

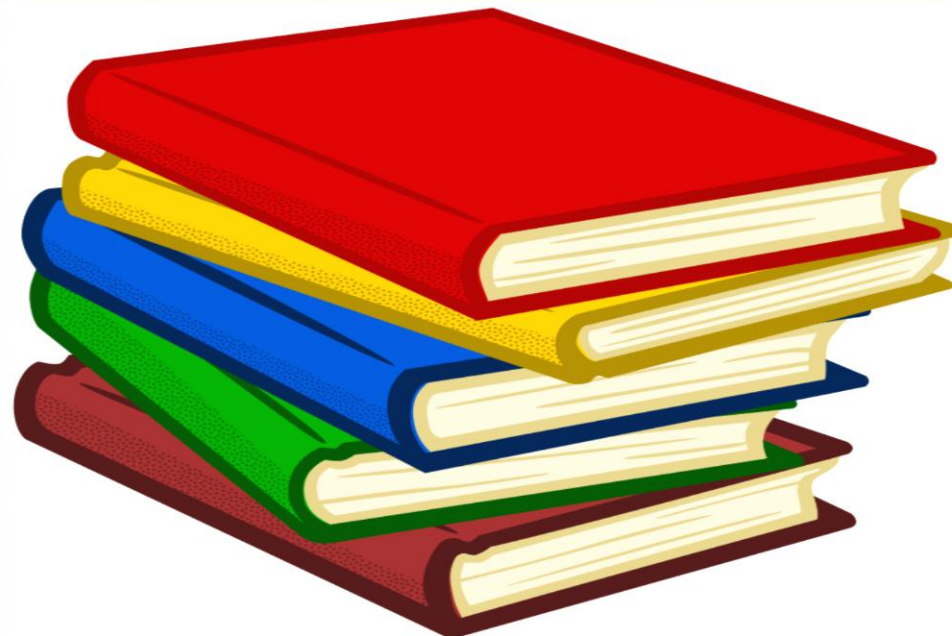


Bal Bharati
PUBLIC SCHOOL

Sector -21, Noida

SYLLABUS 2021-22

CLASS - X



SUBJECT : ENGLISH LANGUAGE AND LITERATURE

SECTIONS	COMPETENCIES	TOTAL MARKS	WEIGHTAGE
Reading Comprehension	Conceptual understanding, decoding, analyzing, inferring, interpreting and vocabulary	20	25%
Writing Skills and Grammar	Creative expression of an opinion, reasoning, justifying, illustrating, appropriacy of style and tone, using appropriate format and fluency. Applying conventions, using integrated structures with accuracy and fluency	20	25%
Literature Textbook and Supplementary Reading Text	Recalling, reasoning, appreciating, applying literary conventions illustrating and justifying etc. Extract relevant information, identifying the central theme and sub-theme, understanding the writers' message and writing fluently.	40	50%
TOTAL		80	

TEXTBOOKS:

1. FIRST FLIGHT
2. FOOTPRINTS WITHOUT FEET (SUPPLEMENTARY READER)

MONTH	FIRST FLIGHT	FOOTPRINTS WITHOUT FEET (SUPPLEMENTARY READER)	GRAMMAR	WRITING SKILLS	LEARNING OBJECTIVES	PEDAGOGY/ ACTIVITIES
March	A Letter to God Dust of Snow (poem) Nelson Mandela	A Triumph of Surgery	Tenses and Verb Forms	Formal Letter (to Editor)	To educate the students about importance of having faith	Group Discussion on Faith
April	Fire and Ice (poem) Two stories about flying: Black Aeroplane A Tiger in the Zoo (poem)	The Thief's Story	Modals	Formal Letter based on a given situation	To guess what will ultimately bring this world to an end To tell the students that Trust is important and it can reform wayward people as well as hardened criminals To bring out the difference between a free life and a caged one	<ul style="list-style-type: none"> • Exchange of Ideas on the origin and end of this world • Narration of similar experiences by the students • GD on moral values and societal attitudes • Discussion on the difference between caged animals and ones in the forest • Poster on a caged tiger versus a free tiger
May	His First Flight	Footprints Without Feet	Voice Subject-Verb Concord	Business Letters	To tell the students about the difficult times faced by the Jews in Hitler's regime	Debate on Supernatural and Life After Death

	From the Diary of Anne Frank The Ball Poem (poem)				and the tribulations of a young teenager To emphasize on the need to listen to our parents and take their criticism positively	Discussion on the Nazi era and Germany in the times of Hitler Research on 'The Invisible Man' and eliciting more information
July	The Hundred Dresses –I & II Amanda Animals How to Tell Wild Animals Trees	The Making of a Scientist A Question of Trust	Reported Speech	Writing an analytical paragraph (word limit 100-120 words) based on a given outline/ Data/ Chart/ Cue/s .		Classroom discussion on social inequality and behavior of classmates towards the underprivileged Activity (Integrated with Art): (i) Make paintings of your favourite dresses (ii) Present a talk on fashion designing Eliciting students' response and views on behavior of parents and their nagging ways
August	Glimpses of India Madam Rides the Bus Fog	The Necklace The Midnight Visitor	Determiners			Mind Mapping on India and its varied culture Collage Making Narration by students on their first independent journey or similar kind of achievement

September	<p>The Sermons At Benaras</p> <p>The Tale of Custard the Dragon</p> <p>Mijbil the Otter</p>	The Hack Driver	Use of Passive Voice		To educate the students about the importance of being honest	<p>Exchange of views on various kinds of pets and their peculiar behavior</p> <p>What is a Ballad? Examples of Ballad in English and Hindi Literature</p> <p>Poster making (The tale of Custard, the dragon)</p> <p>Debate on the decision of Buddha to leave home in search of enlightenment</p> <p>Collage of pictorial depiction of life of Buddha</p>
October	<p>For Anne Gregory</p> <p>The Proposal (play)</p>	<p>Bholi</p> <p>The Book that saved the Earth</p>			A play about wealthy families seeking matrimonial ties with other similar families for material gains	<p>Enactment</p> <p>Slogan writing on Women safety</p> <p>Debate on False Pretences and need for Social acceptability among the middle classes</p>
November	Revision and Pre Board 1					

कक्षा - दसवीं विषय - हिंदी					
मास	पाठ का नाम (साहित्य खंड)	व्याकरण तथा रचनात्मक लेखन	शिक्षण- अधिगम के प्रतिफल	नवीन शिक्षण युक्तियाँ कला एकीकरण अंतर्विषयी दृष्टिकोण	गतिविधि परियोजना
मार्च-अप्रैल	पाठ-बड़े भाईसाहब कविता – साखी (कबीरदास) पाठ – डायरी का एक पन्ना	- शब्द, पद और पदबंध के प्रकार, मुहावरे, रचना के आधार पर वाक्य-भेद, वाक्य-रूपांतरण , अपठित बोध, रचनात्मक लेखन, औपचारिक पत्र-लेखन	भाषिक कौशलों का विकास, शब्द-कोश में करना वृद्धि, मुहावरेदार भाषा की योग-आदि। प्रअभिवृद्धि में क्षमता भाषिक कौशलों का विकास कोश-शब्द , , वृद्धि में मानवीय मूल्य स्थापित करना का क्षमता की रसास्वादन के साहित्य विकास भाषिक कौशलों का विकास में ज्ञान-शब्द , देशभक्ति , कराना परिचित , करना वृद्धि करना प्रबल भावना की भाषा-ज्ञान में वृद्धि, शब्द वृद्धि में कोश करना, भाषा के आलंकारिक (मुहावरेदार भाषा) प्रयोग की क्षमता में अभिवृद्धि, रचनात्मक लेखन का विकास आदि।	छात्रों को अंग्रेजी में अनुवादित MY Elder Brother के विषय में बताते हुए पठन-पाठन दोहों का वाचन कराते हुए उका भावार्थ समझाया जाएगा।	कक्षा में छात्रों द्वारा नाटक-मंचन दोहों का सस्वर गायन
मई	कविता – पद (मीराबाई)		भाषिक कौशलों का विकास कोश-शब्द , भावना-भक्ति में छात्रों , करना वृद्धि में उत्पन्नकरना रसास्वादन के कविता , वृद्धि में क्षमता की		पदों का सस्वर गायन

<p>जून</p>	<p>पाठ –ततारा वामीरो-कथा</p> <p>कविता – पर्वत प्रदेश में पावस</p> <p>कहानी – हरिहर काका</p>	<p>अपठित बोध, अलंकार, लघु-कथा लेखन, विज्ञापन लेखन</p>	<p>भाषिक कौशलों का विकास शको-शब्द , की मूल्यों मानवीय ,करना वृद्धि में विरोध का मान्यताओं संकीर्ण ,प्रतिष्ठा देना प्रेरणा की करने</p> <p>भाषिक कौशलों का विकास कोश-शब्द , की रसास्वादन के कविता ,करना वृद्धि में में क्षमतावृद्धि और की प्रेम-प्रकृति , करना उन्मुख</p> <p>साहित्य की गद्य विधा के अंतर्गत कहानी का परिचय देना , सहज अभिव्यक्ति करने की क्षमता का विकास, रिश्ते-नातों में प्रेम व सम्मान की भावना अपनाने हेतु प्रेरित करना भाषा का विकास, चिंतन-मनन की योग्यता में वृद्धि, वाक्य- ज्ञान, जन-जागरण हेतु विज्ञापन की उपादेयता आदि</p>	<p>लोककथाओं के द्वारा देश की सांस्कृतिक विरासत का झलक</p> <p>मीडिया की उपयोगिता, उसके कर्तव्यों का उल्लेख, सामाजिक जागृति आवश्यक</p> <p>सामाजिक- विज्ञान के साथ एकीकृत गतिविधि – विषय- जागो, ग्राहक जागो नामक विषय पर छात्रों द्वारा विज्ञापन निर्माण</p>	<p>छात्रों को विभिन्न लोककथाओं का पठन करने हेतु प्रेरित करना</p> <p>प्रकृति अन्य संबंधित से वर्णन- उ का रचनाओं की कवियोंल्लेख</p> <p>विघटित होते पारिवारिक मूल्यों पर चिंतन</p> <p>इसके अंतर्गत प्रत्येक छात्र निजी तौर पर पैडलेट पर अपनी प्रस्तुति देगा।</p>
<p>जुलाई</p>	<p>कविता –तोप</p> <p>कविता- मनुष्यता</p>		<p>भाषिक कौशलों का विकास भंडार-शब्द , करना वृद्धि में भावना की देशप्रेम करना जाग्रत</p> <p>साहित्य रुचि प्रति के (पठन-कविता) ,करना द्विवृ में कोश-शब्द ,करना उत्पन्न प्रतिष्ठा की गुणों के मानवीयता</p>	<p>इतिहास के उद्धृत उदाहरणों का उल्लेख</p>	<p>कविता का सस्वर भावपूर्ण वाचन तथा कविता में आए ऐतिहासिक उदाहरणों से संबंधित घटनाओं का वाचन-श्रवण</p>

	कहानी-सपनों के-से दिन	समास, पत्र-लेखन, सूचना-लेखन, अलंकार	भाषिक कौशलों का विकास करना, बाल मनोविज्ञान से परिचय, स्वानुभव अनुभूति की भावना जाग्रत करना आदि भाषा का विकास, शब्द-ज्ञान में वृद्धि, भाषा के व्यावहारिक तथा आलंकारिक प्रयोग की क्षमता का विकास, चिंतन-मनन की योग्यता में वृद्धि, वाक्य-ज्ञान आदि	बचपन की खट्टी-मीठी यादों को संजोए रखने में सुखद अनुभूति का आनंद लेते हुए कहानी पठन	
अगस्त	पाठ दूसरों कहाँ अब - होने दुखी में दुख के वाले कविता – दोहे बिहारी) (कविता हम चले कर-फिदा	- समास, रचना के आधार पर वाक्य-भेद, वाक्य-रूपांतरण, लघु-कथा लेखन	भाषिक कौशलों का विकास कोश-शब्द , में वृद्धि करना प्रति के पर्यावरण , में छात्रों , करना जागरूक नैतिकविकास का मूल्यों- भाषिक कौशलों का विकास , -शब्द , में कोश , करना स्थापित मूल्य मानवीय की रसास्वादन के साहित्य करना वृद्धि का क्षमता विकास भाषिक कौशलों का विकास भंडार-शब्द , , करना वृद्धि में देशप्रेम व देशभक्ति की भावना जाग्रत करना भाषा का विकास, शब्द-ज्ञान में वृद्धि, वाक्य-ज्ञान आदि	पर्यावरण संरक्षण की महत्ता को समझाते हुए छात्रों के प्रयासों की सराहना कवि का संक्षिप्त परिचय देकर उसकी भक्ति-भावना से छात्रों को परिचित कराना संगीत के साथ एकीकृत गतिविधि – उचित लय, अनुतान के साथ कविता-गायन	पर्यावरण संबंधी नारे-लेखन दोहों का सस्वर गायन देशभक्ति के अन्य गीतों का वाचन/गायन
सितंबर	पाठ टूटी में पतझड़-पत्तियाँ	-	भाषिक कौशलों का विकासकोश-शब्द , में वृद्धि करना जीने जीवन आदर्शवादी , के आधुनिकीकरण , करना प्रेरित को को दुष्प्रभावों वाले पड़ने पर मानव कारण करना उजागर		

