

**NEW PLANNER CLASS X      SESSION (2024 - 2025 )**  
**SUBJECT: ENGLISH CLASS-X**

**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	<a href="https://youtu.be/DBzLkppShI">NCERT Book First Flight https://youtu.be/DBzLkppShI</a>	turn coat	problem solving skills
	Poem - Dust of Snow	First Flight PPT <a href="https://youtu.be/c2Tg8MVU_jw">https://youtu.be/c2Tg8MVU_jw</a>	lyrical presentation	optimism
	Poem - Fire and Ice	First Flight PPT <a href="https://youtu.be/dZ3B_PzWAPY">https://youtu.be/dZ3B_PzWAPY</a>	comic Strip	understanding different human emotions and their effect on society
	Nelson Mandela : Long Walk to Freedom	First Flight Film clips <a href="https://youtu.be/MzyszXv5AK8">https://youtu.be/MzyszXv5AK8</a>		empathy
	How to Tell Wild Animals	First Flight <a href="https://youtu.be/g2sy5Ae4IA8">https://youtu.be/g2sy5Ae4IA8</a>	music integration activity	comparison of character traits of humans and animals
	Poem : A Tiger in the Zoo	First Flight <a href="https://youtu.be/liD6dCQZ_Ho">https://youtu.be/liD6dCQZ_Ho</a>	Visual presentation	empathy
	A Triumph of Surgery	Footprints Without Feet <a href="https://youtu.be/A3zytWmzT3Q">https://youtu.be/A3zytWmzT3Q</a>		problem solving
	Nelson Mandela : Long Walk to Freedom	First Flight Film clips <a href="https://youtu.be/MzyszXv5AK8">https://youtu.be/MzyszXv5AK8</a>	Role Play	Resilience
	The Thief's Story	Footprints Without Feet <a href="https://youtu.be/LrIQM-ESUGs">https://youtu.be/LrIQM-ESUGs</a>	case study	significance of trust ,kindness and loyalty
	Two stories about flying	First Flight <a href="https://youtu.be/Q9QUBfERq2Y">https://youtu.be/Q9QUBfERq2Y</a> <a href="https://youtu.be/b1w9XB9x-Dc">https://youtu.be/b1w9XB9x-Dc</a>	story telling	decision making

<b>May</b>	The Midnight Visitor	<a href="https://youtu.be/V6ocIRhs0yQ">Footprints Without Feet https://youtu.be/V6ocIRhs0yQ</a>		wisdom overpowers all other traits
	Poem - The Ball Poem	<a href="https://youtu.be/PVr2HVJNSFg">First Flight https://youtu.be/PVr2HVJNSFg</a>	VISUAL presentation	epistemology of loss
	A Question of Trust	<a href="https://youtu.be/hTCjCar1ZMg">Footprints Without Feet https://youtu.be/hTCjCar1ZMg</a>		professional ethics
	Formal Letters	bbc		writing skills
	Analytical Paragraph	bbc	data analysis	writing skills
	From the Diary of Anne Frank	<a href="https://youtu.be/iqJYyb4-p3g">First Flight https://youtu.be/iqJYyb4-p3g</a>	diary entry	social skills
	Poem - Amanda	<a href="https://youtu.be/RB3QUeoGIHA">First Flight https://youtu.be/RB3QUeoGIHA</a>	Poetic Interpretation	interpersonal communication skills
	Sentence Transformation	bbc		grammar skills
<b>July</b>	Footprints without Feet	<a href="https://youtu.be/z5OCiXPUVxM">Footprints Without Feet https://youtu.be/z5OCiXPUVxM</a>		intellectualism
	The Making of a Scientist	<a href="https://youtu.be/YDQVir2o_18">Footprints Without Feet https://youtu.be/YDQVir2o_18</a>	Timeline of Chapter	renaissance and regeneration
	Poem-The Trees	<a href="https://youtu.be/vPbkQ2joyRg">First Flight https://youtu.be/vPbkQ2joyRg</a>		
	Glimpses of India Part-1 A Baker from Goa	<a href="https://youtu.be/yNPMrtOX-Bs">First Flight https://youtu.be/yNPMrtOX-Bs</a>	Journey Journal	analytical skills
	Part-2 Coorg	<a href="https://youtu.be/VGFDdxygs-c">https://youtu.be/VGFDdxygs-c</a>		analytical skills
	Part-3 Tea from Assam	<a href="https://youtu.be/V0HqV52MkqY">https://youtu.be/V0HqV52MkqY</a>		Accumulating information about origin of tea plants.
	Poem-Fog	<a href="https://youtu.be/1Mze7h89YFg">First Flight https://youtu.be/1Mze7h89YFg</a>		understanding the natural phenomenon
<b>Aug.</b>	The Necklace	<a href="https://youtu.be/AuXIRChOCIO">https://youtu.be/AuXIRChOCIO</a>	Characterize the protagonist in emotional and social context	Identifying the use of situational irony.

	Mijbil the Otter	<a href="https://youtu.be/lstt_0kWKGg">First Flight https://youtu.be/lstt_0kWKGg</a>	Write and discuss characteristics of your favourite animal	Evaluating the characteristics of the otters
	The Tale of Custard the Dragon	<a href="https://youtu.be/C-RUpECeUhE">https://youtu.be/C-RUpECeUhE</a>	Create an insightful short story using the same title.	Maturing ability to respond to a situation
	Bholi	<a href="https://youtu.be/WqjgiVtuaUQ">Footprints Without Feet https://youtu.be/WqjgiVtuaUQ</a>	Exchange views about gist of the story.	Knack to triumph over complexes
	The Sermon at Benares	<a href="https://youtu.be/VWgm5xijNrl">First Flight https://youtu.be/VWgm5xijNrl</a>	diary entry describing character traits of your neighbour.	Realization of Philosophy of life.
	Madam Rides the Bus	<a href="#">First Flight</a>	Travelogue	Life Skills
<b>Sept.</b>	MID TERM EXAMINATION			
<b>Oct.</b>	The Proposal	<a href="https://youtu.be/QzocSnSpUOk">https://youtu.be/QzocSnSpUOk</a>	Dramatization	Introspection of strengths and weaknesses
	Poem-For Anne Gregory	<a href="https://youtu.be/JZzbgODNdZM">First Flight https://youtu.be/JZzbgODNdZM</a>	Portray the Protagonist Of the story	
	The Book That Saved The Earth	<a href="https://youtu.be/YWulfZIOFGO">Footprints Without Feet https://youtu.be/YWulfZIOFGO</a>	Visualize a fictional story and share	
	Comprehension passages	Bbc		Advancing and maturing imagination skills

**SUBJECT : HINDI**

पुस्तकें: क्षितिज भाग 2

कृतिका भाग 2

नवयुग हिंदी व्याकरण तथा रचना

मास	पाठ्यक्रम	सूझावात्मक क्रियाकलाप	संसाधन/फिल्पड /मिश्रित अधिगम	सीखने के प्रतिफल
		(गतिविधियां) / कला एकीकरण		
अप्रैल	नेताजी का चश्मा	सुभाष चंद्र बोस के बारे में जानकारी एकत्रित करना । स्वतंत्रता सेनानियों के चित्र का कालाज	नेताजी का चश्मा <a href="https://youtu.be/G9HZO-5NIKU">https://youtu.be/G9HZO-5NIKU</a>	देशभक्ति की भावना का विकास होगा ।
			<a href="https://youtu.be/G9HZO-5NIKU">https://youtu.be/G9HZO-5NIKU</a>	आर्थिक संसाधनों की कमी को लक्ष्य प्राप्ति में बाधा नहीं बनने देना।
			<b>N.C.E.R.T, E-pathshala</b> पर उपलब्ध सामग्री देख सकते हैं ।	
			आई सी टी का उपयोग करते हुए क्यू आर कोड की सहायता ले सकते हैं ।	
				कृष्ण के जीवन से जुड़ी कहानियों से अभिनय कला का विकास होगा ।
	सूरदास	गोपियों के वाक्चातुर्य की विशेषताएँ बताते हुए वाक् चातुर्य से संबंधित कला का वर्णन करना ।	पाठ्य-पुस्तक	
		वाक् चातुर्य में निपुण तेनालीराम और बीरबल की कहानियां पढ़ें ।		पाठ से ग्रामीण परिवेश की जानकारी जटाना।
		सूरदास के पदों का संगीत कला से प्रस्तुतिकरण	पाठ्य-पुस्तक	बच्चे के लिए मां के महत्व को जानना।
	माता का अंचल	पुराने और नए खेलों में अंतर स्पष्ट करते हुए पीपीटी बनाना		
				वाक्य रचना का ज्ञान प्राप्त होना ।

