



**Bal Bharati**  
PUBLIC SCHOOL  
Sector-21, Noida

**SYLLABUS 2021-22**

**CLASS-VIII**



## SUBJECT: ENGLISH

**Text Books:**    **1.NEW IMAGES CLASS BOOK**  
                          **2. NEW IMAGES HOME BOOK**

**3. NEW IMAGES STORY BOOK**

<b>MONTH</b>	<b>CLASS BOOK &amp; HOMEBOOK</b>	<b>STORY BOOK</b>	<b>GRAMMAR</b>	<b>WRITING SKILLS</b>	<b>LEARNING OUTCOME</b>	<b>INNOVATIVE PEDAGOGY/ART INTEGRATION/INTER DISCIPLINARY APPROACH</b>
<b>April</b>	1.The Eyes Have It 2.When You are Old	1.The Three Questions	1. Modals 2.Editing	1.Notice Writing	1.Comprehend, correlate and critically evaluate the text. 2. To appreciate poetry as a literary genre. 3. To hone their creativity and writing skills.	Group discussion on 'It's never to late to start afresh.'
May	3. The Black Spot	2.The Harvest Hymns	3. Tenses and Verb forms 4.Rearrange the sentences	2. Diary Entry	1.Think more about the maritime activities in history. 2.To know the art of story telling	To write a Book Review
July	4.The Nightingale and the Glow-worm 5. After Twenty Years	3.The Guests 4. The Ballad of Longwood Glen	5. Articles 6. Voice	3.Formal Letter writing (to the Editor )	To learn the concept of imagery and irony in the text	Get into groups to research and find out about three luminous creatures and share in the class
August	6. The way through the Woods 7.The remarkable Rocket	5. .Rebati	Integrated Grammar	4.Descriptive Writing(descrip tion of people, places and events)	To enable the students to integrate skills of different subjects and enhance their creative, collaborative and problem solving skills.	Prepare a colourful poster on the effects of pollution caused by industries. The slogan should be attractive to create an awareness.

September	8. The Open Window	6. The Morals of Chess	Revision	5.Guided Biography	1.To learn the art of storytelling. 2. To do a literary appreciation	Make a creative Poster for Missing Mr Sappleton based on the illustration given in the chapter and use the sketch in your poster.
October	9.A Nation's Strength 10.Pride and Prejudice	7. A Telephonic Conversation	Prepositions	8.Speech Writing	To learn the poetic devices and to inculcate the values of love and respect for one's own country	This chapter is in the form of a comic strip. Students can write a summary of the extract in their own words.
November	11.The Portrait of a Lady	8.The Rehearsals	Conjunctions	9.E-mail Writing	Analytical thinking and infer the contextual meaning of the text	Character sketch of grandmother
December	12.Caged Bird 13.From Story Telling to Film Making 14. I Go to Styles	9. Shmuel Tells his Story 10. Cube Art-An Artist's Story	Reported Speech	10 Story writing	To appreciate and enjoy the poem. To comprehend the text and improve their Reading, Writing, Listening and Speaking skills	Listening skills activity to be designed from this chapter. An extract will be read by the teacher and multiple choice questions will be given using Google Forms. It will be a timed test.
January	15. Three Witches and Their Prophecy		12. Omissions	Revision	To develop critical appreciation and read the original play. To develop their confidence and express themselves through enactment.	Prepare a PPT on the Elizabethan Age and find out about the occupation, clothes, famous battles, books, authors and playwrights of that Age
February	Revision	Revision	Revision	Revision		