	कहानी-टोपी शुक्ला	मुहावरे, अपठित बोध, समास, पदबंध के प्रकार, अलंकार	भाषिक कौशलों का विकास करना, बाल मनोविज्ञान से परिचय, मानवीय मूल्यों का विकास, स्वानुभव अनुभूति की भावना जाग्रत करना आदि भाषा का विकास, शब्द-ज्ञान में वृद्धि, चिंतन-मनन की क्षमता का विकास आदि		
अक्टूबर	पाठ – कारतूस (एकांकी) कविता- आत्मत्राण	- मुहावरे, अपठित बोध, अनुच्छेद लेखन, विज्ञापन-लेखन, सूचना लेखन	भाषिक कौशलों का विकास करना, शब्द वृद्धि में ज्ञान-राष्ट्रप्रेम की भावना का विकास करना भाषिक कौशलों का विकास करना, शब्द प्रति के पठन-कविता, वृद्धि में ज्ञान-जीवन संघर्षशील, करना उत्पन्न रुचि करना प्रेरित को जीने भाषा-ज्ञान में वृद्धि, शब्द द्विवृ में कोश करना, भाषा के आलंकारिक (मुहावरेदार भाषा) प्रयोग की क्षमता में अभिवृद्धि, रचनात्मक लेखन का विकास आदि।	देश के अमर सपूतों के बलिदान को स्मरण करते हुए कुछ देशभक्तों की कहानी सुनना-सुनाना	एकांकी का कक्षा में मंचन जीवन में आशावादी तथा दृढ़ता की भावना को प्रबल बनाने वाले प्रार्थना भावपूर्ण की गीतों-प्रस्तुति

शैक्षणिक-योजना : संस्कृतम् (2021-22)

कक्षा -दशमी, विषय - संस्कृतम्

पाठ्यपुस्तक सूची-

1. शेमुषी (पाठ्यपुस्तकम्) भाग-2
2. अभ्यासवान् भव (अभ्यासपुस्तकम्) भाग-2
3. व्याकरण वीथिः (अभ्यासपुस्तकम्)

मास	पाठस्य नाम (शेमुषी)	व्याकरणम्, रचनात्मक- लेखनम्	शिक्षण-अधिगमस्य प्रतिफलानि	नवीनशिक्षणयुक्तयः/कला एकीकरणम्/ अंतर्विषयि-दृष्टिकोणः	गतिविधयः/ परियोजनाः
मार्च	मङ्गलम् , शुचिपर्यावरणम्	-	प्रकृति-प्रेम्णः उद्भावनम्, पर्यावरणस्य शुद्धतायाः अवबोधनम्, महानगरीय-ग्रामीणजीवनयोः भेदस्य स्पष्टीकरणम्, वायु-जल-प्रदूषणम् प्रति चिन्तनम्, पर्यावरणस्य संरक्षणार्थम् विविधोपायानाम् चिन्तनम्। विलोम-पर्यायशब्दैः शब्द- भंडारे अभिवृद्धिः।	विज्ञानेन, सामाजिकविज्ञानेन संगीतेन च सह एकीकरणम् - जल-वायु- वृक्षादीनाम् प्रकृतेः उपादानानाम् उपयोगिता, पर्यावरणस्य संरक्षणार्थम् प्रयत्नाः -अस्मिन् विषये चर्चा-परिचर्चा; श्लोकानाम् सस्वरगायनम् ।	आरोह- अवरोहपूर्वकम् श्लोकानाम् शुद्धोच्चारणम्, गायनम् च। गृहेषु पादपारोपणम्।

अप्रैल	बुद्धिर्बलवती सदा	<p>समासाः- तत्पुरुषः, अव्ययीभावः; अव्ययानि; विसर्ग, व्यञ्जन सन्धिः, मतुप् प्रत्ययः, चित्रलेखनम् ।</p>	<p>कथायाः माध्यमेन बुद्धिचातुर्यस्य महत्त्वस्य प्रतिपादनम् ,शब्द-भंडारे अभिवृद्धिः, शारीरिक बलस्य न्यूनतायाः स्थितौ बौद्धिक बलेन वाक्पटुतया च आसन्न-विपदाम् दूरीकरणम्, विलोम-पर्यायशब्दैः शब्द-भंडारे अभिवृद्धिः ।</p> <p>समासयोः समस्तपदनिर्माणं समासविग्रहं च कर्तुम् सक्षमाः स्युः । अव्ययपदानां समुचितप्रयोगे सक्षमाः । व्यञ्जन-विसर्गसंधिः संधिच्छेदम् संयोगम् च कर्तुम् सक्षमाः स्युः, प्रत्ययस्य प्रयोगे सक्षमाः स्युः । चित्राधारित-संस्कृतवाक्यानाम् शुद्धलेखनम् ।</p>	<p>विलोम-पर्यायशब्दैः शब्द-भंडारे अभिवृद्धिः, सुदृढः व्याकरणपक्षः,</p> <p>तत्पुरुषसमासस्य नियमानां स्पष्टीकरणम् उचितप्रयोगः च । अव्ययीभावसमासस्य नियमानां स्पष्टीकरणम् उचितप्रयोगः च । अव्ययपदानां समुचितप्रयोगः । व्यञ्जनसंधेः विसर्गसंधेः नियमानां स्पष्टीकरणम् उचितप्रयोगः च ।</p>	<p>बौद्धिकबलेन सम्बद्ध-रोचककथानाम् पठनम्</p> <p>पत्र लेखनम् स्फोरकपत्रे अव्ययपदानां प्रस्तुतीकरणम् । स्फोरकपत्रे शब्दैःसह मतुप्-प्रत्ययम् संयोज्य तालिका-निर्माणम् ।</p>
मई		<p>अपठित- अवबोधनम्, पत्रम्, संस्कृतानुवादः, वाच्यम्- कर्तृ- कर्म- भाववाच्यम्, समय-लेखनम्,</p>	<p>पत्रप्रारूपस्य ज्ञानम् पत्रपूर्तिः च । अनुवादः - लकार-पुरुष-वचन-उपपदविभक्ति-विशेषण-विशेष्यानाम् उचितप्रयोगेन संस्कृतानुवादम् कर्तुम् सक्षमाः स्युः । कर्तृ-कर्म-भाववाच्यानुसारम् उचितशब्दस्य चयने प्रयोगे च सक्षमाः स्युः । समयवाचकशब्दानाम् नियमानाम् स्पष्टीकरणम् उचितप्रयोगः च ।</p>	<p>संस्कृतानुवादस्य नियमानां स्पष्टीकरणम् उचितप्रयोगः च । कर्तृ-कर्म-भाववाच्यानां नियमानां स्पष्टीकरणम् उचितप्रयोगः च । समयवाचकशब्दानाम् नियमानाम् स्पष्टीकरणम् उचितप्रयोगः च ।</p>	<p>स्फोरकपत्रे घटिकानिर्माणम् समय-लेखनम् च ।</p>

<p>जून</p>	<p>व्यायामः सर्वदा पथ्यः</p>	<p>प्रत्ययः --ठक्</p>	<p>आचार्यसुश्रुतेन प्रतिपादितानाम् व्यायामानाम् क्रियात्मकयोगस्य महत्त्वप्रतिपादनम्, व्यायामेन भोज्यपदार्थानाम् पाचनस्य शारीरिकसौष्टवस्य च महत्त्वम्। श्लोकानाम् अन्वयज्ञानम्, विलोम- पर्यायशब्दैः शब्द-भंडारे अभिवृद्धिः।</p> <p>प्रत्ययस्य प्रयोगे सक्षमाः।</p>	<p>विज्ञानेन/ संगीतेन खेलानाम् -च सह एकीकरणम् - सामर्थ्यानुसारम् यथाशक्ति व्यायामस्य महत्त्वम्, व्यायामस्य वीडियो-निर्माणम्। श्लोकानाम् सस्वरगायनम् ।</p>	<p>आरोह-अवरोह- पूर्वकम् श्लोकानां शुद्धोच्चारणं गायनं च। स्फोरकपत्रे स्वास्थ्यस्य नियमानां आकर्षकं प्रस्तुतीकरणम्।</p> <p>स्फोरकपत्रे शब्दैःसह ठक्- प्रत्ययम् संयोज्य तालिका-निर्माणम्।</p>
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जुलाई	<p>शिशुलालनम् ,</p> <p>जननीतुल्यवत्सला</p>	<p>-</p> <p>प्रत्ययाः - तल्, त्व, समासाः - बहुव्रीहिः</p>	<p>श्रीरामस्य जीवनस्य प्रसङ्गेन मातापित्रोः महत्त्व-प्रतिपादनम्, मातापित्रोः प्रेम्णि एव बालानाम् जीवनस्य निर्माणस्य अवबोधनम्,</p> <p>पुत्र-प्रेम्णः उद्भावनम् , कथायाः माध्यमेन मानव-पशु-पक्षिषु ममत्वं, मातृभावस्य च अवबोधनम्, शब्द- भंडारे अभिवृद्धिः,</p> <p>प्रत्ययानाम् प्रयोगे सक्षमाः । बहुव्रीहिसमासस्य समस्तपदनिर्माणं समासविग्रहं च कर्तुम् सक्षमाः स्युः ।</p>	<p>नाट्य-शैल्याः परिचयः, नाट्याभिनय- कलायाः विकासः ।</p> <p>मातृभक्तेः प्रेरणा, नाट्य- प्रस्तुतीकरणेन अभिनय-कलायाः विकासः , विलोम- पर्यायशब्दैः शब्द-भंडारे अभिवृद्धिः ।</p> <p>प्रत्ययानाम् नियमानाम् स्पष्टीकरणम् उचितप्रयोगः च । बहुव्रीहिसमासस्य नियमानां स्पष्टीकरणम् उचितप्रयोगः च ।</p>	<p>कक्षायाम् नाट्य- प्रस्तुतीकरणम्</p> <p>मातुः ममतायुत- व्यवहारस्य उद्धरणानाम् उल्लेखः</p> <p>स्फोरकपत्रे शब्दैः सह तल् , त्व प्रत्ययौ संयोज्य तालिका-निर्माणम् ।</p>
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अगस्त	सुभाषितानि, सौहार्द प्रकृतेः शोभा -	-	परिश्रमः, क्रोध-द्वेषयोः च त्यागः, श्रेष्ठजनानां संगतिः चेति व्यावहारिकजीवने उपयोगिशिक्षायाः ज्ञानम्, सद्गुणानां नैतिक- मूल्यानाम् पल्लवनम् उद्भावनम् च । श्लोकानाम् अन्वयज्ञानम्, विशेषण-विशेष्यस्य नियमानाम् स्पष्टीकरणम् उचितप्रयोगः च ।	नैतिकशिक्षया सह एकीकरणम् - नैतिक-मूल्यानाम् पल्लवनम् उद्भावनम् च । विज्ञानेन /नाट्याभिनय-कलया च सह एकीकरणम् -- नाट्य- प्रस्तुतीकरणम्, प्रकृतेः उपयोगिता, जगतः प्रत्येकजीवस्य सौहार्दपूर्णव्यवहारेण च जीवनयापनस्य प्रेरणा, नाट्य-शैल्याः परिचयः, नाट्याभिनय-कलायाः विकासः ।	आरोह-अवरोह- पूर्वकम् श्लोकानां शुद्धोच्चारणं गायनं च । नैतिकमूल्येषु आधारित-सूक्तीनाम् आकर्षकं प्रस्तुतीकरणम्, कक्षायाम् नाट्य- प्रस्तुतीकरणम्, स्फोरकपत्रे शब्दैः सह टाप्, डीप् प्रत्ययौ संयोज्य तालिका- निर्माणम् ।
		प्रत्ययाः -टाप्, डीप्,	जगतः प्रत्येकजीवस्य सौहार्दपूर्णव्यवहारेण च जीवनयापनस्य प्रेरणा, प्रकृतिमातुः स्नेहः जीवानां कृते महत्त्वपूर्णः इत्यस्य उद्बोधनम्, पशु-पक्षिणां माध्यमेन सामाजिक-समरसतायाः संदेशः। विलोम-पर्यायशब्दैः शब्द- भंडारे अभिवृद्धिः।	प्रत्यययोः नियमानाम् स्पष्टीकरणम् उचितप्रयोगः च ।	प्रत्यययोः उचितप्रयोगः ।