			पाठ्य पुस्तक, श्यामपट्ट,चाक ,ई- सामग्री,अतिरिक्त पुस्तक	वाक्य प्रयोग में अंतर स्पष्ट होना ।
	वाक्य भेद	वाक्य भेद पहचान कर भेदों के नाम लिखें ।		पाठ्य पुस्तक में प्रयुक्त वाक्यों का रूपांतरण सीखना।
		प्रधान व आश्रित उपवाक्य अलग करें।		
		उद्देश्य और विधेय में अंतर स्पष्ट करें।		पद परिचय में प्रयुक्त व्याकरण के विषयों की संपूर्ण जानकारी प्राप्त करे ।
			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		
				सूचना व प्रसारण
			पाठ्य पुस्तक, श्यामपट्ट,चाक ,ई- सामग्री,अतिरिक्त पुस्तक	आकर्षक लेखन शैली
	विज्ञापन		ई - पाठशाला पर सहायक सामग्री देखें।	
		विज्ञापन प्रस्तुतिकरण	जनसंचार माध्यम अखबार ,टी.वी.पर विज्ञापन देखें ।	विचार अभिव्यक्ति की क्षमता का विकास
		चित्र कला	व्याकरण	सामाजिक और राष्ट्रीय प्रेम में वृद्धि ।
	राष्ट्रीय प्रेम से संबंधित अनुच्छेद	उदाहरण और काव्य पंक्ति का उल्लेख करना अनुच्छेद की रूपरेखा तैयार करना ।	विभिन्न पुस्तकें	लेखन क्षमता का विकास ।
				भगत के व्यक्तित्व की जानकारी एकत्रित करना ।

				दुनियादारी से अलग रहकर भी सम्मानित जीवन जीने की कला जानना ।
मई	बालगोबिन भगत		बालगोबिन भगत का चित्र दिखाना।	
		विधवा विवाह विषय पर वाद-विवाद करें ।	पाठ से संबंधित E-pathshala पर सामग्री देख सकते हैं ।	
			<a href="https://youtu.be/3He21Sy5F5">https://youtu.be/3He21Sy5F5</a>	
				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	<a href="https://youtu.be/zySlsYrkfXk">https://youtu.be/zySlsYrkfXk</a>	
				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 छांट कर उसका भेद बताएं।	व्याकरण पुस्तक टी.वी, समाचार पत्र, नेट पुस्तकें	
				पत्र लेखन कला का विकास ।

	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 कहानों लेखन का ज्ञान देना
जुलाई	लेखनवी अंदाज	किसी खादय वस्तु का रसास्वादन करने के लिए प्रस्तुतिकरण करें	पाठ्य पुस्तक, श्यामपट्ट,चाक ,ई-सामग्री,अतिरिक्त पुस्तक	
		लेखनऊ 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	
अगस्त	आत्मकथ्य	बिना ईमानदारी और साहस के आत्मकथा नहीं लिखी जा सकती है। गांधीजी की आत्मकथा 'सत्य के प्रयोग' पढ़कर पता लगाइए कि उनकी 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।
			<a href="https://youtu.be/LGJ5KSI2AZg">https://youtu.be/LGJ5KSI2AZg</a>	

	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।	<a href="https://youtu.be/nTXVSt9I7Os">https://youtu.be/nTXVSt9I7Os</a>	
				अपने पर्यावरण में आए सकारात्मक बदलावों की जानकारी प्राप्त होना।
			पाठ्य पुस्तक, श्यामपट्ट, चाक, ई-सामग्री, अतिरिक्त पुस्तक	बादलों में छिपी क्रांतिकारी को जानना।
	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।	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	<a href="https://youtu.be/WSXTGESbJ-M">https://youtu.be/WSXTGESbJ-M</a>	
				ई-मेल लेखन कला का विकास
			व्याकरण	
	ई-मेल	विभिन्न विषयों पर ई-मेल लेखन		
सितंबर	अर्द्धवार्षिक परीक्षा			
	पुनरावृत्ति		पाठ्य पुस्तक, श्यामपट्ट, चाक, ई-सामग्री, अतिरिक्त पुस्तक	प्राकृतिक सौंदर्य का मानव जीवन पर प्रभाव।
अक्टूबर			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।	<a href="https://youtu.be/yWDM3G91S64">https://youtu.be/yWDM3G91S64</a>	
		पहाड़ी क्षेत्र में रहने वाले मेहनती लोगों के बारे में जानकारी इकट्ठी करना।		



		वीडियो बनाना		बच्चे की मुस्कान का मानव मन पर प्रभाव ।
			पाठ्य पुस्तक, श्यामपट्ट, चाक ,ई-सामग्री,अतिरिक्त पुस्तक	एक पिता के हृदय की भावनाओं को समझना।
	*** दंतुरित मुस्कान ,	बच्चे के हाव -भावों को कविता या अनुच्छेद के रूप में लिखें ।	<a href="https://youtu.be/ovUvc9rhRuM">https://youtu.be/ovUvc9rhRuM</a>	
		पी.पी.टी.		फसल की उत्पत्ति 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।	<a href="https://youtu.be/w2Qifqk5FRs">https://youtu.be/w2Qifqk5FRs</a>	
		बागवानी		
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 सदभावना 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	<a href="https://youtu.be/aVt9iKiqo7Y">https://youtu.be/aVt9iKiqo7Y</a>	सभ्यता और संस्कृति में अंतर को समझना ।
	मैं क्यों लिखता हूँ		<a href="https://youtu.be/J2nhC-zCOq0">https://youtu.be/J2nhC-zCOq0</a>	विज्ञान के लाभ और हानियों के बारे में जानकारी
	संगतकार	विभिन्न क्षेत्रों में संगतकार की भूमिका दर्शाना	<a href="https://youtu.be/H2Jjez0Fs_wl">https://youtu.be/H2Jjez0Fs_wl</a>	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 : Punjabi

ਮਹੀਨਾ	ਪਾਠਕ੍ਰਮ	ਕਿਰਿਆਤਮਕ ਗਤੀਵਿਧੀ / ਕਲਾ ਏਕੀਕਰਨ	ਗਿਆਨ ਪ੍ਰਾਪਤੀ	ਸਹਾਇਕ ਸਮੱਗਰੀ ਅਤੇ ਸੋਮੇ
ਅਪ੍ਰੈਲ	ਕਵਿਤਾ- ਸੋ ਕਿਉ ਮੰਦਾ ਆਖੀਐ	ਔਰਤ ਮਾਂ ਦੇ ਰੂਪ ਵਿਚ ਕੀ-ਕੀ ਕਰਤੱਵ ਨਿਭਾਉਂਦੀ ਹੈ ਇਕ ਸੂਚੀ ਤਿਆਰ ਕਰੋ	ਕਿਸੇ ਤੋ 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 ਆਵਾਜ 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।		<a href="https://youtu.be/A3KHGAGXxtE">https://youtu.be/A3KHGAGXxtE</a>
	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।	<a href="https://youtu.be/_jYDPHxvFTI">https://youtu.be/_jYDPHxvFTI</a>
	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।		<a href="https://youtu.be/CVPIXgrY6mE">https://youtu.be/CVPIXgrY6mE</a>
	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		<a href="https://youtu.be/NfBFUVKkZGg">https://youtu.be/NfBFUVKkZGg</a>
	ਲੇਖ-21-30			
	ਅਣਡਿੱਠਾ ਪੈਰਾ, ਅਣਡਿੱਠੀ ਕਾਵਿ ਟੁਕੜੀ			
<b>ਸਤੰਬਰ- ਦੁਹਰਾਈ ਅਤੇ ਪਹਿਲੀ ਇਕਾਈ ਪ੍ਰੀਖਿਆ</b>				
ਅਕਤੂਬਰ	ਕਵਿਤਾ - ਸਤਿਗੁਰੂ ਨਾਨਕ ਪ੍ਰਗਟਿਆ	ਨਾਨਕ ਦੇਵ ਜੀ ਦੀਆਂ ਰਚਨਾਵਾਂ ਦੀ ਸੂਚੀ ਤਿਆਰ ਕਰੋ।		
		ਪੁਰਾਣੇ ਸਮੇਂ ਵਿੱਚ 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 ਕੋਲਾਜ ਤਿਆਰ ਕਰੋ।	ਆਪਣੇ ਕਾਰਜ ਸਿੱਧ ਕਰ ਲੈਂਦਾ ਹੈ।	ਪੁਰਾਣੇ ਲੋਕਾਂ ਦੇ ਰਹਿਣ ਸਹਿਣ ਨਾਲ ਸਬੰਧਤ ਚਾਰਟ
	ਅਗੇਤਰ ,ਮੁਹਾਵਰੇ -ਚ,ਛ, ਕਿਰਿਆ ਵਿਸ਼ੇਸ਼ਣ , ਬਹੁ ਅਰਥਕ 61-110		ਗਿਆਨ ਪ੍ਰਾਪਤ ਕਰਨ ਨਾਲ ਹੀ ਅਗਿਆਨਤਾ ਦਾ ਹਨੇਰਾ ਦੂਰ ਹੁੰਦਾ ਹੈ।	<a href="https://youtu.be/a1FLHCWMPxM">https://youtu.be/a1FLHCWMPxM</a>
	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 ਐਕੜਾਂ ਦਾ ਸਾਹਮਣਾ	ਐੱਖੇ ਸਮੇਂ ਵਿਚ ਵੀ ਸਬਰ ਅਤੇ ਸੰਤੋਖ ਰੱਖਣਾ	<a href="https://youtu.be/66z-T8qROag">https://youtu.be/66z-T8qROag</a>
	ਵਿਆਕਰਨ - ਪਿਛੇਤਰ, ਮੁਹਾਵਰੇ ਜ, ਝ	ਕਰਨਾ ਪੈਂਦਾ ਹੈ । ਵਿਚਾਰ ਵਟਾਂਦਰਾ ਕਰੋ।		
	ਚਿੱਤਰ ਵਰਣਨ ਜਾਂ ਦ੍ਰਿਸ਼ ਦ ੇ ਆਧਾਰ ਤੇ ਵਰਣਨ			
	ਅਣਡਿੱਠੇ ਪੈਰੇ, ਅਣਡਿੱਠੀ ਕਾਵਿ- ਟੁਕੜੀ			
ਦਸੰਬਰ	ਦੁਹਰਾਈ ਅਤੇ ਜਮਾਤ ਦੀ ਪ੍ਰੀਖਿਆ			
ਜਨਵਰੀ	ਦੁਹਰਾਈ			
ਫਰਵਰੀ	ਦੁਹਰਾਈ			