## SUBJECT : HINDI

मास	पाठ का नाम (साहित्य खंड)	व्याकरण तथा रचनात्मक लेखन	शिक्षण- अधिगम के प्रतिफल	नवीन शिक्षण युक्तियाँ <b>कला एकीकरण</b> अंतर्विषयी दृष्टिकोण	गतिविधि परियोजना
अप्रैल	ध्वनि	भाषा व्याकरण और लिपि, वर्ण-विचार, तत्सम-तद्भव-अंध-पंच , विलोम शब्द-अर्थ-गुप्त पर्यायवाची शब्द-आदर- इच्छा, अनेकार्थी शब्द- अर्थ-काज-अनेक शब्दों के लिए एक शब्द-अकल्पनीय-वर्णनीय समरूपी भिन्नार्थक शब्द-अंश-अभिराम अनौपचारिक-मित्र को पत्र, अनुच्छेद -ऐसी वाणी बोलिए मन का आपा खोय अपठित गद्यांश, लघु कथा लेखन	विद्यार्थियों द्वारा जोश व उत्साह की उपयोगिता समझते हुए प्राचीन व नवीन साधनों की उपलब्धता की तुलनात्मक जानकारी सहभागिता के माध्यम से प्राप्त करना पद्य विधा का आनंद उठा पाने की क्षमता का विकास ए अनौपचारिक विषयों व संदर्भों में बातचीत करने की क्षमता का विकास ए बच्चे के व्यक्तिगत कौशलों , रुचियों , मनोवृत्तियों और प्रेरणा का विकास करना बोधात्मक , मनोप्रेरक और भावात्मक कौशलों का विकास करना छात्रों के लिए पर्यावरण मैत्री से जुड़ाव की अधिकाधिक संभावनाएँ उत्पन्न करना संवेदनशीलता तथा भावुकता का विकास करना	पद्य-विधा के प्रति जागरुकता का आह्वान, आदर्श अनुतानमय वाचन, व्यावहारिक अनुभवों का आदान- प्रदान, मनन-चिंतन गायन विधा के साथ एकीकरण	कविता-वाचन <b>अथवा</b> मानव की वर्तमान जीवन शैली और शहरीकरण से जुड़ी योजनाएँ प्रकृति के लिए घातक – चर्चा परिचर्चा
	क्या निराश हुआ जाए	-	समाज में फैले भ्रष्टाचार को देखकर निराश न होने की सीख देना , निरंतर आशा का दामन थाम आगे कदम बढ़ाना ।	सकारात्मक सोच का पल्लवन , जीवन में आशावादी बनने की सीख,	कक्षागत विचार- प्रस्तुति एवं भावा भिव्यक्ति

			विद्यार्थी समझने में समर्थ होंगे – जीवन में मेहनत व ईमानदारी का महत्त्व, सफलता के लिए आशा व सकारात्मक सोच की आवश्यकता		
मई	बस की यात्रा	शब्द-विचार ,संज्ञा,लिंग,वचन मुहावरे-1-15 अपठित पद्यांश ,विज्ञापन- लेखन , संवाद लेखन	विद्यार्थियों द्वारा यातायात के साधनों की उपयोगिता को समझते हुए प्राचीन व नवीन यातायात प्रणाली की तुलनात्मक जानकारी सहभागिता के माध्यम से प्राप्त करना , यातायात के साधनों का महत्त्व, विपरीत परिस्थितियों में संतुलन की आवश्यकता , सामाजिक अव्यवस्था से परिचय	निर्दिष्ट विधा से परिचय, व्यावहारिक व्याकरण का पल्लवन सामाजिक विज्ञान के साथ एकीकृत – यातायात व्यवस्था संबंधी – विचार-विमर्श, हास्य-व्यंग्य विधा से संक्षिप्त परिचय	<b>प्राचीन व नवीन यातायात साधनों का चार्ट प्रस्तुतीकरण</b>
	दीवानों की हस्ती		विद्यार्थियों द्वारा जीवन में सभी को खुश रखने के महत्त्व की जानकारी, जीवन को उत्साहपूर्ण बनाने तथा कार्यकुशलता की निरंतरता को बनाए रखने के लिए सच्चे मित्र की आवश्यकता	कला के साथ एकीकरण, फक्कड़मस्ती तथा मस्तमौला जीवन से परिचय , खुशियाँ बाँटने से ही खुशनुमा माहौल का निर्माण, सांसारिक बंधनों से मुक्ति	<b>पोस्टर-निर्माण अथवा - कल्पना के आधार पर सच्चे मित्र का चित्र प्रस्तुतीकरण</b>
जुलाई	चिट्ठियों की अनूठी दुनिया	कारक ,सर्वनाम ,तत्सम-तद्भव-पक्षी-कोकिल विलोम शब्द-खंड-भोगी , पर्यायवाची शब्द-इंद्र-उपवन, अनेकार्थक शब्द-कुल-तात, अनेक शब्दों के लिए एक शब्द -स्वार्थी-आत्महत्या अनौपचारिक पत्र: सांत्वना पत्र	विद्यार्थियों द्वारा पत्र संस्कृति की जानकारी सहभागिता के माध्यम से प्राप्त करना । विद्यार्थी समझने में समर्थ होंगे- जीवन में पत्रों की आवश्यकता , पत्र संस्कृति	आदर्श अनुतानमय वाचन एवं स्पष्टीकरण, व्यावहारिक अनुभवों का आदान-प्रदान, जीवन सापेक्ष अनुभव, काठिन्य-	<b>पुराने समाचार पत्रों के माध्यम से पत्र निर्माण</b>