सितंबर	विचित्रः साक्षी	-	न्यायस्य सूक्ष्मतायाः महत्त्वं न्यायाधीशस्य च बुद्धिमत्तायाः अवबोधनम्, निर्दोषजनेषु न्यायं प्रति श्रद्धायाः भावजागरणम् । भाषिक-कौशलानां विकासः, विलोम-पर्यायशब्दैः शब्द-भंडारे अभिवृद्धिः ।	सामाजिकविज्ञानेन सह एकीकरणम् - न्यायं प्रति श्रद्धायाः भावजागरणम् । साक्षेः महत्त्वप्रतिपादनम् ।	न्यायाधीशस्य बुद्धिमत्तां वर्णयन् रोचक-उद्धरणानां उल्लेखः
	-	द्वन्द्वः समासः	द्वंद्वसमासस्य समस्तपदनिर्माणं समासविग्रहं च कर्तुम् सक्षमाः स्युः ।	द्वंद्वसमासस्य नियमानां स्पष्टीकरणम् उचितप्रयोगः च ।	
अक्तूबर	सूक्त्यः	-	तमिलभाषायाः महाकवेः तिरुवल्लुवरस्य शिक्षाभिः माध्यमेन नैतिकमूल्यानाम् अवबोधनम्, पल्लवनम् उद्भावनम् च । आरोह-अवरोहपूर्वकम् श्लोकानाम् शुद्धोच्चारणम् । श्लोकानाम् अन्वयज्ञानम्, विशेषण-विशेष्यस्य नियमानाम् स्पष्टीकरणम् उचितप्रयोगः च ।	संगीतेन सह एकीकरणम् :- श्लोकानाम् सस्वरगायनम् ,	आरोह-अवरोहपूर्वकम् श्लोकानाम् सस्वरवाचनम्, गायनम् च । स्फोरकपत्रे सूक्तीनाम् आकर्षक-प्रस्तुतीकरणम्,
	-	अशुद्धि-संशोधनम्	लकार-पुरुष-वचन-उपपदविभक्ति-विशेषण-विशेष्यानाम् अशुद्धि-संशोधनं कर्तुम् सक्षमाः स्युः ।	अशुद्धि-संशोधनस्य नियमानां स्पष्टीकरणम् उचितप्रयोगः च ।	

नवम्बर	प्राणेभ्योऽपि प्रियः सुहृद्	पुनरावृत्ति	मित्रस्य महत्त्वं, मित्रस्य कृते प्राणोत्सर्गस्य प्रेरणा , विलोम- पर्यायशब्दैः शब्द-भंडारे अभिवृद्धिः।	नाट्य-शैल्याः परिचयः, नाट्याभिनय- कलायाः विकासः ।	नाट्यप्रस्तुतीकरणं, मित्रता-आधारित- प्रेरणाप्रदकथानाम् उल्लेखः
दिसंबर		पुनरावृत्ति			
जनवरी		पुनरावृत्ति			

SUBJECT: FRENCH

Books:

Entre Jeunes 10 (Coursebook)

SetRite 10 (Assignment Workbook)

MONTH	LESSON	LEARNING OBJECTIVES	GRAMMAR	ACTIVITIES WITH ART INTEGRATION	LEARNING OUTCOMES
March/ April	L - 1. Retrouvons nos amis L - 2. Après le bac	<ul style="list-style-type: none"> • Se presenter/presenter quelqu'un • Decrire un lieu • Demander un avis • Exprimer ses preferences • Ecrire des lettres • Demander un renseignement • Les proverbs • Ecrire une lettre 	<ul style="list-style-type: none"> • La recapitulation de la grammaire • Les expressions • Le futur anterieur • La forme nominale 	<ul style="list-style-type: none"> • Discuter des préférences (Friends discussing their preferences – Role play) 	Les etudiants pourront se présenter, présenter quelqu'un d'autre, décrire un endroit, exprimer leurs préférences
May	L - 3. Chercher du travail L - 4. Le plaisir de lire	<ul style="list-style-type: none"> • Se renseigner • Decrire la carriere • Conseiller quelqu'un • S'inscrire a la bibliotheque • Inviter quelqu'un • Raconter un evenement • Faire un c.v en français 	<ul style="list-style-type: none"> • Les pronoms relatifs - simples et composes • Le plus-que parfait 	<ul style="list-style-type: none"> • Un jeu de rôle a la bibliothèque (Role play at library) 	Les etudiants pourront s'informer, décrire leur carrière, conseiller quelqu'un, s'inscrire a la bibliothèque, Raconter un evenement
July	L – 5. Les medias L - 6. Chacun ses goûts	<ul style="list-style-type: none"> • S'informer • Raconter des faits divers • Decrire une emission televisee • Exprimer ses goûts • Inviter quelqu'un • Raconter une histoire • Décrire une visite au musée/ au cinema 	<ul style="list-style-type: none"> • La forme nominale • Les pronoms personnels : Y & en • Les pronoms démonstratifs simples et composées 	<ul style="list-style-type: none"> • Raconter une histoire-chacun raconte une histoire dans la classe (Story telling – Students will tell/narrate a story in French language.) 	Les etudiants pourront raconter des faits divers, décrire leur émission préférée, exprimer leurs goûts, raconter une histoire, décrire une visite

August	L - 7. En pleine forme L – 8. L'environnement	<ul style="list-style-type: none"> • Parler de la forme physique • Discuter de bonnes habitudes de la vie • Exprimer son état de la santé • Parler de l'environnement • Exprimer la nécessité et les sentiments 	<ul style="list-style-type: none"> • Les pronoms possessives • Le subjonctif 	<ul style="list-style-type: none"> • Invitez ton ami au club jouer un match de tennis. (Students to write a message to their friend, inviting him/her to the club for playing a tennis match.) • Préparez une affiche sur le recyclage. (Students to prepare a poster on recycling.) • Protéger de l'environnement (Students will suggest ways of protecting the environment with the help of drawing.) 	Les étudiants pourront discuter de bonnes habitudes de la vie, exprimer leur état de santé, parler de l'environnement, exprimer des sentiments
September	L - 9. Metro boulot dodo	<ul style="list-style-type: none"> • Parler de la vie urbaine • Parler des moyens de transport publics • Exprimer un désir/ un regret • Interdire 	<ul style="list-style-type: none"> • Ne...pas + infinitif du verbe 		Les étudiants pourront parler de la vie urbaine, parler des moyens de transport publics, exprimer un désir/ un regret
October	L - 10. Vive La république L - 11. C'est bon le progrès	<ul style="list-style-type: none"> • Discuter le système politique • Rapporter un discours • Parler de la technologie de l'information • Solliciter un service • Échanger des informations 	<ul style="list-style-type: none"> • Le discours rapport 	<ul style="list-style-type: none"> • La conversation téléphonique (Role play on phone) 	Les étudiants pourront discuter le système politique, rapporter un discours, parler de la technologie de l'information, échanger des informations
November	L - 12. Vers un monde interculturel	<ul style="list-style-type: none"> • Parler de la diversité culturelle • Découvrir des autres cultures 	<ul style="list-style-type: none"> • La récapitulation de la grammaire déjà faite 	<ul style="list-style-type: none"> • Comparer les cultures de plusieurs pays (exemple l'Inde et la France) (Comparing the cultures of the two countries through their music ; Students will sing French & Indian songs) 	Les étudiants pourront parler de la diversité culturelle découvrir des autres cultures
December onwards	Revision				

ART INTEGRATED ACTIVITY

Chapter	L'environnement
Subject Integrated	French, Science and Visual Art
Learning Objectives	Students will learn about protecting the environment.
Description	Students will make a poster in which they will show different ways of protecting the environment with the help of drawing and describing them in French language.

SPORTS INTEGRATED ACTIVITY

Chapter	En pleine forme
Subject Integrated	French and Sports
Learning Objectives	Students will develop their sports vocabulary.
Description	Students will write a letter to their friend (in French language), describing their favorite sports.

ART INTEGRATED PROJECT WORK UNDER EK BHARAT SHRESHTHA BHARAT PROGRAMME

State Paired With	Meghalaya / Arunachal Pradesh
Topic of the Project	Any Art form of the above mentioned states.
Subjects Integrated	French, Art and History
Learning Objectives	<ul style="list-style-type: none">• Students will learn about the diverse culture of our country.• They will learn different art forms.• They will be able to integrate French with different art forms.
Description	Students will have to select any one of the art forms of the above mentioned states. They will have to describe it in French language with the help of a PPT or a video.

SUBJECT: MATHEMATICS

MONTH	CHAPTER	SUB TOPICS	INNOVATIVE PEDAGOGIES	LEARNING OUTCOMES	MATHS LAB ACTIVITY
April	Polynomials	<ul style="list-style-type: none"> • Geometric representation of polynomials • Relation between zeroes and coefficients of a polynomial • Forming quadratic polynomial • Division Algorithm 	<p><u>Mind Mapping Activity:</u> Summarise the topic by Mind mapping which includes the General form of a Quadratic Polynomial, Zeroes and Relationship between zeroes and coefficients.</p>	<p>Students would be able to –</p> <ul style="list-style-type: none"> i) Recall the concept of polynomials . ii) Compare the relation between zeroes and coefficients of a polynomial iii) Comprehend the method to form a polynomial. 	To obtain the condition for consistency for the system of equation in two variables by graphical method.
	Pair of linear Equations in two Variables	<ul style="list-style-type: none"> • Solving a pair of linear equations algebraically • Solution by graphical method. • Word problems on linear equations • Conditions for consistency of a system of linear equations 	<p><u>Worksheets</u> to solve the pair of equations by Elimination method, substitution method and cross multiplication method.</p>	<p>Students would be able to –</p> <ul style="list-style-type: none"> i) Recall the concept Linear equation and its solution. ii) Compare the consistency for different equations. iii) To develop the skill of drawing graphs. 	To obtain the condition for consistency for the system of equation in two variables by graphical method.

	Real Numbers	<ul style="list-style-type: none"> • Euclid's Division Algorithm • Fundamental theorem of Arithmetic • Finding HCF and LCM by Euclid's Algorithm. 	Quiz on HCF and LCM of numbers.	Students would be able to Recall different number System and to apply HCF and LCM in different situations.	
May	Triangles	<ul style="list-style-type: none"> • Introduction of Concept of similar figures • Basic Proportionality theorem. • Criteria for similarity • Ratio of Areas of similar triangles • Pythagoras theorem & converse and its applications 	<ul style="list-style-type: none"> • Proving Pythagoras theorem by Inductive – deductive method. • Art Integrated activity – Making beautiful designs on Fractal Geometry 	Students would be able to i) Recall different types of triangle and their properties. ii) Explore different methods to prove the theorems. iii) To apply the concept in different situation. iv) To verify the concept by learning by doing.	To verify that ratio of areas of two similar triangles is equal to the ratio of the square of their corresponding sides by paper cutting activity.
	Introduction to Trigonometry	<ul style="list-style-type: none"> • Introduction to trigo - ratios • Trigonometric ratios of 0°, 30°, 45°, 60°, 90°. 	i) Solving Picture worksheets from smart class modules.	Students would be able to – i) Compare, explore and estimate trigonometric ratios & values of specific angles and for complementary angles.	