<b>Syllabus : MATHEMATICS</b>					
<b>BOOK: NCERT NCERT EXAMPLAR- X</b>					
<b>MONTH</b>	<b>TOPIC</b>	<b>LEARNING OUTCOMES</b>	<b>RESOURCES</b>	<b>SUBJECT ENRICHMENT ACTIVITIES</b>	<b>APPLICATIONS</b>
MARCH	<b>CH1: REAL NUMBER</b> Fundamental Theorem of Arithmetic -	Student will integrate	National Digital	To find HCF of two numbers	HCF and LCM in doing
	statements after reviewing work	and apply academic and logical	library of India(NDLI)	<a href="#">experimentally based on</a>	certain arrangements
	done earlier and after illustrating	reasoning in classifying real	LINK:	euclid division lemma	in real life situations
	and motivating through through	numbers	<a href="http://ndl.iitkgp.ac.in">http://ndl.iitkgp.ac.in</a>		
	examples, Proofs of $\sqrt{2}$ , $\sqrt{3}$ , $\sqrt{5}$ irrationality.		Diksha App		
			CBSE web site		
			<a href="http://www.cbseacademic.nic.in">www.cbseacademic.nic.in</a>		
			nic.in		
	<b>CH2: POLYNOMIALS</b>				
	Zeros of a polynomial. Relationship	Find the zeros of a polynomial		To draw the graph of a	
	between zeros and coefficients of	by means of graph, where it		quadratic polynomial and	
	quadratic polynomials.	intersects the x-axis		observe its shape of curve	
		Relate the zeroes of the		when coefficient of $x^2$ is	
	quadratic polynomial $ax^2 + bx + c$ with the coefficients a, b, c		positive and negative also		
			<a href="#">number of zeroes</a>		
<b>CH3: PAIR OF LINEAR EQUATIONS IN TWO VARIABLES</b>			To verify the condition of		
			consistent /inconsistent of		
			pair of linear equations	To relate real life	
Pair of linear equations in two	Students will learn to apply		in two variables by graphical	situations with	
variables and graphical method to	critical thinking to express		method	algebraic	





	their corresponding angles are equal and				
	the two triangles are similar.				
	4.(Motivate) If one angle of a				
	triangle is equal to one of another triangle and				
	sides including these are proportional, the triangles are similar.				
JUNE					
	SUMMER VACATIONS				
	<b>CH7:COORDINATE GEOMETRY</b>	Locate points in 2-dimensional Cartesian coordinate system			
	LINES (In two-dimensions)				
	Review: Concepts of coordinate geometry, graphs of linear equations. Distance formula.	Apply the formula and calculate distance between two points on a plane and students will		<i>To verify distance formula by graphical method.</i>	Coordinate geometry is used in various fields such as physics
	Section formula (internal division).	learn how a particular location can be identify .It will help us to learn town planning and seating arrangements are part of it.			engineering, navigation sismology and Art
	<b>CH8:TRIGONOMETRY:</b>				
	<b>INTRODUCTION TO TRIGONOMETRY</b>				
JULY	Trigonometric ratios of an acute angle of a	Develop understanding of			
	right-angled triangle. Proof of their existence (well defined).Motivate trigonometric ratios of $30^{\circ}$ , $45^{\circ}$ and $60^{\circ}$ .	trigonometric ratios of an acute angle of a right angled triangle			



	Relationships between the ratios.			
	<b>CH8:TRIGONOMETRIC IDENTITIES</b>	Tabulate and make use of trigonometric ratios of standard	Digital library of India(NDLI)	
	Proof and applications of the identity $\sin^2 A + \cos^2 A = 1$ . Only simple identities to be given.	angles of , 30°, 45°, 60° to right angled triangle	LINK: <a href="http://ndl.iitkgp.ac.in">http://ndl.iitkgp.ac.in</a> Diksha App And CBSE web site <a href="http://www.cbseacademic.nic.in">www.cbseacademic.nic.in</a>	
	<b>CH9:HEIGHTS AND DISTANCES:</b>	Students will be able to learn		
	Angle of elevation, Angle of Depression	the use of trigonometric ratios to find the heights and distance		It is used in geography navigation.To find the heights and distance
	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°.	of distant objects.		of various objects without actually measuring them.
	<b>CH10:CIRCLES</b>			
AUGUST	Tangent to a circle at, point of contact 1. (Prove) The tangent at any point of a circle is perpendicular to the radius	Students will learn the concept of circle and different properties related to circle .		To understand the concept of practical

	through the point of contact			To verify length	problem on plane
	2.(Prove) The lengths of tangents drawn from an external point to a circle are equal.			of tangents drawn from an external point to a circle are equal.	figure
SEP.	<b>CH12:AREAS RELATED TO CIRCLES</b>		Digital library of India(NDLI)		
	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.	LINK: <a href="http://ndl.iitkgp.ac.in">http://ndl.iitkgp.ac.in</a> Diksha App And CBSE web site <a href="http://www.cbseacademic.nic.in">www.cbseacademic.nic.in</a>		Useful in designing layout of construction plan.
	<b>CH13: SURFACE AREAS AND VOLUMES</b>				
	Surface areas and volumes of combinations of any two of the	Students will learn the concept to find area and volume of different combination of solids	Digital library of India(NDLI) LINK: <a href="http://ndl.iitkgp.ac.in">http://ndl.iitkgp.ac.in</a>		Useful in real life to design objects of

	following: cubes, cuboids,	.	Diksha App		different shape.
	spheres, hemispheres and right		And CBSE web site		
	circular cylinders/cones.		<a href="http://www.cbseacademic.nic.in">www.cbseacademic.nic.in</a>		
OCT	<b>CH 14:STATISTICS :</b>				
	Mean, median and mode of	Calculate the average from			Useful in various fields
	grouped data (bimodal situation	grouped data using different	LINK:		like physical and medical
	and step deviation method for	methods i.e. direct, assumed	<a href="http://ndl.iitkgp.ac.in">http://ndl.iitkgp.ac.in</a>		sciences also in various
	finding the mean to be avoided).	mean and step deviation method	Diksha App		analytical analysis.
		Determine the modal class in a	CBSE web site		
		group data and calculate mode	<a href="http://www.cbseacademic.nic.in">www.cbseacademic.nic.in</a>		
		using the formula	Digital library of India(NDLI)		
	<b>CH15:PROBABILITY</b>				
	Classical definition of probability.	Student will learn how to judge			
	simple problems on finding	and justify the value of decision	<i>Use of cards, coins and</i>	<i>To verify probability of</i>	To do the predictions
	the probability of an event		<i>dice as teaching aids</i>	<i>an event</i>	on some random
				through experiment	experiments.
	FLT				

### DELETED SYLLABUS MATHEMATICS

SR.NO	CHAPTER NAME	NAME OF THE CHAPTER/TOPICS
CH1	REAL NUMBERS	Euclid's division lemma

CH2	POLYNOMIALS	Statement and simple problems on division algorithm for polynomials with real coefficients
CH3	PAIR OF LINEAR EQUATIONS IN TWO VARIABLES	cross multiplication method
CH4	QUADRATIC EQUATIONS	Situational problems based on equations reducible to quadratic equations
CH5	ARITHMETIC PROGRESSIONS	Application in solving daily life problems based on sum to n terms
CH6	TRIANGLES	Proof of the following theorems are deleted • The ratio of the areas of two similar triangles is equal to the ratio of the squares of their corresponding sides. • In a triangle, if the square on one side is equal to sum of the squares on the other two sides, the angle opposite to the first side is a right angle
CH7	COORDINATE GEOMETRY	Area of a triangle.
CH8	INTRODUCTION TO TRIGONOMETRY	motivate the ratios whichever are defined at 0o and 90o
	TRIGONOMETRIC IDENTITIES	Trigonometric ratios of complementary angles
CH9	HEIGHTS AND DISTANCES	No deletion
CH10	CIRCLES	No deletion
CH11	CONSTRUCTIONS	Construction of a triangle similar to a given triangle.
CH12	AREAS RELATED TO CIRCLES	Problems on central angle of 120°
CH13	SURFACE AREAS AND VOLUMES	Frustum of a cone.
CH14	STATISTICS	Step deviation Method for finding the mean • Cumulative Frequency graph
CH15	PROBABILITY	No deletion

**MULTIPLE ASSESSMENT AND ART INTEGRATED ACTIVITIES**

**Group Activity: Students will design two real life situations based on HCF and LCM.**

Crossword puzzle.

