> observes map of Europe after 1815 and draws comparisons after creation of nation states. 				
		.		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 Giuseppe 		
				<ul style="list-style-type: none"> Mazzini and Guiseppe 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	<ul style="list-style-type: none"> The teacher may ask students to prepare a chart listing those measures taken by Indian revolutionaries to create a sense of collective 		

			Political Map of India			
		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.		
		<ul style="list-style-type: none"> Familiarize with the writings and ideals of different political groups and individual, 	https://en.m.wikipedia.org	<ul style="list-style-type: none"> 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 		
		<ul style="list-style-type: none"> Appreciate the ideas promoting Pan Indian belongingness. 		<ul style="list-style-type: none"> Gather information and analyse the role of Mahatma Gandhi and other important leaders in Indian National Movement. 		
				<ul style="list-style-type: none"> On Political map of India important congress sessions and places related to National Movement will be shown. 		
Assessment	Weekly Test		Indian Nationalism			
August	Federalism	<ul style="list-style-type: none"> Analyse federal provisions and institutions. 	Federalism in India	<ul style="list-style-type: none"> Locate places on the world map on countries having 		

		<ul style="list-style-type: none"> Explain decentralisation in rural and urban areas. 	https://en.m.wikipedia.org www.thehindu.com Decentralization https://en.m.wikipedia.org	federal political system.		
				<ul style="list-style-type: none"> Prepare write-up on unique features of Federalism and Unitary System of Government. 		
				<ul style="list-style-type: none"> Discuss with parents on what makes India a federal Country. 		
				<ul style="list-style-type: none"> 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	Ncert.nic.in	Students can make a chart on sexual division of		
		challenges posed by communalism to Indian democracy.		labour, various fields in which women are discriminated.		
		Develop a gender prospective on politics.				
	Political Parties	Analyse the party system in democracies	Party System	<ul style="list-style-type: none"> Students can prepare a chart to give detail 		
		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 supreme, main leaders.		

				Collect the photographs and news related with various functions of political parties.		
	The Age of Industrialization	<ul style="list-style-type: none"> Familiarization with the Pro-to- 	e-Resources India and the	<ul style="list-style-type: none"> Students may be asked to prepare a chart 		
		Industrial phase and Early-factory system,	Contemporary World II http://ncert.nic.in/textbook/textbook.htm?iess3=2-5	explaining fig.1 & fig.2 given in the chapter.		
		<ul style="list-style-type: none"> Familiarize with the process of Industrialization and its impact on labour class, 		<ul style="list-style-type: none"> Students may be asked to give two examples where modern development that is associated with progress has led to problems. They may like to think of the areas related to environmental issues, nuclear weapons or disease. 		
		Enable them to understand industrialization in the colonies with reference to Textile industries.		<ul style="list-style-type: none"> The teacher may prepare a glossary of terms from the textbook such as Spinning, Fuller, Carding, Proto, Orient, Sepoy, Fly shuttle, Spinning Jenny and share with students. 		
				<ul style="list-style-type: none"> Students may write their views on Fig.3, 7 & 11 given in the Textbook why many workers were opposed to the use of Spinning Jenny. 		
				<ul style="list-style-type: none"> Students may write down about an industry and how they advertise their products in the market. 		
Assessment	Revision Test					

September	Outcomes of	<ul style="list-style-type: none"> Evaluate the functioning of 	Accountability	<ul style="list-style-type: none"> 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.		
		<ul style="list-style-type: none"> Understand the causes for continuation of democracy in India. 				
		<ul style="list-style-type: none"> Distinguish between sources of strengths and weaknesses of Indian democracy. 				
Assesment	Mid Term					
	Exam					
October	Globalization of the Indian Economy	Explain the working of the Global	https://youtu.be/JJOnFD19eT8	<ul style="list-style-type: none"> Students can take some branded products that 		
		Economic Phenomenon	https://economictimes.indiatimes.com	they use everyday and check which of these are produced by MNCs		
				<ul style="list-style-type: none"> Students can collect information and photographs 		

				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		
				<ul style="list-style-type: none"> Negative impact of Globalisation : Spread of COVID19 		
November	Print Culture and the Modern World	<ul style="list-style-type: none"> Identify the link between the print 	https://diksha.gov.in/play/colle	<ul style="list-style-type: none"> Students can compare the print revolution and its 		
		culture and the circulation of ideas.	ction	impact in Europe withthose in India.		
		<ul style="list-style-type: none"> Familiarize with the pictures, cartoons, extract from propaganda 				
		<ul style="list-style-type: none"> Recalls names, places, dates and people associated with some important historical events and developments such as nationalism and globalisation 				

	The Making of Global World	<ul style="list-style-type: none"> Assesses impact of global transfer 				
		of disease in pre modern world in different regions of the world				
		<ul style="list-style-type: none"> Interprets sea and land links of the trade from India to West Asia and other parts of the world. 	https://youtu.be/Lh2bfNal-Z8	Timeline of important events		
				Students can collect the information regarding food production in different parts of the world		
		literature and newspaper debates		.		
		on important events and issues in the past.				
		<ul style="list-style-type: none"> Understand that forms of writing 				
		have a specific history, and that they reflect historical changes within society and shape, the				
		<ul style="list-style-type: none"> forces of change. 				
Assessment	MCQ ,Oral Test					
Assessment	REVISION Weekly test/Quiz					
December	Revision FLT/ Revision					
January	Pre-Board					