		<ul style="list-style-type: none"> • Trigonometric ratios of Complementary angles • Trigonometric identities 	ii) <u>Grid activity</u> Making different Grids and to write the values of trigonometric ratios of specific angles.	ii) To prove Trigonometric identities.	
July	Application of Trigonometry Statistics	<ul style="list-style-type: none"> • Heights and Distances • Angle of elevation & depression. • Word problems on Heights and Distances. • Mean, Median, Mode of grouped data. • Cumulative frequency curve / ogive • Finding median from ogive 	<u>Problem solving:</u> Solving daily life situation related problem using Trigonometric ratios. <u>Graph Activity</u> Constructing Less than Ogive and more than Ogive on Graph sheets and finding Median from it.	Students would be able to – i) Apply Trigonometric ratios in solving day to day life situation. ii) develop problem solving skills. Students would be able to – i) Recall the concept Mean, Mode and Median of raw data. ii) Explore different methods to find out Mean, Median and mode.	To verify Basic proportionality Theorem by paper cutting activity.
August	Quadratic equations	<ul style="list-style-type: none"> • Standard form of a Quadratic equation • Solution by Factorization method • Solution by quadratic formula • Nature of roots. • Word problems. 	<u>Problem solving</u> To convert day to day life situation to Quadratic equation and hence to find the solution.	Students would be able to - i) Recall the concept of Quadratic Polynomial and correlate with linear equation and Quadratic equation. ii) Explore different methods to solve Quadratic equation and apply it to solve questions from day to day life situation.	

	Arithmetic Progression	<ul style="list-style-type: none"> • Definition of A.P. • General term of an A.P. • Sum to n terms of A.P 	<p>Supplemental activities:</p> <ul style="list-style-type: none"> • Research on Geometrical Progression and to compare it with A.P. • Art Integrated activity : Identification of Fibonacci sequences in nature and picturisation of a few examples. <p>Geo Board activity:</p> <p>i) Verification of properties of circle using Geo board.</p>	<p>Students would be able to –</p> <p>i) Identify the series A.P and to select appropriate formula to find out a_n and S_n of the A.P.</p> <p>ii) To identify the formula to find out a_n and S_n of the A.P.</p> <p>Develop logical reasoning skill by proving theorem.</p>	<p>To verify that the given sequences are in A.P. or not by paper cutting and pasting method.</p> <p>To verify that the sum of first 'n' natural numbers is $\{ n(n+1) \} / 2$</p>
September	Circles (Continue....)	<ul style="list-style-type: none"> • Theorems on tangents to a Circle (Continue...) 	<p>ii) Learning by doing hands on activity</p>		<p>To verify that the tangents from an external point to a circle are equal by paper cutting method.</p>
	Areas related to circle.	<ul style="list-style-type: none"> • Circumference and area of a circle. • Length of an arc of a circle. • Area of sector and segment of a circle • Area of combination of Figures 	<ul style="list-style-type: none"> • Solving picture Work sheet to find out the area of shaded region of the given figure. • Creating figures on area of shaded region using Geogebra. • Sports integrated activity. Finding Perimeter and area of the given Athletic Track. 	<p>Students would be able to –</p> <p>i) Recall the concept circle and parts of the circle. To identify appropriate formula to find Length of an arc, area of sector and segment of a circle</p> <p>ii) To develop computational skill.</p>	

	Co – ordinate Geometry	<ul style="list-style-type: none"> Distance Formula Section Formula Area of a triangle when the coordinates of vertices are given. 	<p><u>Graph Activity:</u></p> <p>To find out the distance between any two points in Cartesian Plane on a graph paper and to find the area of a triangle formed by three points.</p>	<p>iii) To select appropriate formula to find out length of a line segment and area of a triangle.</p> <p>iv) To apply section formula in different situation.</p>	
October	Surface area and Volume.	<ul style="list-style-type: none"> Surface area and volume of cube, cuboid, cylinder, Cone, sphere hemisphere and Frustum of a cone. Volume and surface area of combination of figures. Conversion of a solid to another type. Surface area and volume of a frustum. 	<p><u>Problem solving by visualising the question:</u></p> <p>To find out surface area of combination of figures with the help of transparent solid models of cube, cylinder, cone etc.</p> <p>To create combination of solid figures using Geogebra.</p>	<p>Students would be able to –</p> <p>i) To recall different solid shapes and their properties.</p> <p>ii) To identify appropriate formula and to apply them to find out surface area and volume of combination of solids.</p> <p>iii) To develop computational skill.</p>	Verification of curved surface area of a cone.
	Probability	<ul style="list-style-type: none"> Probability –The Theoretical Approach. To find the probability of different events. 	<p><u>Learning by doing:</u></p> <p>Coin tossing activity (two/ three coins together)</p>	<p>Students would be able to –</p> <p>i) To recall the concept experimental probability and to correlate with theoretical probability.</p> <p>ii) To understand the concept by doing hands on activity</p>	To find out the Probability of different events in coin tossing

November	Geometrical Construction	<ul style="list-style-type: none"> • Division of line segment in a given ratio • Construction of similar triangles. • Construction of tangents to a given circle. 	Demonstration method using basic geometrical instruments.	Students would be able to – Develop the skill of drawing figures using geometrical instruments.	
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- Text Book-Mathematics- NCERT For Class X
- Reference books:
 - 1.Exemplar Maths for class X
 - 2.Mathematics for class X by R.D.Sharma & by R.S.Aggarwal
 - 3.Exam idea- Complete course

SUBJECT: PHYSICS

TEXT BOOK : Science and Technology (NCERT)

MONTHS	CHAPTER	SUB TOPICS	INNOVATIVE PEDAGOGY	LEARNING OUTCOME	PRACTICALS
March-April	1.Electricity	<p>*Electric charge, electric current, relationship between the potential difference and current through a conductor. Resistance and resistivity, resistance of a system of resistors.</p> <p>*Heating effect of electric current, power dissipation due to current, interrelation between P,V, I and R.</p>	<p>Activity: Wires of different lengths and thickness rolled out from 'atta' dough and LEDs are used to make circuits to check the factors that determine the resistance of a conductor.</p> <p>Project: Note the units of electricity used by your household during a month and calculate the electricity bill</p>	<p>Students will understand that resistivity is independent of the length and cross section of the conductor.</p> <p>Students will be able to apply the various relations between E,P,I,R and V to solve numerical problems.</p>	<p>* To prove Ohm's law.</p> <p>*To find equivalent resistance, when resistors are connected in series</p>
May	2.Magnetic effect of electric current	<p>*Magnetic field, field lines, field due to current carrying wire. Field due to current carrying coil and solenoid, electromagnet.</p> <p><u>CYCLE TEST - I</u></p>	<p>Discussion: Earth's magnetic field. Why does a freely suspended magnet always align itself in the N-S direction?</p>		<p>* To find equivalent resistance, when resistors are connected in parallel</p>
July	2. Magnetic effect of electric current	<p>Force on a current carrying conductor, Fleming's left hand rule. Electromagnetic Induction.</p>	<p>Interactive session: Conditions for electromagnetic induction; how can the magnitude of induced current be increased?</p>	<p>Students will learn that the force acting on a current carrying conductor placed in the magnetic field depends upon (i) length (ii) magnetic field (iii) current.</p>	

August	<p>2. Magnetic effect of electric current</p> <p>3.Sources of Energy</p>	<p>*Induced p.d., induced current, Fleming's Right hand rule, D.C, A.C, frequency of AC, advantage of AC over DC, Domestic electric circuits.</p> <p>Good fuel, conventional sources of energy, renewable and non - renewable sources, bio gas plant, production of electricity fro various sources of energy, nuclear energy.</p> <p>*Source of light. Dual nature of light, convergence and divergence of light, spherical mirrors, definition of terms related with spherical mirrors.</p> <p>CYCLE TEST- II</p>	<p>Activity to demonstrate the phenomenon of electromagnetic induction.</p> <p>Discussion: Latest alternative fuels developed for vehicles</p>	<p>Students will be able to understand the commonly used terms- short circuit & overloading</p> <p>Students will understand the importance of conservation of non-renewable sources of energy like coal and petroleum as well as the need to look for alternative sources.</p>	
September	<p>4.Light- Reflection and Refraction</p>	<p>Rules to draw ray diagrams. Image formed by concave mirror and convex mirror, mirror formula, linear magnification in the case of mirrors. Refraction, laws of refraction, Refraction through glass slab. Refractive index, image formed by convex lens and concave lens.</p>	<p>Activity: Dispersion of light is observed through a glass prism and related questions are asked. An interactive session follows which helps to answer these questions and bring clarity to the phenomenon being studied.</p>	<p>Students will be able to trace ray diagrams to locate the image of an object placed in front of spherical mirrors and lenses.</p>	<p>* To determine the focal length of</p> <p>i) concave mirror</p> <p>ii) convex lens by obtaining the image of a distant object.</p> <p>*To trace 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.</p>

October	<p>4. Light Reflection and Refraction</p> <p>5. The human eye and the colorful world</p>	<p>Lens formula and magnification, power of a lens.</p> <p>The human eye, defects of vision, refraction through the glass prism, dispersion, atmospheric refraction, Rainbow. Scattering of light, blue color of sky, Tyndall effect.</p> <p><u>CYCLE TEST - III</u></p>	<p>Activity: Which kind of corrective lens do you have in your spectacles? What is its Power and its corresponding focal length?</p>	<p>Students will be able to differentiate between the eye defects- Myopia and Hypermetropia</p>	<p>*To draw the images of an object formed by a convex lens when placed at various positions</p> <p>*To trace the path of the rays of light through a glass prism.</p>
November		PRE- BOARD EXAM-I		.	*
December		PRE- BOARD EXAM-II			
January		REVISION			
February		REVISION			
March		BOARD EXAM			

SUBJECT: CHEMISTRY

TEXTBOOK: Science and Technology (NCERT)

MONTH	UNIT/TOPIC	LEARNING OBJECTIVES	PRACTICAL/ACTIVITY/PEDAGOGY	LEARNING OUTCOMES
April	Chemical Reactions	<p>To identify the characteristics of chemical reactions.</p> <p>To interpret changes into chemical reactions based on certain observations.</p> <p>To classify the chemical reactions into combination , decomposition , displacement , precipitation , neutralization .</p>	<p>Types of Reactions</p> <ol style="list-style-type: none"> 1. Action of water on quick lime 2. Effect of heat on ferrous sulphate crystals 	<p>Students acquire the basic understanding of- Identification of chemical reactions on the basis of their characteristics.</p> <p>They get the skill and knowledge to classify the chemical reactions into : combination , decomposition , displacement , precipitation , neutralization .</p>
May	Chemical Reactions Acids , Bases & Salts	<p>To understand the phenomena of oxidation & reduction in terms of gain & loss of oxygen & Hydrogen</p> <p>To introduce general properties of acids & bases and characteristics of acids & bases.</p> <p>To enable them to write chemical reactions of acids & bases , examples & uses .</p>	<ul style="list-style-type: none"> ❖ Types of Reactions ❖ Behavior of an iron nail kept in copper sulphate solution ❖ Reaction between sodium sulphate & barium chloride 	<p>They will be able to interpret and classify chemical changes into appropriate categories.</p> <p>They will be able to distinguish between oxidation and reduction.</p> <p>They will understand the concept of acids ,bases and salts.</p> <p>Enabling students to interpret the properties of acids and bases into relevant chemical equations.</p>
July	Acids , Bases & Salts Metals & Non-Metals	<p>To introduce the concept of pH scale , pH in everyday life , salts , categories of salts . Important chemical compounds .</p> <p>To give them the knowledge of physical & chemical properties of metals & non-metals , reactivity series ,</p>	<ul style="list-style-type: none"> ❖ To study the properties of acids & bases taking examples of dil HCl & dil NaOH <p>ART INTEGRATION: Enquiry Based Scientific Investigation and Recording the same in an artistic manner in form of a picture collage, Slide presentation or video.</p>	<p>They will acquire the knowledge of pH and it's every day use and significance.</p> <p>They will understand the importance of various industrial processes which lead to formation of some very important chemical compounds.</p> <p>An elementary idea and introduction to metals and non-metals will be gained by them.</p>

			<p>They will identify natural substances that can be used as Acid-Base Indicators and find out the colour or odour changes of those indicators in different mediums and present the same in an artistic form.</p> <p>They will also research and investigate the approximate pH of soil found in Arunachal Pradesh and record their findings.</p>	
August	Metals & Non-Metals	To introduce the concept of electrovalent bond, metallurgy, isolation and refining of metals, corrosion.	<ul style="list-style-type: none"> ❖ To observe the action of Zn, Fe, Cu, & Al metals on the following salt solutions. ❖ $ZnSO_4$ (aq) ❖ $FeSO_4$ (aq) ❖ $CuSO_4$ (aq) ❖ $Al_2(SO_4)_3$ (aq) 	<p>Students acquire the knowledge of Bond formation.</p> <p>They are enabled to depict the Lewis dot structures of formation of electrovalent compounds.</p> <p>A significant understanding of Metallurgical processes is gained by the students.</p> <p>They are able to give a brief sketch of metallurgical methods which should be employed to isolate a metal from its ore based on the position of a metal in the reactivity series.</p>
September	Carbon Compounds	To impress upon them the unique nature of carbon, elementary idea of covalent bonding. To give them the knowledge of types of organic compounds, functional groups, Nomenclature of organic compounds.	<p>SUBJECT ENRICHMENT ACTIVITY: Preparation of three dimensional models of methane, ethane, graphite, buckminsterfullerene using eco friendly materials depicting the correct orientation of bonds and bond angles.</p>	<p>Students get the understanding of basics of Organic chemistry.</p> <p>They understand the unique nature of carbon, the reasons which impart it such great significance in the living world.</p> <p>They are also enabled to draw and represent the Lewis dot structures of covalent compounds.</p> <p>Students get a glimpse of IUPAC nomenclature.</p>
October	Carbon Compounds	To introduce the nomenclature and properties of Alcohols and carboxylic acids.	To study the properties of ethanoic acid.	They are enabled to write IUPAC names of simple organic compounds containing different functional groups.