Case Study Based Questions (Real life situations)

Charts depicting Rangoli designs and spirals based on AP

Explanation of similarity of triangles using different cut-outs made of coloured sheets.

Art based Graph activity using display board

Model making activity of Height And distance  
Properties using geo board

Finding areas of different parts of basketball court.

Group Activity-CLAY MODELLING: Designing Models based on combination of solids depicting different situations

*Survey based project*

QUIZ BASED ON PROBABILITY

## SYLLABUS: SOCIAL STUDIES

Month	Topic	Learning outcome (Action Verb, Object & Condition based)	Source/Resource (For flip/blended learning)	Suggestive activities (Art integrated/subject enrichment/ experiential learning)
March	Geography Resources & development	Understand the value of resources & 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.	Textbook Contemporary India - II, Online E-learning portal School Bhawan NCERT, QR code given in the chapter may be used to consult the resource. <a href="https://mhrd.gov.in">https://mhrd.gov.in</a> for Resources And Development <a href="http://www.india.gov.in">www.india.gov.in</a> Department of	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.
	Forest and Wild Life	Understand the importance of forests and wild life in one environment as well as develop concept towards depletion of resources, analyses indigenous and modern methods of conservation of forests and wildlife,, appreciates the role of community in conservation of forests and wildlife.	For spatial distribution of forests in India, refer to — “State Forest Report of India”, Government of India, <a href="http://www.fsi.nic.in">www.fsi.nic.in</a> Web Resource Online E-learning portal School Bhuvan NCERT for interactive thematic maps <a href="https://h5p.org">https://h5p.org</a>	The teacher may initiate the discussion with the help of Newspaper clippings related to forest fire and wildlife in India and the world. 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 the changes in their surroundings. Students may be asked to prepare a short note on the Power sharing and share it with their peers. Through e-mail WhatsApp.
	Political Science Power Sharing	Familiarize with the centrality of power sharing in a democracy. Understand the working of spatial and social power sharing mechanism.	Power Sharing in India <a href="https://en.m.wikipedia.org">https://en.m.wikipedia.org</a> PPT on Power Sharing will be shared during class ( <a href="http://www.slideshare.net">www.slideshare.net</a> )	Discuss with your parents on the functioning of Democracy 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.
	Water Resources	Comprehend the importance of water as a resource as well as develop awareness towards its judicious use & conservation.	Methods of rain water harvesting <a href="https://theconstructor.org/methods...">https://theconstructor.org/methods...</a> For rain water harvesting methods & techniques <a href="https://www.conserve-energy-future.co...">https://www.conserve-energy-future.co...</a>	Teacher can share various techniques of rainwater harvesting system with students during ancient times as well as in the modern era Students can share their videos how they can conserve water at homes in daily life and harvest rainwater for use at home.
April			<a href="http://www.chaitanyaproducts.com">www.chaitanyaproducts.com</a> steps taken by the central govt. to promote rainwater harvesting in india.	

	Agriculture	Identify the various types of farming & discuss various farming methods, Describe the spatial distribution of major crops as well as understand the relationship between rainfall regimes & cropping pattern, Explain various government policies for institutional as well as technological reforms since independence.	<a href="https://revisionworld.com&gt;types-farming">https://revisionworld.com&gt;types-farming</a> , <a href="https://krishijagran.com/agripe-dia/important-government-schemes-programmes-in-agriculture">https://krishijagran.com/agripe-dia/important-government-schemes-programmes-in-agriculture</a>	Students can ask their parents & grandparents about different types of crops grown in different seasons, from the newspaper they can collect the information about various government schemes for peasants. Students can make chart for differentiating various methods of farming.
	Minerals & Energy Resources	Identify the different types of minerals and energy resources & places of their availability.	<a href="#">India - Resources and power   Britannica www.britannica.com &gt; place &gt; Resources-and-power</a>	Only map related questions are part of syllabus. On the Political map of India mineral & energy resources will be marked.
	Manufacturing Industry	Bring out the importance of industries in the national economy as well as understand the regional disparities which resulted due to concentration of industries in some areas, Discuss the need for a planned industry & development and debate over the role of government towards sustainable development.	<a href="#">Role of Major Industries in Indian Economic Development Ministry of Heavy Industries - Industries   National Portal of India www.india.gov.in &gt; topics &gt; industries</a> Indian Cotton Industry: Cotton	Charts can be made by the students showing the classification of industries and a flow chart on value addition in textile industry, On political map of India major textile industries, iron & steel plants and Software Technological Parks can be located and labelled. Project work given in NCERT book at the end of the chapter will be discussed with students.
<b>Assessment</b>	MCQ and Oral Test		<a href="http://www.ibef.org">www.ibef.org</a> > Exports Iron & Steel Industry in India: Production, Market Size, Growth... <a href="http://www.ibef.org">www.ibef.org</a> > Industry	
	Lifelines of National Economy (Only map)	Explain the importance of transport & communication in the ever shrinking world,	<a href="#">Transport Department - Transport   National Portal of India www.india.gov.in &gt; topics &gt; transport</a>	Student can make a table showing different means of transportation. On political map of India major seaports and international airports located & labelled.

<b>April</b>	<b>Economics Development</b>	Familiarize with the concepts of macroeconomics. Understand the rationale for overall human development in our country, which includes the rise of income, improvements in health and education rather than income. Understand the importance of quality of life and sustainable development.	Understanding Economic Development NCERT Book	<b>Project</b> –Socio-Economic Impact of the Pandemic COVID19 Develop project on the socio-economic issues that can arise due to the pandemic COVID 19 locally and globally. Ponder over the following and prepare the project. How will the disaster affect the economic growth and development of various countries? 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? Who are the most vulnerable sections of the society during disasters? <i>What are the factors determining vulnerability?</i>
				the disaster? Classify it into primary, secondary and tertiary sectors. How will it affect people who have taken loans especially from the non-formal sources of credit What steps has the government undertaken in response to the disaster? What are the creative solutions that can be taken up to reduce the impact? When disaster strikes, what can we do?(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.) Poster Making: Prepare posters on the measures that can be taken to avoid the disaster of the pandemic- COVID 19 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.
	Sectors of the Indian Economy	Identify major employment generating sectors. Reason out the investment in different sectors of economy	<a href="https://www.drishtiiias.com">https://www.drishtiiias.com</a> <a href="https://msme.gov.in">https://msme.gov.in</a>	Students can prepare one chart related to different economic activities in different sectors. 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)
<b>May</b>	Money and Credit	Understand money as an economic concept.	<a href="https://Indian money.com">https://Indian money.com</a> <a href="https://www.lopol.org">https://www.lopol.org</a>	Pictures of Bank Draft and Cheque will be shown to differentiate between the two.
<b>Assessment</b>	Periodic Test	Understand the role of financial institutions from the point of view of day to day life.  Economics-Ch 1,2 Geography-Ch 6,7	<a href="https://www.iasexpress.net">https://www.iasexpress.net</a>	Parents can be advised to give practical knowledge related to the working of banks.



May	The Rise of Nationalism in Europe	explains the concept of nationalism and the inherent features of a nation 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. 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	Giuseppe Mazzini e-Resources India and the Contemporary World II <a href="http://ncert.nic.in/textbook/textbook.htm?iess3=2-5">http://ncert.nic.in/textbook/textbook.htm?iess3=2-5</a> <a href="https://www.britannica.com/biography/Giuseppe-Mazzini/Triumvir-of-republican-">https://www.britannica.com/biography/Giuseppe-Mazzini/Triumvir-of-republican-</a>	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. The teacher may ask students to prepare a chart listing those measures taken by French revolutionaries to create a sense of collective
				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
		•		the textbook such as Plebiscite, Conservatism, Suffrage, Nationalism, Nation-State, Allegory, etc., and share with students. 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-
		India and the Contemporary World Political Map of India		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 Mazzini and Giuseppe Garibaldi and their vision
		Recognize the characteristics of Indian nationalism through a case study of Non-Cooperation and Civil	<a href="https://neostencil.com">https://neostencil.com</a> Satyagraha against the Rowlatt Act- First mass strike, <a href="https://www.britannica.com">https://www.britannica.com</a> Jallianwala Bagh Massacre- Causes, History & Significance, <a href="https://knowindia.gov.in">https://knowindia.gov.in</a> <a href="https://youtu.be/wj8Gf1rJK8">https://youtu.be/wj8Gf1rJK8</a> ,	The teacher may ask students to prepare a chart listing those measures taken by Indian revolutionaries to create a sense of collective identity. The chart may also contain visuals/images. 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,
June	History Nationalism in India	Disobedience Movement, Analyse the nature of the diverse social movements of the time, Familiarize with the writings and ideals of different political groups and individual, Appreciate the ideas promoting Pan Indian belongingness.	Culture & Heritage-Freedom struggle-The Non-Cooperation Movement(above), Indian Nationalism	one group may work on Non-Cooperation and other on Civil Disobedience. 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 be shown.