		अनुच्छेद लेखन-श्रम का महत्त्व अपठित गद्यांश ,लघु कथा लेखन	की जानकारी , भावों तथा विचारों को व्यक्त करना , पत्रों के महत्त्व , उपयोगिता की जानकारी प्रदान करना । शुद्ध उच्चारण के साथ पठन क्षमता का विकास ।	निवारण , मनन-चिंतन, आगमन विधि कला एकीकरण - पोस्टकार्ड तथा पत्र खरीदकर उसे लिखना सिखाना ।	
	भगवान के डाकिए(केवल पठन हेतु)		विद्यार्थियों द्वारा भगवान द्वारा भेजे गए संदेशवाहकों की जानकारी पारस्परिक सहभागिता के माध्यम से प्राप्त करना, निःस्वार्थ भावना का विकास, जीवन में उत्साह बनाने तथा कार्यकुशलता की निरंतरता बनाए रखने के लिए सहयोग की आवश्यकता पर बल । भेदभाव न करके प्रेम, सद्भाव व एकता का संदेश स्थापित करना ।	आदर्श अनुतानमय वाचन एवं स्पष्टीकरण, व्यावहारिक अनुभवों का आदान-प्रदान, जीवन सापेक्ष अनुभव, काठिन्य-निवारण , मनन-चिंतन, आगमन विधि द्वारा काव्य का रसास्वादन, ( कला एकीकरण )	<b>पोस्टर-निर्माण-कल्पना के माध्यम से विस्थापित पक्षियों की चित्राभिव्यक्ति</b>
अगस्त	लाख की चूड़ियाँ	विशेषण,क्रिया,काल ,समरूपी भिन्नार्थक शब्द-अर्थ-कीट उपसर्ग ,प्रत्यय , संवाद-लेखन अनुच्छेद लेखन-गुरु कुम्हार सिख कुंभ है , गढ़ि-गढ़ि काढ़े खोट	विद्यार्थियों द्वारा ग्रामीण पृष्ठभूमि की उपयोगिता समझते हुए प्राचीन व नवीन सामाजिक प्रणाली की तुलनात्मक जानकारी सहभागिता के माध्यम से प्राप्त करना। घरेलू उद्योग-धंधों का भारतीय समाज में महत्त्व , ग्रामीण व शहरी संस्कृति में संतुलन की आवश्यकता , साहित्य की गद्य विधा के प्रति समझ व सकारात्मक दृष्टिकोण का विकास स्वाध्याय हेतु प्रेरणा	<b>जीवन सापेक्ष अनुभव, काठिन्य-निवारण , मनन-चिंतन , निर्दिष्ट विधा से परिचय,जुझारू प्रवृत्ति का विकास, सामाजिक विज्ञान,विज्ञान, कला , अंग्रेज़ी,गणित,संस्कृत के साथ एकीकरण</b>	<b>समाप्त होते लघु उद्योग घंधे – फाइल प्रस्तुतीकरण ( छात्र उत्तर प्रदेश, मेघालय तथा अरुणाचल प्रदेश के लघु उद्योग धंधों पर विस्तार पूर्वक विवरण तथा उनकी समाप्ति के कारण एवं निवारण पर परियोजना कार्य करेंगे।)</b>

अगस्त	यह सबसे कठिन समय नहीं		विद्यार्थी समझने में समर्थ होंगे -जीवन में कठिनाइयाँ आने पर विषमताओं का सामना करना, जीवन में प्रत्येक परिस्थिति में उत्साह को बनाए रखना, विषमता को सहजता से स्वीकार करना, समय की श्रेष्ठता को जानते हुए दूरदर्शिता का विकास	कोई ऐसा अनुभव लिखें जब आप हताश हो गए हों और मित्र ,संबंधी, शुभचिंतक ने आपकी सहायता की हो ।	निराशा छोड़कर आशावादी बनने की सीख देने वाली अतिरिक्त <b>कविता का वाचन</b>
सितंबर	कबीर की साखियाँ	वर्तनी विचार मुहावरे-16-30 अपठित गद्यांश, पद्यांश , विज्ञापन लेखन <b>पुनरावृत्ति एवं अर्धवार्षिक परीक्षा</b>	दूसरों के समक्ष अपनी बात को तर्कपूर्ण ढंग से रखने की कला विकसित करना , गायन-विधा में सक्षम ए पद्य विधा से परिचय ए जीवन मूल्यों का विकास ए पद्य विधा को व्यावहारिकता से जोड़ना सिखाना	कबीर की साखियों की वर्तमान स्थिति से तुलना – विचार विमर्श	<b>साखी-गायन - स्वगायन की वीडियो बनवाना</b>
अक्टूबर	कामचोर	क्रियाविशेषण , संबंधबोधक , तत्सम-तद्भव-चटका-कपोत, विलोम शब्द-भूगोल-ध्वस्त, पर्यायवाची शब्द-गंगा-वस्तु , अनेकार्थक शब्द-पक्ष-माँग, अनेक शब्दों के लिए एक शब्द -शरणागत-पथ-प्रदर्शक औपचारिक-पत्र:प्रधानाचार्य को पत्र अनुच्छेद लेखन:मित्रता अपठित गद्यांश , लघु कथा लेखन	पारिवारिक दायित्वों की समझ विकसित करना, व्यंग्यात्मक शैली को समझने की सीख प्रदान करना ए बाल मनोविज्ञान से परिचय, सृजनात्मक क्षमता का विकास, बालमन की उड़ान का विकास ए बच्चों के प्रति समझ व सहनशीलता का विकास	कला एकीकरण हेतु संयुक्त परिवार की विशेषताएँ बताते हुए बच्चों की सोच में बदलाव तथा घरेलू कार्यों के प्रति सजगता का आह्वान	वाद-विवाद- भाग्य बड़ा या पुरुषार्थ
अक्टूबर	जब सिनेमा ने बोलना सीखा		रंगमंचीय अनुभवों का आदान-प्रदान , प्राचीन व आधुनिक सिनेमा में आए बदलावों से अवगत कराना	मूक सिनेमा व आधुनिक काल के सिनेमा पर चर्चा-परिचर्चा	अभिनय-प्रस्तुतीकरण
नवंबर	सुदामा चरित	समुच्चयबोधक , विस्मयादिबोधक, समरूपी भिन्नार्थक शब्द-अन्न-ज्वर औपचारिक-पत्र:संपादक को पत्र अपठित गद्यांश , विज्ञापन-लेखन	पठन व लेखन कौशल का विकास , विद्यार्थियों द्वारा सच्चे मित्र के व्यवहार की मानव जीवन में उपयोगिता की जानकारी पारस्परिक सहभागिता के माध्यम से प्रदान करना , श्री कृष्ण व सुदामा की अटूट	श्री कृष्ण के बाल्यकाल का वर्णन , आदर्श मैत्री के अन्य उदाहरणों पर विचार-विमर्श	भाषण- घमंडी का सिर नीचा