		To give them basic understanding of soaps & detergents and their cleansing actions.	<ul style="list-style-type: none"> ❖ To test the foaming capacity of soap in hard and soft water ❖ To study preparation of soap. . 	They are able to differentiate between soaps and detergents on the basis of their structure , cleansing action and environmental impact.
November	Periodic Classification of Elements	<p>To familiarize them with the early attempts at classification ,</p> <p>To give them understanding of Mendeleev,s periodic table , features as well as drawbacks of his table . To introduce the Modern periodic Law , modern periodic table. Gradation in properties along the group, across the period.</p> <p>To enable them to Predict of properties of elements on the basis of their position in the periodic table</p>	<p>Construction of Mendeleev’s periodic table .</p> <p>Solving puzzles based on correlation of an element to its properties with its position in the periodic table.</p>	<p>They get the understanding that how atomic mass and then later atomic numbers played a role in classification of elements.</p> <p>They acquire the concept and understand the significance of classification done by Mendeleev.</p> <p>They get the knowledge of basic lay out of Modern periodic table which is made by Neils Bohr.</p> <p>They are enabled to correlate properties of elements with its position in the periodic table.</p>

SUBJECT: BIOLOGY

Text Book : Science and Technology (NCERT)

MARKING SCHEME : I. World Of Living: 23 Marks II. Natural Resources: 05 Marks

MONTH	CHAPTER	SUB TOPICS	INNOVATIVE PEDAGOGY	LEARNING OUTCOMES	PRACTICALS
April	Our Environment Management of Natural resources	Ecosystem , its components, food chains and food webs, ecological pyramids, 10% law Environmental Problems, Ozone Depletion, Waste Production & their solutions, Biodegradable and Non-Biodegradable substances Forests and Wild life, Conservation, Stake holders, Water harvesting, Coal and Petroleum, Chipko movement.	Interactive discussion on Components of Ecosystem (Food chains and food webs of Grass land, desert, Pond Ecosystem) "Jal Hai Toh Kal Hai!" Classroom Discussion	<p>Students will be able to</p> <ul style="list-style-type: none"> • Be aware of Biotic and Abiotic components of Ecosystem. • Know about the benefits of decomposers. • Have critical thinking to understand 10% law <p>Students will be able to -</p> <ul style="list-style-type: none"> • Analyze the role of forests, wildlife and water. • Reduction in over use of resources. • Implementing 5Rs of Environment for sustainable development. 	<p>To Prepare a temporary stained mount of leaf Peel to study Stomata.</p> <p>INTERNAL ASSESSMENT PERIODIC ASSESSMENT & PORTFOLIO M.M: 05</p>

May & June	Life Processes	Living Beings, Nutrition in plants, Nutrition in animals, Respiration in plants & animals, Transportation, Blood, Heart Double circulation, Excretion – in plants and animals, Human excretory system, Dialysis.	<ul style="list-style-type: none"> • Making Labelled diagrams • Lecture cum demonstration of • Models and Charts • Case studies of Common disorders. 	Students will be able to <ul style="list-style-type: none"> • Estimate and perceive the mechanism of Photosynthesis • Find out the role of different enzymes and Organ systems in functioning of the body. 	<p>To demonstrate that CO₂ is given out during respiration</p> <p>To Study Structure of a Dicot Seed: Identification of the different parts of an embryo of a Dicot Seed.</p>
July & August	How do organisms Reproduce	Asexual and Sexual Reproduction, Vegetative propagation, Advantages & disadvantages	Hands on activities of vegetative propagation	Students will be able to <ul style="list-style-type: none"> • Understand the need of reproduction for continuity of life on the Planet. 	<p>To study Binary fission and Budding in amoeba and Hydra.</p> <p>Art Integrated Activity - "Keep soil alive, Protect soil biodiversity" Poster Making</p> <p>Details Attached.</p>
September & October	Heredity and Evolution	Heredity, Mendel's contribution, Laws for Inheritance of traits, Sex Determination.	Brain Storming session Examples of Speciation and Variations from daily life	Students will be able to <ul style="list-style-type: none"> • Comprehend the new terms pertaining to Genetics. • To analyse the problems based on laws of Inheritance 	To Study Homologous, Analogous and Vestigial Organs
November & December	Annual Examination	Revision and Sample Papers			
January	Pre Board Examination				

ART INTEGRATED ACTIVITY

Soil-Ology - Keep Soil Alive!

"The soil is the great connector of lives, the source and destination of all." – Wendell

Did you know that one tablespoon of a healthy soil has more organisms in it than there are people on Earth?!

Yes, soil is the most diverse ecosystem on this planet. Interesting, right?!

Soil is a natural body made up of mineral, air, water, organic matter and lots of living organisms. It's hard to believe but without soil, the Earth's land would be a lifeless slab of rock!

Millions and millions of microorganisms present in the soil interact with plants in fascinating ways. Communities of trees are interconnected by an underground network of Mycorrhizae (fungi that live symbiotically between and within plant roots).

This network not only transfers water and minerals to other plants, but also chemicals that help plants to communicate with one another! Just like humans communicate with one another through the network of "internet".

1. Language - Create a Word Bank of all the words related to soil. Categorize them into various Parts of Speech and Figures of Speech. For example- The soil is fertile soil for a couch potato. Display these in the classroom.
2. Social Studies -Refer to the Soil Map of India and find out the crops that grow in the region. Prepare a list of crops that a particular kind of soil supports.
3. Science - Observe the soil and biodiversity around your home carefully and design a Poster to show Soil is No Dirt. **"Keep soil alive, Protect soil biodiversity"**

SUBJECT: HISTORY

MONTHS	CHAPTER	SUB TOPICS	LEARNING OUTCOMES	INNOVATIVE PEDAGOGY/ART INTEGRATION/INTER DISCIPLINARY APPROACH	ACTIVITY/PRACTICAL PROJECT
April	The Rise of Nationalism in Europe	<ul style="list-style-type: none"> ● The French Revolution and the Idea of the Nation ● The Making of Nationalism in Europe ● The Age of Revolutions: 1830-1848 ● The Making of Germany and Italy ● Visualizing the Nation ● Nationalism and Imperialism 	<ul style="list-style-type: none"> ● Familiarize the students with the Spring of Nations in 1848. ● It will help students how Nationalism was the ideological impetus that, in a few decades, transformed Europe. 	Welcome New Ideas through debate and discussion.	<ul style="list-style-type: none"> ● Briefly describe the process of Unification of Germany and Unification of Italy. A worksheet to be submitted on the above. ● “The First clear expression of nationalism came with the ‘French Revolution’ in 1789. Write an article on the above in 100-150 words.
July	Nationalism in India	<ul style="list-style-type: none"> ● The First World War, Khilafat and Non - Cooperation ● Differing Strands within the Movement ● Towards Civil Disobedience ● The Sense of Collective Belonging 	<ul style="list-style-type: none"> ● Enlighten the students that how Indian nationalism developed as a concept against the colonial British Raj. ● To learn about Indian nationalism as an instance of territorial nationalism, inclusive of all its people, despite their diverse ethnic, linguistic and religious backgrounds. 	Storyboarding for memorization	<ul style="list-style-type: none"> ● Recognize the role of Gandhi in India’s struggle for independence. ● Analyse the nature of the several peasant movements led against the British Raj.

August	The Age of Industrialization	<ul style="list-style-type: none"> ● Before the Industrial Revolution ● Hand Labour and Steam Power ● Industrialization in the colonies ● Factories Come Up ● The Peculiarities of Industrial Growth ● Market for Goods ● The Inter War Economy (Great Depression) 	<ul style="list-style-type: none"> ● Familiarize with the Pro- to Industrial phase and Early – factory system. ● Familiarize with the process of industrialization and its impact on labour class. ● Enable them to understand industrialization in the colonies with reference to Textile industries. 	Group discussion to share views and learn from others.	<ul style="list-style-type: none"> ● Make an assignment on the role of industrialization and the development which brought a change in several countries. ● Worksheet on the role/importance of markets for industrial growth,
September	Print Culture and the Modern World	<ul style="list-style-type: none"> ● The First Printed Books ● Print Comes to Europe ● The Print Revolution and its Impact ● The Reading Mania ● The Nineteenth Century ● India and the World of Print ● Religious Reform and Public Debates ● New Forms of Publication ● Print and Censorship 	<ul style="list-style-type: none"> ● Emphasize on Print revolution and the formation of print culture. ● Focuses on reading and printing presses. ● Enable them to understand the Religious reforms and public debates. ● To learn on the idea of revolution brought by print culture on the society. ● It will help the students to know about censorship led by the imperialistic regimes. 	Group discussion /sharing views on the chapter.	<ul style="list-style-type: none"> ● Identify the role of print culture and the circulation of western ideas brought by European society. ● Familiarize with pictures, cartoons, extracts from propaganda literature and newspaper debates on important events and issues in the past.
OCTOBER	REVISION				
		Annual Examination			

SUBJECT: DEMOCRATIC POLITICS

MONTH	CHAPTER	SUB TOPICS	LEARNING OUTCOMES	INNOVATIVE PEDAGOGY/ART INTEGRATION/INTER DISCIPLINARY APPROACH	ACTIVITIES
April	Power Sharing	<ul style="list-style-type: none"> ● Case Studies of Belgium and Sri Lanka ● Why power sharing is desirable? ● Forms of Power Sharing 	<ul style="list-style-type: none"> ● Familiarize with the centrality of power sharing in a democracy. ● Understand the working of spatial and social power sharing mechanisms. 	<ul style="list-style-type: none"> ● Story boarding for memorization. 	<ul style="list-style-type: none"> ● Comparative case studies of Belgium and Srilanka
May	Federalism	<ul style="list-style-type: none"> ● What is Federalism? ● What make India a Federal country? ● How is federalism practised? ● Decentralization in India 	<ul style="list-style-type: none"> ● Analyse the federal provisions and institutions ● Explain decentralization in rural and urban areas. 	<ul style="list-style-type: none"> ● Welcome new ideas and thoughts through debate and discussion. 	<ul style="list-style-type: none"> ● Prepare a flow chart on Decentralisation in India and Legislative powers.
	Democracy and Diversity (To be assessed in Periodic Test only)	<ul style="list-style-type: none"> ● Case study of Mexico ● Differences, similarities and divisions. ● Politics of social divisions 	<ul style="list-style-type: none"> ● Develop the functioning of democracy and its salient features. ● Helps to understand the diversity in India. 	<ul style="list-style-type: none"> ● Developing critical thinking. ● Collaborative thoughts 	
June	Gender, Religion and Caste	<ul style="list-style-type: none"> ● Gender and Politics ● Religion, communalism and politics ● Caste and politics 	<ul style="list-style-type: none"> ● Identify and analyse the challenges posed by communalism to Indian Democracy. ● Develop a gender perspective on politics. 	<ul style="list-style-type: none"> ● Discussion method 	<ul style="list-style-type: none"> ● Students to submit worksheet on Communalism in India, status of Women in Indian society.