		Analyse federal provisions and institutions. Explain decentralisation in rural and urban areas.	Federalism in India <a href="https://en.m.wikipedia.org">https://en.m.wikipedia.org</a> <a href="http://www.thehindu.com">www.thehindu.com</a> Decentralization <a href="https://en.m.wikipedia.org">https://en.m.wikipedia.org</a>	Locate places on the world map on countries having 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. Develop a gender prospective on politics.	Ncert.nic.in	Students can make a chart on sexual division of labour, various fields in which women are discriminated.
	Political Parties	Analyse the party system in democracies Introduction to major political parties, challenges faced by them and reforms in the country.	Party System <a href="https://en.m.wikipedia.org">https://en.m.wikipedia.org</a> Politics of India <a href="https://en.m.wikipedia.org">https://en.m.wikipedia.org</a>	Students can prepare a chart to give detail 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.
August	Outcomes of Democracy	Evaluate the functioning of democracies in comparison to alternative forms of government. Understand the causes for continuation of democracy in India. Distinguish between sources of strengths and weaknesses of Indian democracy.	Accountability <a href="https://en.m.wikipedia.org">https://en.m.wikipedia.org</a> Democratic Accountability <a href="http://www.shareweb.ch">www.shareweb.ch</a>	Discussion on economic outcomes of the democracy.
Assesment	Mid Term Exam			
August	Globalization and the Indian Economy To be evaluated in the Board Examination: What is Globalization? Factors that have enabled Globalisation	Examine the concept of globalization and its definition, evolution, and impact on the global economy. 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.	<a href="https://youtu.be/JJOnFD19eT8">https://youtu.be/JJOnFD19eT8</a> <a href="https://economictimes.indiatimes.com">https://economictimes.indiatimes.com</a>	Students can take some branded products that they use everyday and check which of these are produced by MNCs 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 Negative impact of Globalisation : Spread of COVID19

<b>September</b>	Print Culture and the Modern World Half yearly Exams The Making of Global World Sub topic 1 The pre modern world Sub topic 2: 19th century 1815 -1914 Sub topic 3: The inter- war economy Sub topic 4: Rebuilding of world economy: the post war era.	Identify the link between the print culture and the circulation of ideas. Familiarize with the pictures, cartoons, extract from propaganda Explore various aspects of how the world changed profoundly in the 19th century in terms of Economic, Political, Social, Cultural and technological areas. Analyze the destructive impact of colonialism on the economy and the	<a href="https://diksha.gov.in/play/collection">https://diksha.gov.in/play/collection</a>  <a href="https://youtu.be/Lh2bfNal-Z8">https://youtu.be/Lh2bfNal-Z8</a>	Students can compare the print revolution and its impact in Europe with those in India.  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. Understand that forms of writing have a specific history, and that they reflect historical changes within society and shape, the forces of change.		•
<b>November</b>				
<b>Assessment</b>	REVISION Weekly Test/Quiz			•
<b>December</b>	REVISION FLT			
		•		

## Subject : 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	<a href="https://www.youtube.com/watch?v=ALSPU">Link 1: https://www.youtube.com/watch?v=ALSPU</a>	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	<a href="https://www.youtube.com/watch?v=J">Link 2: https://www.youtube.com/watch?v=J</a>	After watching link 2 write any ten word equations and convert them into formulae.
		Substitute it by symbols and formula	Link 3: <a href="https://www.youtube.com/watch?v=ajT9bLMsxWU">https://www.youtube.com/watch?v=ajT9bLMsxWU</a>	Balance the chemical equations given in the assignment.
		Correlate law of conservation of mass to balancing of chemical equations	Link 4: <a href="https://phet.colorado.edu/sims/html/balancing-chemical-equations/latest/balancing-chemical-equations_en.html">https://phet.colorado.edu/sims/html/balancing-chemical-equations/latest/balancing-chemical-equations_en.html</a>	Try the game, in simulation link based on balancing chemical equations.
	Types of chemical reactions			
	-Combination	Compare the different types of reactions	<a href="https://www.youtube.com/watch?v=HmNsQKLRgh8">https://www.youtube.com/watch?v=HmNsQKLRgh8</a>	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	<a href="https://www.youtube.com/watch?v=tYKr5ozhviY">https://www.youtube.com/watch?v=tYKr5ozhviY</a>	Find out few examples of oxidation and reduction from your daily life	
	Oxidation in everyday life	Apply oxidation in daily life	<a href="https://www.youtube.com/watch?v=gWPjVF3WFzU">https://www.youtube.com/watch?v=gWPjVF3WFzU</a>	Enlist some instances of corrosion and rancidity from your daily	
	-Corrosion			Find some methods of preventing corrosion of metals.	
	-Rancidity				
<b>MAY</b>	<b>CHAPTER-2</b>				
	<b>ACIDS, BASES AND SALTS</b>				
	Classification of matter – AIncdidicsa, tBoarsseasnadn dit sSatyltpses	Demonstrate the properties of aldceidnst iafny dthbeassuesbstances as acids	<a href="https://www.youtube.com/watch?v=Jfa2wxpJJBA&amp;list=PLCgDuK3YIhBfIK_E">https://www.youtube.com/watch?v=Jfa2wxpJJBA&amp;list=PLCgDuK3YIhBfIK_E</a>	Enlist any 5 acids and bases present in your home. Perform activity given on page no.35 of NCERT	
	Chemical properties of	oLrisbt athseesproperties of acids and	<a href="https://www.youtube.com/watch?v=0Rf98pXvPrI">https://www.youtube.com/watch?v=0Rf98pXvPrI</a>	Complete the assignment of chemical reactions based on the	
	pH scale- definition and applications	Correlate the pH to acidic, basic and neutral substances.			
		Test the pH of solutions and	<a href="https://www.youtube.com/watch?v=1NunJb">https://www.youtube.com/watch?v=1NunJb</a>	Complete table 2.2 of NCERT by performing activity with pH	
		cDliasscsuifsys tthheemimbpyonrtoatnincege tohfepH			
	Salts- its types and pH	Associate formation of salts to	<a href="https://www.youtube.com/watch?v=1NunJb">https://www.youtube.com/watch?v=1NunJb</a>	ePrepare a table containing ten salts with their respective acids	

	Some important salts of Sodium and calcium-	v*ladreionutisfyrethaec tpioanresnt acid and base fJruosmti fwy hthicehvtahreiosuasltuissefso romf esdalts in	<a href="https://youtu.be/sxtPP7hTRsU">https://youtu.be/sxtPP7hTRsU</a>	and bases from which they are formed	
		daily life and industry			
	Water of crystallization	understand the meaning and role	<a href="https://www.youtube.com/watch?v=BGhIPzx49ik">https://www.youtube.com/watch?v=BGhIPzx49ik</a>	*Find out any 5 salts which have water of crystallization	
<b>JUNE</b>	<b>SUMMER BREAK</b>	of water of crystallization in			
	<b>CHAPTER-3</b>				
<b>JULY</b>	<b>METALS AND NON</b>				
	Classification of elements	Demonstrate the properties of	<a href="https://www.youtube.com/watch?v=AJbe5THaNuU">https://www.youtube.com/watch?v=AJbe5THaNuU</a>	Study the physical properties of metals using small pieces of	
	Physical properties of metals and non-metals and its applications	Compare the properties of both metals and non-metals			
		Identify the metals and			
	Chemical properties of	Associate the reactivity of	<a href="https://www.youtube.com/watch?v=ttYpsx:n//Nw5wwwLW.yo9uFt4ube.com/watch?">https://www.youtube.com/watch?v=ttYpsx:n//Nw5wwwLW.yo9uFt4ube.com/watch?</a>	After watching the link enlist 5 chemical differences	
	metals and non-metals Reactivity series	metals on the basis of chemical Tabulate the reactivity series of	<a href="https://www.youtube.com/watch?v=Sffu3LaRZFM">v=Sffu3LaRZFM</a>	between metals and non-metals Solve the assignment based on reactivity series	
		mArertaanlsge the metals into	<a href="https://www.youtube.com/watch?v=19kSxIQWXKo">https://www.youtube.com/watch?v=19kSxIQWXKo</a>		
	Electron dot structure and	Illustrate electronic			
		cCoonrrfiegluartea tvialone nof ye laenmde ntypse of			
<b>AUGUST</b>	Properties of ionic	bDoranwd fsocrhmemedatic diagrams and	<a href="https://www.youtube.com/watch?v=rHKuqqJSU_w">https://www.youtube.com/watch?v=rHKuqqJSU_w</a>	Find out few compounds having ionic bond, also show the	
	Basic metallurgic process	sutnuddeyrsthaen dp trhoep emreitehso doof lioognyi cof extraction of metals		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.	
	<b>CHAPTER -4</b>				
	<b>CARBON AND ITS</b>				