	Popular Struggle and Movements (To be assessed in periodic test only)	<ul style="list-style-type: none"> ● Popular Struggles in Nepal and Bolivia ● Mobilization and Organization ● Pressure group and movements 	<ul style="list-style-type: none"> ● Understand the vital role of people's struggle in the expansion of Democracy. 	<ul style="list-style-type: none"> ● Critical thinking 	
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ART INEGRATED ACTIVITY

July	Political Parties	<ul style="list-style-type: none"> ● Why do we need Political Parties? ● How many Parties should we have? ● National Political Parties ● State Parties ● Challenges to Political Parties ● How can Parties be reformed? 	<ul style="list-style-type: none"> ● Analyse party systems in democracies. ● Introduction to major political parties, challenges faced by them and reforms in the country. 	<ul style="list-style-type: none"> ● Reflective learning through activity and discussion 	<p>ART INEGRATED ACTIVITY Students to form/ create their own Political Party. To make posters and banners of the parties created. Manifesto to be attached in the same file along with party symbols and slogans. (Activity to be integrated with Art, English, Hindi and Geography)</p>
August	Outcomes of Democracy	<ul style="list-style-type: none"> ● How do we assess democracy's outcomes? ● Accountable, responsive and legitimate government ● Economic growth and development ● Reduction of inequality and poverty ● Accommodation of social diversity ● Dignity and freedom of the citizens 	<ul style="list-style-type: none"> ● Evaluate the functioning of democracies in comparison to alternative forms of governments. ● Understand the causes for continuation of democracy in India. ● Distinguish between sources of strengths and weaknesses of Indian democracy. 	<ul style="list-style-type: none"> ● Blended learning through collaboration. 	<ul style="list-style-type: none"> ● Flowchart ● Given tables to be discussed ● Picture interpretation

September	Challenges to Democracy (To be assessed in periodic test only)	<ul style="list-style-type: none"> ● Thinking about challenges ● Thinking about Political Reforms ● Redefining democracy 	<ul style="list-style-type: none"> ● Reflect on the different kinds of measures possible to deepen democracy. ● Promote an active and participatory citizenship 	<ul style="list-style-type: none"> ● Understanding the concept through analysing and discussion. 	
October	REVISION				
	ANNUAL EXAMINATION				

SUBJECT: GEOGRAPHY

MONTH/DAYS	CHAPTER	SUB TOPICS	LEARNING OUTCOMES	INNOVATIVE PEDAGOGY/ART INTEGRATION/INTER DISCIPLINARY APPROACH	MAP WORK/ENRICHMENT ACTIVITY
April	Resources and Development	<ul style="list-style-type: none"> • Classification of resources • Development of resources • Resource planning in India • Conservation of resources • Land use pattern in India • Land degradation and conservation • Soil and its classification • Soil erosion and conservation 	Understand the value of resources and the need for their judicious utilization and conservation.	Role play on resources	Map work as per the NCERT list.
May	Forest and Wildlife Resources	<ul style="list-style-type: none"> • Flora and fauna in India • Conservation of forest and Wildlife in India • Types and distribution of forest and wildlife resources • Community and conservation 	Understand the importance of forests and wild life in one environment as well as develop concept towards depletion of resources.	Poster making on useful plants and animals as home remedy for diseases by traditional village communities.	Map work as per the NCERT list.
May	Water Resources	<ul style="list-style-type: none"> • Water scarcity and need for conservation and management • Multi purpose river valley projects and integrated water resource management 	Comprehend the importance of water as a resource as well as develop awareness towards its judicious use and conservation.	Map,data,statistical diagrams	Map work as per the NCERT list.
July	Agriculture	<ul style="list-style-type: none"> • Types of farming • Cropping pattern • Major crops : rice,wheat,millet,maize, • Pulses 	Explain the importance of agriculture in national economy. Identify various types of farming and discuss the	Audio –visual aid	Map work as per the NCERT list. Activity based questions from the text.

		<ul style="list-style-type: none"> • Food crops other than grains- sugarcane,oilseeds,tea,coffee,horticulture • Crops • Non food crops • Technological and institutional reforms • Contribution of agriculture to the national economy. 	<p>various farming methods; describe the spatial distribution of major crops as well as understand the relationship between rainfall regimes and cropping pattern.</p> <p>Explain various government policies for institutional as well as technological reforms since independence.</p>		<p>ART INEGRATED ACTIVITY Students to form/ create their own Political Party. To make posters and banners of the parties created. Manifesto to be attached in the same file along with party symbols and slogans. Also include the geographies of political party. (Activity to be integrated with Art, English, Hindi and Geography)</p>
August	Mineral and Energy Resources	<ul style="list-style-type: none"> • What are minerals • Mode of occurrence of minerals • Ferrous and non- ferrous minerals • Non- metallic minerals • Rock minerals • Conserving minerals • Conventional and non- conventional sources of energy • Conservation of energy resources 	<p>Identify different types of minerals and energy resources and places of their availability</p> <p>Feel the need for their judicious utilization.</p>	slideshows and presentations	Map work as per the NCERT list.
Sept	Manufacturing Industries	<ul style="list-style-type: none"> • Importance of manufacturing • Contribution to national economy • Classification of industries • Industrial Location-Agro and mineral based industries • Industrial pollution and environmental degradation 	<p>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.</p> <p>Discuss the need for a planned industrial development and debate over the role of government towards sustainable development.</p>		Map work as per the NCERT list.

Oct	Lifelines of national economy	<ul style="list-style-type: none"> • Means of transport :Roadways, railways, pipeline, waterways and airways • Communication : personal and private communications • International Trade • Tourism as trade • HOLIDAY H.W. FOR WINTER BREAKS • EACH STUDENT HAS TO PREPARE A • PROJECT FILE FROM THE LIST OF SUGGESTED TOPICS GIVEN BY THE CBSE 	<p>Explain the importance of transport and communication in the ever-shrinking world. Understand the role of trade and tourism in the economic development of a country.</p>	Map,data,statistical diagrams	Map work as per the NCERT list.
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TEXTBOOK:(CONTEMPORARY INDIA(NCERT –TEXTBOOK IN GEOGRAPHY FOR CLASS X)

SUBJECT: ECONOMICS

**BOOK: UNDERSTANDING ECONOMIC DEVELOPMENT
SOCIAL SCIENCE TEXTBOOK FOR CLASS X (NCERT)**

MONTH	CHAPTER	SUB-TOPIC	INNOVATIVE PEDAGOGY	INTEGRATION WITH FINE ARTS	LEARNING OUTCOMES
April	Chapter: DEVELOPMENT	<ul style="list-style-type: none"> • What Development Promises-Different People, Different Goals • Income and Other Goals • National Development • How to Compare Different Countries or States? • Income and Other Criteria • Public Facilities • Sustainability of Development 	<ul style="list-style-type: none"> • Bhopal Gas Tragedy Interactive discussion in the class on conflicting goals and goals of development. Students to find out the reason of this industrial disaster in India in 1984. 	-	<p>Students will be able to</p> <ul style="list-style-type: none"> • Understand - all goals of development cannot be development for everyone – goal of development of one may be destruction for another. • Know that, for a balanced development in the economy, there has to be mix of goals. • Have awareness on conservation of resources and efficient utilization of existing resources.

May	Chapter-2 SECTORS OF THE INDIAN ECONOMY	<ul style="list-style-type: none"> • Sectors of Economic Activities • Comparing the Sectors • Historical Change in Sectors • Rising Importance of The Tertiary Sector in Production • Where Are Most of The People Employed? • How to Create More Employment? • How to Protect Workers in The Organized Sector? • Sectors in Terms of Ownership; Public and Private sectors 	<ul style="list-style-type: none"> • Poster making on Basic Services in India An urban lifestyle today is supported by services like banking, police, hospital, telephone, etc. 	<p style="text-align: center;">—</p>	<p>Students will be able to</p> <ul style="list-style-type: none"> • Identify various basic services around them for carrying on with their daily routine. • Understand the significance of the support system or infrastructure in the economy. • Have critical thinking on differentiation of primary, secondary and tertiary sectors with examples.
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June/July	PRE-TERM				
July	Chapter-3	<ul style="list-style-type: none"> • Money as A 	<ul style="list-style-type: none"> • Collection of cancelled cheque and expired debit or credit card 	—	<p>Students will be able to</p> <p>Be familiar with the language used to write a cheque – modern form of money.</p> <p>Be aware of various service providers in the economy.</p> <p>Know about the characteristic features of currency.</p>
	MONEY AND CREDIT	<p>Medium of Exchange</p> <ul style="list-style-type: none"> • Modern Forms of Money 			
July/ August	Chapter-5 CONSUMER RIGHTS	<ul style="list-style-type: none"> • The Consumer in The Market Place • Consumer Rights • Learning to Become Well-Informed Consumers 	—	<p>Presenting a 2 min talk on a case study/story board on organic products Vs conventional products in the market.</p> <p>The presentation has to be supported with any one of the following: sketches /drawings/ comic strip/flowchart (drawn on A4 sheets or half of chart paper)</p> <p>Uploading of the same on the pad let link provided.</p>	<p>Students will</p> <ul style="list-style-type: none"> • Become aware of Consumer Movement in India and be proactive consumers. • Understand the significance of COPRA in the economy. • Know how to seek redressal in the consumer court if needed. • The standardization of products in the market by the government. • Realize the power of a consumer in the market. • Develop language and communication skills along with fine arts. <p>(This activity has been integrated with Fine Arts, Hindi and Biology.)</p>
September	Chapter-3 MONEY AND CREDIT (cont.)	<ul style="list-style-type: none"> • Loan Activities of Banks • Two Different Credit Situations • Formal Sector Credit in India 	—	—	—

		<ul style="list-style-type: none"> • Self – Help Groups for The Poor 			
October	MID TERM				
November	Chapter-4 GLOBALIZATION AND THE INDIAN ECONOMY	<ul style="list-style-type: none"> • Production Across Countries • Interlinking Production Across Countries • Foreign Trade and Integration of Markets • What Is Globalization? • Factors That Have Enabled Globalization • World trade Organization • Impact of Globalization in India • The Struggle for A fair Globalization • REVISION 	<ul style="list-style-type: none"> • Interactive discussion on Brands and MNCs operating in India. (Advantages and disadvantages) 	—	<p>Students will be able to</p> <ul style="list-style-type: none"> • Be aware of various brand logos on various products- quality assurance given to consumers. • Understand the condition of small manufacturers in India,
December		<ul style="list-style-type: none"> • PRE-BOARD EXAMINATION 			

SUBJECT: ARTIFICIAL INTELLIGENCE

MONTH	CHAPTER	SUB TOPICS	INNOVATIVE PEDAGOGIES	LEARNING OUTCOMES	AI LAB ACTIVITY
March/ April	INTRODUCTION TO AI	Let's Get Started <ul style="list-style-type: none"> • Session: Introduction to AI and related terminologies. • Introducing AI, ML & DL. • Introduction to AI Domains (Data, CV & NLP) • AI Ethics 	Group Discussion	To let the students analyse the advantages and disadvantages of Artificial Intelligence	Teachable Machine
May	AI Project Cycle	Problem Scoping Data Acquisition Data Exploration Modelling Evaluation	Case Study- Kimchi Rising Prices- Art Integrated Activity	Identify the AI Project Cycle framework.	AI for Oceans
July	ADVANCE PYTHON*	Recap NUMPY PANDAS MATPLOTLIB	Programming with Python Art Integrated- Data Visualization	Learn basic programming skills through gamified platforms.	Python Programming
August	Data Science	Applications of Data Science KNN algorithm	AI Project Cycle on Food Wastage	Learn how data is important in AI systems.	SystemMaps

September	Computer Vision	Applications of Computer Vision, CNN	Advance python programming using opencv Art Integrated- Pixel Activity	Understand and appreciate the concept of Neural Network through gamification.	Using opencv
October	Natural Language Processing	Applications, Process, algorithms	Edge Detection Activity	Understand , decipher and read the natural language.	LUIS
November	Evaluation	Confusion Matrix	Prediction calculation	Evaluation of algorithms	Semantris