	Importance of the carbon	Discover the application of	<a href="https://www.youtube.com/watch?v=ttPpsw:/D/w2w9Gwb.yiwou6t8ube.com/watch?">https://www.youtube.com/watch?</a>	Compile the various substances that are used in daily life	
	eVleermsaetnilte nature of carbon	cIlalurbstorna tien ceavrebroynd awyi tlhif e4	<a href="https://www.youtube.com/watch?v=ttPpsw:/D/w2w9Gwb.yiwou6t8ube.com/watch?">vh=ttPpsw:/D/w2w9Gwb.yiwou6t8ube.com/watch?</a>	wOnh itchhe cboanstiasionfs tceatrabvoanlency of carbon enlist any 5	
	-tetravalency		<a href="https://www.youtube.com/watch?v=ttgpisp:y//ubjyujKusM.cf4om/chemistry/">vh=ttgpisp:y//ubjyujKusM.cf4om/chemistry/</a>		
<a href="#">introduction-to</a>	carbon-compounds				
	-catenation				
<b>SEPTEMBER</b>	Covalent bonding in	Correlate the number of bonds		Assignment on drawing the electron dot structure of	
		Classify the homologous series			
		Apply the general formula and identify the homologous series	<a href="https://www.youtube.com/watch?v=ttipvsy:6//NwBwCwC.y6otuotube.com/watch?v=Q7I2R6YWWwo">https://www.youtube.com/watch?</a>	Create a chart of homologous series of alkane, alkenes and alkynes on A4 size sheet	
			<a href="https://www.youtube.com/watch?v=ttipvsy:6//NwBwCwC.y6otuotube.com/watch?v=Q7I2R6YWWwo">vh=ttipvsy:6//NwBwCwC.y6otuotube.com/watch?</a>		
	<b>REVISION</b>		<a href="https://www.youtube.com/watch?v=Q7I2R6YWWwo">v=Q7I2R6YWWwo</a>		
	<b>MID TERM EXAM</b>				
<b>OCTOBER</b>	<b>CHAPTER- 4</b>				
	<b>CARBON AND ITS COMPOUNDS</b>				
		Illustrate the IUPAC	<a href="https://www.youtube.com/watch?v=9lpPEOA1gIM">https://www.youtube.com/watch?</a>	On the basis of chemical properties of alcohols and	
			<a href="https://www.youtube.com/watch?v=9lpPEOA1gIM">v=9lpPEOA1gIM</a>		
		The learners would be able to differentiate between saturated hydrocarbons and unsaturated hydrocarbons.	<a href="https://www.youtube.com/watch?v=qox3ntVY_5M">https://www.youtube.com/watch?</a>	Tabulate all the functional groups and nomenclature rules.	
			<a href="https://www.youtube.com/watch?v=qox3ntVY_5M">v=qox3ntVY_5M</a>		

	Chemical properties of carbon compounds (combustion, oxidation, addition and substitution reaction). Ethanol and Ethanoic acid	Compare the different types of organic reactions shown by hydrocarbons.	<a href="https://www.youtube.com/watch?v=4pYDst3uZe8">https://www.youtube.com/watch? v=4pYDst3uZe8</a> <a href="https://www.youtube.com/watch?v=RqNVLCOLB_U">https://www.youtube.com/watch? v=RqNVLCOLB_U</a>	Explore any five applications of chemical reaction of hydrocarbons in industries.	
				Demonstration of esterification in lab	
	soaps and detergents	understand preparation, working of soap. differentiate between soaps and detergents	<a href="https://www.youtube.com/watch?v=vppFkXW7Dt8">https://www.youtube.com/watch? v=vppFkXW7Dt8</a>	Search the method used by industries for preparation of soap	
				Find out the salts that makes the water hard	
<b>NOVEMBER</b>	<b>REVISION and TEST</b>				

## BIOLOGY SYLLABUS

MONTH	TOPIC\CONTENT	SOURCES\RESOURCES( FOR FLIP LEARNING)	LEARNING OUTCOME(ACTION VERB,OBJECT AND CONDITION BASED)	SUGGESTIVE ACTIVITIES(ART INTEGRATION/SUBJECT ENRICHMENT/EXPERIENTIAL LEARNING)
<b>APRIL</b>	<b>LIFE PROCESSES</b>	NCERT book of science for class x		
	<b>WEEK 1 (NUTRITION)</b>	LINK ! : <a href="https://youtu.be/VV7-s745Zuc">https://youtu.be/VV7-s745Zuc</a>	<b>After reading the text and watching videos the learner</b>	
	1) Autotrophic nutrition (photosynthesis )	LINK 2 : <a href="https://youtu.be/KpG7h1Xd3GU">https://youtu.be/KpG7h1Xd3GU</a>	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 : <a href="https://youtu.be/qgXxfpq-Dow">https://youtu.be/qgXxfpq-Dow</a>	3)develop the knowledge of functioning of different enzymes in human body.	2)EXPERIENTIAL LEARNING to invsetigate the impct of open and closed stomata on plant life.
			4) can sequentially arrange all the steps of digestion of food in humans.	
	<b>WEEK 2 (RESPIRATION)</b>		<b>After reading the text and watching the videos , the learner will</b>	
	Aerobic respiration	<a href="https://youtu.be/2uoCGTAWjl0">https://youtu.be/2uoCGTAWjl0</a>	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	<a href="https://youtu.be/Uk9HI93YcQ4">https://youtu.be/Uk9HI93YcQ4</a>	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: <a href="https://youtu.be/jmQXiLAdtRM">https://youtu.be/jmQXiLAdtRM</a> , LINK: <a href="https://youtu.be/ZZXzo6ibUil">https://youtu.be/ZZXzo6ibUil</a>	3) can interpret the antagonistic nature of photosynthesis and respiration in plants.	
	Respiration in plants	<a href="https://youtu.be/vkBZTj_lqYM">https://youtu.be/vkBZTj_lqYM</a>		
	<b>WEEK 3 (TRANSPORTATION )</b>	<a href="https://youtu.be/UYFXFCWfB6g">https://youtu.be/UYFXFCWfB6g</a>	<b>After reading the text and watching the videos the learner</b>	
	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	<a href="https://youtu.be/SQua9qKoMfs">https://youtu.be/SQua9qKoMfs</a>	2) can draw the diagraeme of human heart and labell its different parts,	2)to idetify the popening and closing of heart valves through lub -dub sound.

	Lymphatic system	<a href="https://youtu.be/SQua9qKoMfs">https://youtu.be/SQua9qKoMfs</a>	3) able to make the flow chart of direction of movement of blood in human body	
	Transport in plants	<a href="https://youtu.be/SQua9qKoMfs">https://youtu.be/SQua9qKoMfs</a>	4) discover the mechanism of transport of water and food materials in plants.	3EXPERIENTIAL LEARNING) to observe the effect of less water on the plants.
	<b>WEEK 4 (EXCRTION)</b>		<b>After reading the text and watching the videos the learner</b>	
	structure and function of urinary system in humans	<a href="https://youtu.be/SQua9qKoMfs">https://youtu.be/SQua9qKoMfs</a>	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 micturation,
	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.
ASSESMENT - WEEKLY WRITTEN TEST , ORALTEST QUIZ GROUP DISCUSSION				
<b>MAY</b>	<b>CONTROL AND CORDINATION</b>			
	<b>WEEK 1 (Response and stimulus , neuron</b>	<a href="https://youtu.be/SQua9qKoMfs">https://youtu.be/SQua9qKoMfs</a>	<b>After readding the text and watching videos, the learner will</b>	1) to interpret the feed back mechinism and its importance
	structure of nuron	<a href="https://youtu.be/_2q4suUzByc">https://youtu.be/_2q4suUzByc</a>	1) understand the meaning of stimulus and its corresponding response.	2) to discover the interdependency of different sensory receptors

	transmission of impulse	<a href="https://youtu.be/_2q4suUzByc">https://youtu.be/_2q4suUzByc</a>	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	3) to observe the touch response in Mimosa pudica.
	<b>WEEK 2 ( reflex action, human brain )</b>	<a href="https://youtu.be/_2q4suUzByc">https://youtu.be/_2q4suUzByc</a>	<b>After reading the text and watching videos, the learner will</b>	
		<a href="https://youtu.be/_2q4suUzByc">https://youtu.be/_2q4suUzByc</a>	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.	

	<b>WEEK 3(endocrine system in humans)</b>	<a href="https://youtu.be/DFbSsW7-RPs">https://youtu.be/DFbSsW7-RPs</a>	1) able to locate the positions of different endocrine glands in our body	
		<a href="https://youtu.be/_2q4suUzByc">https://youtu.be/_2q4suUzByc</a>	2) to relate the functions of different hormones in growth, metabolism and development of the body	
	ASSESSMENT PERIODIC TEST 1	SYLLUBUS -LIFE PROCESSES (FULL)	PROJECT	

	<b>WEEK 4 (tropic movements in plants , phytohormones)</b>	<a href="https://youtu.be/_2q4suUzByc">https://youtu.be/_2q4suUzByc</a> , <a href="https://youtu.be/cBa3UZrfttk">https://youtu.be/cBa3UZrfttk</a>	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.
<b>JULY</b>	<b>HOW DO ORGANISMS REPRODUCE</b>			
	<b>WEEK 1 (importance of reproduction, asexual reproduction)</b>	<a href="https://youtu.be/JID5SY_QmR4">https://youtu.be/JID5SY_QmR4</a> <a href="https://youtu.be/B7yZtR5EnYw">https://youtu.be/B7yZtR5EnYw</a>	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.	
	<b>WEEK 2 ( sexual reproduction in flowering plants)</b>	<a href="https://youtu.be/zdKqb06_nJ8">https://youtu.be/zdKqb06_nJ8</a>		1) to observe vegetative propagation in bryophyllum, rose, money plant etc.
		<a href="https://youtu.be/cV09glldeW8">https://youtu.be/cV09glldeW8</a>	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
		<a href="https://youtu.be/cV09glldeW8">https://youtu.be/cV09glldeW8</a>		
	<b>WEEK 3 (sexual reproduction in humans , reproductive health)</b>	LINK 1: <a href="https://youtu.be/tMf5GNzEEjo">https://youtu.be/tMf5GNzEEjo</a> <a href="https://youtu.be/r3j9opDfNy0">https://youtu.be/r3j9opDfNy0</a> <a href="https://youtu.be/jPArGkgziiM">https://youtu.be/jPArGkgziiM</a>	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 balanced nutrition for	
<b>AUGUST</b>	<b>HEREDITY AND EVOLUTION</b>	<a href="https://youtu.be/PRYr9jCuYII">https://youtu.be/PRYr9jCuYII</a>		

	<b>WEEK 1(Inherited traits , Mendel's law of inheritance</b>	<a href="https://youtu.be/URy1xzErUK8">https://youtu.be/URy1xzErUK8</a>	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'
		<a href="https://youtu.be/URy1xzErUK8">https://youtu.be/URy1xzErUK8</a>		2) Identify and list five pairs of homologous and analogous traits in plants and in animals.
	<b>WEEK 2 (MONOHYBRID CROSS)</b>	<a href="https://youtu.be/6ncwtfVw2ag">https://youtu.be/6ncwtfVw2ag</a>	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.
		<a href="https://youtu.be/2Zpmy7ovxM">https://youtu.be/2Zpmy7ovxM</a>		
		<a href="https://youtu.be/7RBGX2zPAgI">https://youtu.be/7RBGX2zPAgI</a>	1) understand the evolution by natural selection with the help of given examples.	
	<b>WEEK 4 (DIHYBRID CROSS)</b>	<a href="https://youtu.be/v23wCCUQ9fA">https://youtu.be/v23wCCUQ9fA</a>	1) the learner will assess the natural selection and artificial selection by giving examples.	
		<a href="https://youtu.be/vineMHHCFcQ">https://youtu.be/vineMHHCFcQ</a>		
<b>ASSESSMENT</b>	<b>ORAL TEST ,WEEKLY WRITTEN TEST , PROJECT</b>			
<b>SEPTEMBER</b>		REVISION		
		MID TERM EXAMINATION (SYLLABUS)		
		L-5 LIFE PROCESSES (FULL),L-6 CONTROL AND COORDINATION (FULL), L-15 OUR ENVIRONMENT (FULL)		
<b>OCTOBER</b>	<b>OUR ENVIRONMENT</b>	<a href="https://youtu.be/wuGwIus8mSw">https://youtu.be/wuGwIus8mSw</a>		

	<b>WEEK 1</b>	<a href="https://youtu.be/gPZJMcKROZE">https://youtu.be/gPZJMcKROZE</a>	1) 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 substances , their effects, food chain , Ozone layer			
	<b>WEEK 2</b>	<a href="https://youtu.be/Wsh2O2Xe1G0">https://youtu.be/Wsh2O2Xe1G0</a>	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	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 socity for protection of forests and ozone layer.
<b>ASSESMENT</b>	<b>ORAL TEST ,WRITTEN TEST</b>			
		<a href="https://youtu.be/7U4nZ8nH_UY">https://youtu.be/7U4nZ8nH_UY</a>		
<b>****</b>	<b>MANAGEMENT OF NATURAL RESOURCES</b>			
	<b>WEEK 3. 1)Importance of management of our resources</b>	<a href="https://youtu.be/qcn64Bn68YM">https://youtu.be/qcn64Bn68YM</a>	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.
	<b>2) FORESTS AND WILD LIFE</b>	<a href="https://youtu.be/wCB1xvq8MKs">https://youtu.be/wCB1xvq8MKs</a>	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
		<a href="https://youtu.be/fCNVdryR-H8">https://youtu.be/fCNVdryR-H8</a>	3) interpret the uses of coal and petroleum in present day scenerio.	
	3) Water	<a href="https://youtu.be/u2DiDXI5N0E">https://youtu.be/u2DiDXI5N0E</a>		
	4) coal and petroleum	<a href="https://youtu.be/7xGthQny5Jo">https://youtu.be/7xGthQny5Jo</a>		
	5) management of resources	<a href="https://youtu.be/h1hOK_-iuYk">https://youtu.be/h1hOK_-iuYk</a>		
***** 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 CO <sub>2</sub> during respiration				

**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"> <li>Identify light as a form of energy that affects sight</li> </ul>	<a href="https://youtu.be/m-21BHddGu">https://youtu.be/m-21BHddGu</a>	<b>EXPERIENTIAL LEARNING</b> -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"> <li>Distinguish between ray and beam</li> <li>Conceptualize the term Reflection of light and laws of reflection</li> </ul>	<a href="https://youtu.be/R-rPGtLjxIQ">https://youtu.be/R-rPGtLjxIQ</a>	<a href="https://www.youtube.com/watch?v=IXukVFHfX6A">https://www.youtube.com/watch?v=IXukVFHfX6A</a>
		<ul style="list-style-type: none"> <li>Analyse image formation in plane mirror and name the characteristics of this image</li> <li>Distinguish between real &amp; virtual image</li> </ul>	<a href="https://youtu.be/v0sXOq9k6P0">https://youtu.be/v0sXOq9k6P0</a>	<b>Experiential learning</b> - 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"> <li>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.</li> </ul>	<a href="https://youtu.be/k4Nr4_i-wh0">https://youtu.be/k4Nr4_i-wh0</a>	
		<ul style="list-style-type: none"> <li>Discover rules for obtaining image formed by spherical mirrors.</li> <li>Draw ray diagrams to show formation of image by concave and convex mirror</li> </ul>	<a href="https://youtu.be/3-VP9j6RqKA">https://youtu.be/3-VP9j6RqKA</a>	<a href="https://www.youtube.com/watch?v=LMrpY13ypmo">https://www.youtube.com/watch?v=LMrpY13ypmo</a>
		<ul style="list-style-type: none"> <li>Study the formation of image by a concave mirror and a convex mirror for different positions of objects</li> </ul>	<a href="https://youtu.be/W3JE00hAZqA">https://youtu.be/W3JE00hAZqA</a>	<b>Experiential learning</b> -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"> <li>Experimentally find focal length of a concave mirror by focussing the image of a distant object.</li> </ul>	<a href="https://youtu.be/P9tPk5jCc_hQ">https://youtu.be/P9tPk5jCc_hQ</a>	
		<ul style="list-style-type: none"> <li>Investigate the uses of plane mirrors, concave mirrors and convex mirrors in our day-to-day life, with the help of activity</li> </ul>	<a href="https://youtu.be/AqXjuRie6mY">https://youtu.be/AqXjuRie6mY</a>	<b>Subject Enrichment</b> -*How can the image of an object formed in a plane mirror be studied
		<ul style="list-style-type: none"> <li>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</li> </ul>	<a href="https://youtu.be/DuaXfkW3wGU">https://youtu.be/DuaXfkW3wGU</a>	
			<a href="https://youtu.be/_86PsrjubrU">https://youtu.be/_86PsrjubrU</a>	
<b>Assesment</b>	Weekly written test, Oral test			
<b>MAY</b>	<b>2-Refraction of Light and Lenses</b> and application of spherical mirrors and lenses	<ul style="list-style-type: none"> <li>Classify optical medium as a rarer or a denser medium.</li> <li>Comprehend definition of refraction of light and represent diagrammatically</li> </ul>	<a href="https://youtu.be/_AQI17fXPKo">https://youtu.be/_AQI17fXPKo</a>	
		<ul style="list-style-type: none"> <li>Evolve laws of refraction of light, verify them experimentally</li> <li>Interpret the meaning of the term refractive index and its relation to the velocity of light</li> </ul>	<a href="https://youtu.be/EWJthSa6u4">https://youtu.be/EWJthSa6u4</a>	<b>Experiential learning</b> -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 results.
		<ul style="list-style-type: none"> <li>Analyse the reason behind everyday phenomena using knowledge of refraction of light</li> <li>Develop definition of a lens</li> <li>Identify types of lens</li> <li>Discover rules for image formation in lenses</li> </ul>	<a href="https://youtu.be/Nn_PxgYFRiA">https://youtu.be/Nn_PxgYFRiA</a>	<b>Subject enrichment</b> -Application of convex lens in binoculars, telescope and microscope
		<ul style="list-style-type: none"> <li>Sketch ray diagrams to locate image in convex and concave lenses</li> <li>Study the image formed by lenses</li> </ul>	<a href="https://youtu.be/KKvRLDadv8">https://youtu.be/KKvRLDadv8</a>	
		<ul style="list-style-type: none"> <li>Experimentally find the focal length of convex lens by focussing the image of a distant object</li> </ul>	<a href="https://youtu.be/RMfuREalTWM">https://youtu.be/RMfuREalTWM</a>	