CHAPTER TOPIC	AI PROJECT CYCLE
Subject integrated	Maths and Visual art, Science
Art form integrated	Sketching on graphs
Learning objectives	<ul style="list-style-type: none"> Analyzing the data Understanding of dataset Visualization of Data
Procedure	<ol style="list-style-type: none"> Applying AI Project Cycle System Maps

***Art Integrated Activities**

1.Topic: AI Project Cycle- Food Wastage

SUBJECT : FMM

Text Book : FINANCIAL MARKETS: A BEGINNERS' MODULE (Class X)

Study Material: CBSE Study Material for Students (Employability-Class X)

MONTH	TOPIC	SUBTOPIC	LEARNING OUTCOMES	PEDAGOGIES	ACTIVITY/ PRACTICALS/ PROJECT	
APRIL		<u>INVESTMENT BASICS</u>	<ul style="list-style-type: none"> • What is Investment? • When and How to Invest • Various options of Investment • Important terms related to Investment 	Students gain knowledge of financial skills and investments	Discussion on the investment to be done and students list the important terms related to it.	<ul style="list-style-type: none"> ➤ NSE NSMART software (NSE Learn to trade) Introduction -Trading Skill Accelerator - Arithmetic Skill Accelerator
		<u>SECURITIES</u>	<ul style="list-style-type: none"> • What is meant by Securities • Regulator in the Securities Market • Participants in the Securities Market 	Students build foundation for money management and equity market	Explanation of securities, different types of securities and the participants related to it	
		<u>TYPES OF COMMUNICATION</u>	<ul style="list-style-type: none"> • Based on Communication channels • Based on Style and Purpose 	Learners are able to develop Interpersonal skills and also learn to express effectively and with maximum efficiency	Explanation of Verbal, Non Verbal, Oral and Written communication channels. Formal and Informal Style and Purpose.	
MAY		<u>PRIMARY MARKET</u>	<ul style="list-style-type: none"> • Role of Primary Market • Face value of Shares /Debentures • Issue of Shares • Price of an Issue of Shares 	Students develop basic understanding of mutual funds, capital and derivative market	Group discussion on Primary market as per the previous knowledge.	<ul style="list-style-type: none"> ➤ Trading Skill Accelerator Modules 1 to 25 Level 1

		<ul style="list-style-type: none"> • Cut-Off Price • Price Band 			
	<u>BARRIERS TO EFFECTIVE COMMUNICATION</u>	<ul style="list-style-type: none"> • Types of various barriers to effective communication • Handling barriers to Communication 	Students are able to practice ways to overcome barriers in communication at social and at workplace.	Gaining practical experience of Role playing barriers to effective communication and identifying them	
JULY	<u>PRIMARY MARKET</u>	<ul style="list-style-type: none"> • Important terms related to Shares • Prospectus, Lock-In, Listing of Securities • SEBI's role in an Issue • Foreign Capital Issuance • American Depository Receipt • Global Depository Receipts 	Learners learn about the speed and accuracy for financial market operations while working on NLT software	Preparing a project on Products in Secondary Market	➤ Trading Skill Accelerator Modules 1 to 25 Level 2
	<u>BASIC COMPUTER OPERATIONS</u>	<ul style="list-style-type: none"> • Operating System • Windows Desktop • File System • Importance and need of care and maintenance of computer 	Students are able to understand different operating system	Comparison of different operating systems	
AUGUST	<u>SECONDARY MARKET</u>	<ul style="list-style-type: none"> • Introduction • Stock Exchange • Stock Trading • Products in Secondary Market • Equity Investment • Debt Investment 	Students develop business acumen and entrepreneurial skills for financial markets	Comparative analysis of different types of derivatives and their importance	➤ Trading Skill Accelerator Modules 1 to 25 Level 3

SEPTEMBER	<u>DERIVATIVES</u>	<ul style="list-style-type: none"> • Types of Derivatives • Option Premium • Commodity Exchange • Commodity • Difference between Commodity and Financial Derivatives 	Students can develop a flair for financial market and its working by understanding the derivative instruments in detail	Discussion on relevance and importance of depository in Financial Market	
	<u>BASIC COMPUTER OPERATIONS</u>	<ul style="list-style-type: none"> • Introduction to Word Processor • Apache Open Office Writer • Working in Document • Formatting a Document 	Learners learn about using of word processor and its implications	Practical usage of Word Process and Open Office	
	<u>DEPOSITORY</u>	<ul style="list-style-type: none"> • How is a depository similar to a bank • Depositories in India • Who is a Depository Participant • What is an ISIN • What is a Custodian? • How can one dematerialize Securities? 	Students learn about various depositories, their ownership and dematerialization	Discuss benefits of Holding Electronic shares and also steps of Demat	* Project on Products in Secondary Market
OCTOBER	<u>MUTUAL FUNDS</u>	<ul style="list-style-type: none"> • What is the Regulatory Body for Mutual Funds? • Benefits in investing • Different types of Mutual Fund • Fund Offer • Active and Passive Fund 	Students are able to improve their skills required for financial market	Explanation of various types of mutual funds and their analysis considering their risks and returns	➤ Trading Skill Accelerator Modules 1 to 25 Level 4

	<u>MISCELLANEOUS</u>	<ul style="list-style-type: none"> • Corporate Actions • Nifty Index • Clearing and Settlement and Redressal 	Students are able to understand regulatory requirements while working in financial markets	Discussion on various corporate actions taken and their importance	
	<u>SELF MANAGEMENT SKILLS</u>	<ul style="list-style-type: none"> • Importance of Stress Management • Stress Management Techniques • Ability to Work Independently 	Students are able to understand stress and also learn skills of stress managements	Worksheets and examples of stress Management	
NOVEMBER	<u>CONCEPTS AND MODES OF ANALYSIS</u>	<ul style="list-style-type: none"> • Simple and Compound Interest • Time value of Money • Annual Return • Annual Report, Balance Sheet, Profit and Loss Account • Sources of Funds 	Students are able to improve their calculation skills for money calculations	Exercises based on Time value of money and their derivation	➤ Arithmetic Skill Accelerator Modules 1 to 25 Level 1
	<u>ENTREPRENEURIAL SKILLS</u>	<ul style="list-style-type: none"> • Entrepreneurship Development • Entrepreneurship and Society • Types of Entrepreneurship • Functions of an Entrepreneur • Importance of Entrepreneur • Myths of Entrepreneur 	Students learn how to develop their and practice entrepreneurship and how it is beneficial	Discussion of Entrepreneurship and the pros and cons of entrepreneurship path.	➤ Arithmetic Skill Accelerator Modules 1 to 25 Level 2

		<ul style="list-style-type: none"> • Advantages and Disadvantages of Entrepreneur • Importance of Entrepreneur • Role of entrepreneur in Society • Entrepreneurship as a Career 			
DECEMBER	<u>RATIO ANALYSIS</u>	<ul style="list-style-type: none"> • Liquidity Ratio • Leverage/Capital Structure Ratio • Turnover Ratio 	Learners become technically and financially aware of the BFSI sector	Demonstration of calculation of different types of turnover ratios	➤ Arithmetic Skill Accelerator Modules 1 to 25 Level 3
	<u>GREEN SKILL</u>	<ul style="list-style-type: none"> • Main Sectors of the Green Economy • Stakeholders of Green Economy • Role of Government in Green Economy 	Learners learn about reducing environmental risks and ecological scarcities	Explanation of Green skill that aims for Sustainable Development	➤ Arithmetic Skill Accelerator Modules 1 to 25 Level 4

SUBJECT : VISUAL ART

MONTH	SUBJECT AND MEDIUM	ASSIGNMENT	LEARNING OBJECTIVES	PRACTICALS/ ACTIVITIES/ INNOVATIVE PEDAGOGY	LEARNING OUTCOMES
APRIL	<ul style="list-style-type: none"> • INTRODUCTION- ELEMENTS OF ART • COLOUR THEORY • INTRODUCTION HUMAN FIGURE(STRUCTURE) 	<ul style="list-style-type: none"> • DRAW COLOUR WHEEL 	<p>- To make students identify Critical evaluation and aesthetic judgment applied.</p> <p>- To make the student aware about our domains and principles of growth and development of art in India.</p>	<ul style="list-style-type: none"> ➤ Pedagogy-cross over learning by linking the various group processes with the daily life of the learner. ➤ The student develops the ability to: <ul style="list-style-type: none"> *Respect, appreciate and demonstrate an open mind towards the artistic expression of others meaning. ➤ Pedagogy-cross over learning by linking the various group processes with the daily life of the learner. 	<p>Students would be able to –</p> <ul style="list-style-type: none"> -Comprehend about domains and principles of growth and development. -demonstrate their skill, evidence of process and the exploration of a wide range of subjects. -Display Skills:Aesthetic judgement and organizational.

<p>MAY</p>	<ul style="list-style-type: none"> • FUN WITH FRIENDS(SITTING GESTURE -2/3,1/2 & PROFILE FIGURE • VILLAGE SCENE (CYCLING FIGURE) • FOLK ART OF INDIAN 	<p>SUMMER HOLIDAY HOMEWORK PAINTING- 4 LANDSCAPES (MEDIUM-WATER COLOURS OR POSTER COLOURS)</p>	<p>- To make the student understand the amalgamation of style ,tradition and custom leads to new art form.</p>	<p>The learner develops the ability to:</p> <ul style="list-style-type: none"> • Appears enthusiastic and willing to study artistic expressions from other cultures or regions of the world that are very different from own. • Accept different forms and styles and tries to explore their art form. 	<p>Students would be able to –</p> <p>Display Skills:</p> <p>Aesthetic judgement and organizational skills should be demonstrated in the process of work presented by a candidate.</p>
<p>JULY</p>	<ul style="list-style-type: none"> • STILL LIFE (DRAWING)- INTRODUCING DIFFERENT SHAPES & FORM • STILL LIFE SHADING (PENCIL) 	<p>STILL LIFE STUDY-4 SHEETS</p>	<p>- To make the students understand and learn about the usage of shapes and form in art.</p> <p>- To make the student achieve emotional, cognitive, social, cultural maturity.</p>	<p>➤ Pedagogy-cross over learning by linking the various group processes with the daily life of the learner.</p> <p>➤ The learner develops the ability to:</p> <p>*Be sensitive towards other’s creations.</p> <p>*Be ready to research and transfer his/her learning to his / her own art</p>	<p>It is expected that the students skills:- will demonstrate evidence of process and the exploration of a wide range of subjects.</p> <p>-will use different range of media</p>

				<p>The student develops the ability to:</p> <ul style="list-style-type: none"> • Apply theoretical knowledge in practical contexts. 	<p>and material in order to express themselves.</p>
AUG	<ul style="list-style-type: none"> • FOLIAGE STUDY(PENCIL) • FOLIAGE STUDY(PENCIL) 	FOLIAGE STUDY-2SHEETS	<p>- To make the student understand the amalgamation of style, tradition and custom leads to new art form.</p> <p>-To foster creativity and self expression (basic understanding of colour concept and application in relation to colour and texture of the material used by the student).</p>	<p>➤ The learner develops the ability to:</p> <p>*Be sensitive towards other's creations.</p> <p>*Be ready to research and transfer his/her learning to his / her own art</p> <p>➤ Pedagogy-Learning by Doing</p>	<p>It is expected that the students skills:</p> <p>- will demonstrate evidence of process and the exploration of a wide range of subjects.</p> <p>-will use different range of media and material in order to express themselves.</p> <p>- Possess information and communication technology skills.</p>
SEP	<ul style="list-style-type: none"> • INTRODUCING WATER COLOUR-LANDSCAPE 	LANDSCAPE-2 SHEETS	<p>- To make the student understand the</p>	<p>➤ The learner develops the ability to:</p>	<p>It is expected that the students</p>