		<ul style="list-style-type: none"> <li>• Comprehend the lens formula and magnification formula</li> <li>• Solve numerical problems</li> </ul>	<a href="https://youtu.be/QOM-J22AM7I">https://youtu.be/QOM-J22AM7I</a>	
		<ul style="list-style-type: none"> <li>• Develop meaning of power of lens, state and define its unit.</li> </ul>	<a href="https://youtu.be/Csv4Wi2a1IQ">https://youtu.be/Csv4Wi2a1IQ</a>	
<b>Assesment</b>	Quiz, Weekly written test, Periodic test-1 syllabus-chapter Light			
<b>JUNE</b>	<b>SUMMER BREAK</b>			
<b>JULY</b>	<b>CHAPTER-11 Human Eye and Colourful World</b>			<b>Art integration-</b> To Prepare a Scrap book on defects of human eye and its correction.
	<b>1-Functioning of lens in human eye, defects of vision and their corrections</b>			
	<b>2- Refraction of light through a glass prism</b>	<ul style="list-style-type: none"> <li>• Draw the shape of the prism and define angle of prism.</li> <li>• Trace the path of a ray of light through a glass prism</li> <li>• Develop meaning of angle of deviation</li> </ul>	<a href="https://youtu.be/JsaUCH6f5pU">https://youtu.be/JsaUCH6f5pU</a>	<b>Experiential learning-</b> Observe the bending of pencil and raising of coin, lemon in pure water and write your observation regarding phenomenon of refraction
	<b>3-Dispersion of light</b>	<ul style="list-style-type: none"> <li>• Comprehend the term dispersion of light</li> <li>• Develop the meaning of spectrum &amp; name its colours</li> <li>• Deduce the cause of dispersion</li> </ul>	<a href="https://youtu.be/G4YX6xNNXD">https://youtu.be/G4YX6xNNXD</a>	<b>Art integration-</b> 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 <b>Newton's Disc</b>
<b>Assesment</b>	Model Making			
<b>AUGUST</b>		<ul style="list-style-type: none"> <li>• Illustrate that white light is composed of seven colours</li> <li>• Logically analyse the reason for the formation of rainbow.</li> </ul>	<a href="https://youtu.be/rMQli-Gmz2v">https://youtu.be/rMQli-Gmz2v</a>	<b>Subject enrichment-</b> Make a report on how to improve health of human eye

	<b>3- Atmospheric Refraction</b>	<ul style="list-style-type: none"> <li>Discover that atmosphere consists of layers of air having different densities.</li> </ul>	<a href="https://youtu.be/KIAxm1UEOC">https://youtu.be/KIAxm1UEOC</a>	<b>Experiential learning</b> -*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"> <li>Justify how stars appear to twinkle but planets do not twinkle.</li> <li>Deduce the reason for apparent position of star due to refraction</li> </ul>		<b>Experiential learning</b> -Tracing the path of the rays of light through a glass prism
		<ul style="list-style-type: none"> <li>Understand the reason for advanced sunrise and sunset</li> <li>Understand the reason for advanced sunrise and sunset</li> </ul>		
	<b>3- Scattering of light</b>	<ul style="list-style-type: none"> <li>Develop concept of scattering of light and Tyndall Effect</li> <li>Infer that the colour of Scattered light depends on the size of particles <ul style="list-style-type: none"> <li>Reason out the blue colour of the sky &amp; red colour of sun at sunrise</li> </ul> </li> <li>Observe the scattering of blue light by colloidal solution</li> </ul>	<a href="https://youtu.be/F0WBGw3fims">https://youtu.be/F0WBGw3fims</a>	
<b>SEPTEMBER</b>	<b>MID-TERM EXAM</b>			
<b>OCTOBER</b>	<b>CHAPTER 12- ELECTRICITY</b>	<ul style="list-style-type: none"> <li>Identify charge as a fundamental quantity. <ul style="list-style-type: none"> <li>Develop meaning of electric current and its unit, electric potential, potential difference and their units.</li> </ul> </li> </ul>	<a href="https://youtu.be/0AaCcJ_j4mv">https://youtu.be/0AaCcJ_j4mv</a>	<b>Experiential learning</b> -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"> <li>Evolve Ohm's law and express it mathematically. <ul style="list-style-type: none"> <li>Verify Ohm's law experimentally.</li> </ul> </li> </ul>	<a href="https://youtu.be/phg40i2GQI">https://youtu.be/phg40i2GQI</a>	
		<ul style="list-style-type: none"> <li>Develop meaning of resistance using Ohm's law <ul style="list-style-type: none"> <li>List the factors which affect resistance.</li> </ul> </li> </ul>	<a href="https://youtu.be/6xyg1Ohu7BE">https://youtu.be/6xyg1Ohu7BE</a>	
		<ul style="list-style-type: none"> <li>Explain resistivity, Conductors, resistors &amp; insulators</li> </ul>	<a href="https://youtu.be/jEmMTUyUKs">https://youtu.be/jEmMTUyUKs</a>	*Make a list of conductor, insulator and write their properties
		<ul style="list-style-type: none"> <li>Experimentally determine the factors affecting resistance</li> </ul>	<a href="https://youtu.be/7w7MieTPjI">https://youtu.be/7w7MieTPjI</a>	

		<ul style="list-style-type: none"> <li>• Calculate effective resistance in series and in parallel combination</li> </ul>	<a href="https://youtu.be/JlwGgQrK68">https://youtu.be/JlwGgQrK68</a>	
		<ul style="list-style-type: none"> <li>• Experimentally verify the laws of resistances in series and in parallel</li> </ul>	<a href="https://youtu.be/oCQeF7WRNgs">https://youtu.be/oCQeF7WRNgs</a>	
	<b>2- Heating effect of current</b>	<ul style="list-style-type: none"> <li>• Analyse the uses of conductors, resistors and insulators.</li> <li>• Observe that heat is produced due to flow of current</li> </ul>	<a href="https://youtu.be/zqapY8PSB6M">https://youtu.be/zqapY8PSB6M</a>	
		<ul style="list-style-type: none"> <li>• State Joule's law and express it mathematically</li> <li>• Recognise application of commercial unit of energy in our daily life</li> </ul>	<a href="https://youtu.be/sWd5dd8RG">https://youtu.be/sWd5dd8RG</a>	<b>Subject Enrichment</b> -*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"> <li>• Infer that appliances of higher power consume more energy. So to save energy, use of high power appliances should be minimized</li> <li>• Discover applications of heating effect of electric current like fuse, heaters.</li> </ul>	<a href="https://youtu.be/7YrjrHAWqcM">https://youtu.be/7YrjrHAWqcM</a>	
<b>Assesment</b>	Weekly written and oral test			
<b>NOVEMBER</b>	<b>CHAPTER 13- Magnetic Effect of Electric Current</b> <b>1. Magnets</b> <b>2. Magnetic effect of electric current</b>	<ul style="list-style-type: none"> <li>• Recall magnets and list their important properties</li> </ul>	<a href="https://youtu.be/3lusVaE4Gx0">https://youtu.be/3lusVaE4Gx0</a>	<b>Experiential learning</b> -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"> <li>• Conceptualize magnetic field lines and list their properties</li> </ul>	<a href="https://youtu.be/ETJWrsJtN9I">https://youtu.be/ETJWrsJtN9I</a>	
		<ul style="list-style-type: none"> <li>• Experimentally trace magnetic lines of force</li> </ul>	<a href="https://youtu.be/Dm686nrNnfc">https://youtu.be/Dm686nrNnfc</a>	
		<ul style="list-style-type: none"> <li>• Interpret construction of Solenoid &amp; electro-magnet and their uses</li> </ul>	<a href="https://youtu.be/mpOg-qGwHiM">https://youtu.be/mpOg-qGwHiM</a>	
		*Comprehend and apply right hand thumb rule to find out direction of magnetic field	<a href="https://youtu.be/8hFWFtFBFpM">https://youtu.be/8hFWFtFBFpM</a>	
		<ul style="list-style-type: none"> <li>• Experimentally study the force acting on a current carrying conductor</li> </ul>	<a href="https://youtu.be/lahQXNvZxt8">https://youtu.be/lahQXNvZxt8</a>	

		<ul style="list-style-type: none"> <li>• Comprehend and apply Fleming's Left hand rule for finding direction of force on a current carrying conductor</li> </ul>	<a href="https://youtu.be/GkD8RMEXi6s">https://youtu.be/GkD8RMEXi6s</a>	
			<a href="https://youtu.be/IGfO7MKVxmg">https://youtu.be/IGfO7MKVxmg</a>	
			<a href="https://youtu.be/17ePwh-bg_4">https://youtu.be/17ePwh-bg_4</a>	
	<p style="text-align: center;"><b>Magnetic effect of electric current</b> Domestic electric circuit</p>	<p>*Able to know about electric generator and differentiate between AC and DC current</p>	<p>Differentiate between the appliances available in your home in which AC and DC current flow and also write their characteristics</p>	<p><b>Art integration-</b> To draw the domestic electric circuit (by using different colours) for two rooms and highlights the role of live, Neutral and earth wire</p>
<b>Assesment</b>	synopsis and worksheet			
<b>DECEMBER</b>	FLT			
<b>JANUARY</b>	PREBOARD			