	<ul style="list-style-type: none"> LANDSCAPE(WATER COLOUR) 		<p>amalgamation of style, tradition and custom leads to new art form.</p> <p>-To foster creativity and self expression (basic understanding of colour concept and application in relation to colour and texture of the material used by the student).</p>	<p>*Be sensitive towards other's creations.</p> <p>*Be ready to research and transfer his/her learning to his / her own art</p> <p>➤ Pedagogy-Learning by Doing</p>	<p>skills:</p> <p>- will demonstrate evidence of process .</p> <p>-will use different range of media and material in order to express themselves.</p>
OCT	<ul style="list-style-type: none"> COMPOSITION (DIWALI) 	<p>AUTUMN HOLIDAY HOMEWORK</p> <p>-</p> <p>REPLICATE ANY 2 BENGAL SCHOOL PAINTING- 2SHEETS(A3) MEDIUM – POSTER OR ACRYLIC</p>	<p>- To make the student understand the evolution of art in Bengal.</p> <p>-To make the students understand and learn about artist Involved in National Freedom Movement.</p> <p>-To foster creativity and self expression (basic understanding of colour concept and application in relation to colour and texture of the material used by the student).</p>	<p>➤ Pedagogy-cross over learning by linking the various group processes with the daily life of the learner.</p> <p>➤ The learner develops the ability to:</p> <p>*Be sensitive towards other's creations.</p> <p>*Be ready to research and transfer his/her learning to his / her own art.</p>	<p>It is expected that the students skills:</p> <p>- will demonstrate evidence of process and the exploration of a wide range of subjects.</p> <p>-will use different range of media and material in order to express themselves.</p>

				➤ Pedagogy-Learning by Doing	- Possess information and communication technology skills.
NOV	<ul style="list-style-type: none"> COMPOSITION(WATER-COLOUR) 	COMPOSITION- 2SHEETS(TOPIC WILL BE PROVIDED)	<p>To make the students understand and learn about the composition in art.</p> <p>- To make students identify Critical evaluation and aesthetic judgement applied.</p>	<p>➤ Pedagogy-cross over learning by linking the various group processes with the daily life of the learner.</p> <p>➤ The students develops the ability to:</p> <p>*Respect, appreciate and demonstrate an open mind towards the artistic expression of others meaning.</p> <p>Be sensitive towards other's creations.</p>	<p>Students would be able to –</p> <p>-Comprehend about domains and principles of growth and development.</p> <p>-demonstrate their skill, evidence of process and the exploration of a wide range of subjects.</p>
DEC	<ul style="list-style-type: none"> COLLAGE WITH MAGAZINE(MOSAIC TECHNIQUE) 	WINTER HOLIDAY HOMEWORK ANY TWO FOLK ART OF INDIA	<p>To make the students understand and learn about the Moscaic Technique.</p> <p>- To make students identify Critical evaluation and aesthetic judgement</p>	<p>➤ Pedagogy-Use of technology PPT and Images related to the topic will be shown.</p> <ul style="list-style-type: none"> Appears enthusiastic and willing to study artistic expressions from other 	<p>It is expected that the students skills:</p> <p>-will use different range of media and material in</p>

			<p>applied.</p> <p>Students are required to produce evidence that demonstrates a creative approach to problem- solving. Evidence should also include the ability to interpret a given brief and original approaches to produce a solution.</p>	<p>cultures or regions of the world that are very different from own.</p>	<p>order to express themselves.</p> <p>- Possess information and communication technology skills</p> <p>Step by step development of the work will be assessed in all process.</p>
JAN	<ul style="list-style-type: none"> NATURE STUDY(PENCIL & PEN) 	<p>REALISTIC CHARACTER FROM MAGAZINE-1 SHEET(ANY MEDIUM)</p>	<p>To make the students understand and learn about the Pen & Ink Technique.</p> <p>- To make students identify Critical evaluation and aesthetic judgement applied.</p> <p>Students are required to produce evidence that demonstrates a creative approach to problem- solving. Evidence should also include the ability to interpret a given</p>	<p>➤ Pedagogy-Use of technology PPT and Images related to the topic will be shown.</p> <ul style="list-style-type: none"> Appears enthusiastic and willing to study artistic expressions from other cultures or regions of the world that are very different from own. 	<p>It is expected that the students skills:</p> <p>-will use different range of media and material in order to express themselves.</p> <p>- Possess information and communication technology skills</p> <p>Step by step</p>

			brief and original approaches to produce a solution.		development of the work will be assessed in all process.
FEB	<ul style="list-style-type: none"> NATURE STUDY(WATER-COLOUR)-OUTDOOR 	Nature Study	<p>To make the students understand and learn about the Pen & Ink Technique.</p> <p>- To make students identify Critical evaluation and aesthetic judgement applied.</p> <p>Students are required to produce evidence that demonstrates a creative approach to problem-solving. Evidence should also include the ability to interpret a given brief and original approaches to produce a solution.</p>	<p>➤ Pedagogy-Use of technology PPT and Images related to the topic will be shown.</p> <ul style="list-style-type: none"> Appears enthusiastic and willing to study artistic expressions from other cultures or regions of the world that are very different from own. 	<p>It is expected that the students skills:</p> <p>-will use different range of media and material in order to express themselves.</p> <p>- Possess information and communication technology skills</p> <p>Step by step development of the work will be assessed in all process.</p>

SUBJECT : MUSIC

S NO.	MONTH	TOPIC
1	April-May	School Prarthna Alankar Students will follow the tune and rhythm of the song with help of music teacher. Understanding cultural diversity through regional songs . To be integrated with EVS Topic: Travelling
2	July- September	Motivational Song Patriotic Song Guru Vandana Hindi Geet Students will follow the tune and rhythm of the song with help of music teacher. Considering music as a way of celebrating Independence Day, Students can sing different language songs other than their mother tongue. To be integrated with Hindi & maths To be integrated with Hindi & English To be integrated with art
3	October- December	Bapu prarthna Sangeet paribhasha Christmas Carols Vigyaan Qawwali Students will follow the tune and rhythm of the song with help of music teacher. Through music developing awareness about the s To be integrated with Science To be integrated with English & Art
4	January- March	Patriotic song Vasant geet Saraswati Vandana Environment song Students will follow the tune and rhythm of the song with help of music teacher. Developing awareness to conserve our natural resource i.e Water To be integrated with English & Maths To be integrated with EVS

SUBJECT : DANCE

TEXT BOOKS:

MONTH	CONTENT	DANCE PRACTICAL	LEARNING OUTCOMES/SKILL DEVELOPMENT	Methodology/ Suggested Way of application
April To June	Tattkar and Aamad	Padhant of teen taal	Coordination and team work will be improved.	With the help of instruments like harmonium and percussion for Laya the content has to be taught. Padhant of the content has to be memorized.
July To September	Regional dance (Koli dance), Patriotic dance	Bharat ye rehna chaiye	One dance from Maharashtra. Children will get to know about their cultural costume etc.	Try to show the video clippings of Koli community.
October To December	Chakkar Gat Nikas, Life sketch of legend dancers of kathak. (Concerning the different artists who have served in the developments of this art form	Foot work different laya taal	Learn how to perform different types of chakkar's. They will understand about the rhythm.	Puran chakkar Ardh chakkar
January To March	Salami (Rangmanch ka tukda), Paribhaasik shabad	Different movement of salami paribhaasik shabad (Ang, Pratyang, Upaang)	They will develop knowledge about the Kathak. Their creativity will be enhanced. They will learn and understand Taal Laya.	Padhant of the content has to be memorized and will learn about different body parts to be used in kathak dance.

PLAN

CYCLE	TOPICS
First	<ul style="list-style-type: none">➤ HISTORY OF CHHAU DANCE➤ CHHAU-BASIC EXERSISES (FOR MORE FEXILBILITY)➤ FOOT MOVEMENTS & EXERSISES TO MAKE BALANCE AND STRENGTH➤ SOME BASIC & DIFFERENT TYPES OF FOLK DANCE MOVEMENTS➤ WRITE THE LIFE HISTORY OF GURU KRISHNA CHANDRA NAYAK➤ WHERE DID CHHAU CAME FROM & THE DEVELPOMENT OF MAYURBHANJ CHHAU
Second	<ul style="list-style-type: none">➤ DETAILED KNOWLEDGE ABOUT CHHAU DANCE➤ 3 CHALI, & FEW STEPS OF UFLI (UPGRADED TECHNIQUES)➤ JANMASHTAMI DANCE➤ DANCE FOR INDEPENDENCE DAY.
Third	<ul style="list-style-type: none">➤ BASIC KNOWLEDGE ABOUT CREATIVE DANCE➤ DURGA STUTI (CREATIVE STYLE)➤ DIWALI DANCE / ANNUAL DAY PREPARATION➤ CHRISTMAS & NEW YEAR DANCE
Fourth	<ul style="list-style-type: none">➤ FOLK ITEM OF CHHAU DANCE (KAL CHAKRA)➤ FOLK DANCE➤ REVISION OF ALL THE DANCES (EXAM)

FIRST CYCLE

Monthly Plan

MONTH	TOPICS	THEORY/PRACTICAL/ACTIVITY	LEARNING OUTCOMES
APRIL	<ul style="list-style-type: none">➤ HISTORY OF CHHAU DANCE➤ CHHAU / FOLK -BASIC EXERSISES	<ul style="list-style-type: none">➤ THEORY➤ PRACTICAL	Students will be able to- 1. know about the history of 3 DIFFERENT STYLE OF CHHAU .
MAY	<ul style="list-style-type: none">➤ CHHAU -FOOT M OVMEMENTS, BALANCE & STRENTH WORK	PRACTICAL THEORY	<ul style="list-style-type: none">➤ Understand the importance of balancing &how we shift our body weight to right leg to left leg➤ Defination of every single chali.

	-6 DIFFERENT CHALI OF CHHAU DANCE ➤ BASIC STEPS OF FOLK DANCES	THEORY	
JUNE	➤ WRITE THE LIFE HISTORY OF GURU KRISHNA CHANDRA NAYAK ➤ WHERE DID CHHAU CAME FROM & THE DEVELOPMENT OF MAYURBHANJ CHHAU	➤ ACTIVITY WORK	STUDENT'S WILL LEARN ABOUT THE LIFE HISTORY OF FAMOUS DANCER. ➤ STUDENTS WILL LEARN THE HISTORY & DEVELOPMENT OF CHHAU DANCE.

Second Cycle

Monthly Plan

MONTH	TOPICS	THEORY/PRACTICAL/ACTIVITY	LEARNING OUTCOMES
JULY	➤ DETAILED KNOWLEDGE ABOUT CHHAU DANCE ➤ WHAT IS CHALI (CHHAU)	➤ `THEORY ➤ PRACTICAL	Students will be able to- - Know about the "chhau dance". -develop rhythm and balancing through "Chali"
AUGUST	➤ 3 CHALI ➤ FEW STEPS OF UFLI ➤ JANMASHTAMI DANCE ➤ INDEPENDENCE DAY DANCE	➤ PRACTICAL ➤ PRACTICAL ➤ PRACTICAL	-develop rhythm and balancing through "Chali". -UPGRADED TECHNIQUE - describe Janmashtami & INDEPENDENCE OF INDIA.
SEPTEMBER	➤ TEACHER'S DAY DANCE	➤ PRACTICLE	-describe teacher's day.(expression)

Third Cycle

Monthly Plan

MONTH	TOPICS	THEORY/PRACTICAL/ACTIVITY	LEARNING OUTCOMES
OCTOBER	➤ BASIC KNOWLEDGE ABOUT CREATIVE DANCE ➤ DURGA STUTI (CREATIVE STYLE)	➤ THEORY	Students will be able to- -Understand the basic concept of creatice dance.

	➤ ANNUAL DAY PREPARATION	➤ PRACTICAL	-Develop expressions and body movements through durga stuti dance. -THEME BASED
NOVEMBER	➤ DIWALI FESTIVAL OF LIGHTS / ANNUAL DAY	➤ PRACTICAL	-Know about the various dance forms like Diwali dance
DECEMBER	➤ CHRISTMAS & NEW YEAR DANCE	➤ PRACTICAL	-Students will learn rhythmic & flexible movement, Know about the various dance forms Christmas dance. Know about the celebrations of NEW YEAR.

Fourth Cycle

Monthly Plan

MONTH	TOPICS	THEORY/PRACTICAL/ACTIVITY	LEARNING OUTCOMES
JANUARY	➤ FOLK ITEM OF CHHAU DANCE (KALCHAKRA)	➤ PRACTICAL	Students WILL KNOW ABOUT THE TAAL & THE TRADITIONAL FORM OF CHHAU DANCE
FEBRUARY	➤ FOLK DANCE	➤ PRACTICE	-Understand about the INDIAN FOLK DANCE .
MARCH	➤ REVISION WORK (EXAM)	➤ PRACTICAL	

Parameters of Assessment / Grading

- REGULARITY
- SINCERE PARTICIPATION
- THEORETICAL KNOWLEDGE
- OUTPUT AND TEAMWORK