			मित्रता की गहराई को समझ पाने की क्षमता का विकास , जीवन को उत्साहपूर्ण बनाने तथा कार्य-कुशलता की निरंतरता बनाए रखने के लिए सच्चे मित्र की आवश्यकता का एहसास कराना , स्नेह व सौहार्द की भावना, अभिमान रहित जीवन, संबंधों की प्रगाढ़ता		
नवंबर	जहाँ पहिया है		साइकिल की यात्रा से परिचय कराना, साइकिल आत्मनिर्भरता में सहायक, दक्षिण भारतीय ग्रामीण संस्कृति से अवगत कराना, बच्चों का बहुमुखी विकास ।	आदर्श अनुतानमय वाचन एवं स्पष्टीकरण, व्यावहारिक अनुभवों का आदान-प्रदान, जीवन सापेक्ष अनुभव, काठिन्य-निवारण , मनन-चिंतन, आगमन विधि, कला एकीकरण हेतु - कहानी वाचन- पहिए की कहानी बच्चों की जुबानी	कथोपकथन अथवा महिला सशक्तीकरण के प्रमुख आंदोलनों तथा उसके नायक-नायिकाओं पर चर्चा करना
दिसंबर	अकबरी लोटा	समास, मुहावरे-3145 , अशुद्ध वाक्यों का संशोधन, अनुच्छेद लेखन:परोपकार अपठित गद्यांश ,संवाद-लेखन, शिकायती पत्र	व्यंग्य विधा द्वारा समस्याओं को गहराई से उजागर करने की क्षमता में वृद्धि, रंगमंच से जुड़े कौशलों में निपुणता	<b>कला- एकीकृत – ऐतिहासिक वस्तुओं के संग्रहालयों के नाम व पते का फाइल प्रस्तुतीकरण</b>	<b>चरित्र-अभिनय ए काल्पनिक हास्य से परिपूर्ण व्यंग्यात्मक कहानी मंचन ( कोई एक )</b>
दिसंबर	सूरदास के पद		विद्यार्थियों द्वारा ग्रामीण पृष्ठभूमि की उपयोगिता समझते हुए प्राचीन व नवीन सामाजिक प्रणाली की तुलनात्मक जानकारी, श्रीकृष्ण के	आदर्श अनुतानमय वाचन एवं स्पष्टीकरण, व्यावहारिक अनुभवों का आदान-प्रदान, जीवन सापेक्ष अनुभव, काठिन्य-	पदों का गायन, माँ बच्चों के हितार्थ उनके साथ कैसा व्यवहार करती है- चर्चा-परिचर्चा



			बाल जीवन का महत्व को समझने में समर्थता ,	निवारण , मनन-चिंतन, आगमन विधि संगीत के साथ एकीकृत	
जनवरी  जनवरी	पानी की कहानी- केवल पठन हेतु  बाज और साँप	वाक्य रचना ,तत्सम-तद्भव-गृह-मस्तक विलोम शब्द-स्वच्छ-स्वेच्छापर्यायवाची शब्द- बादल-हनुमान, अनेकार्थक शब्द-विषय-हार,अनेक शब्दों के लिए एक शब्द-एकाकी-परोपकारी अनुच्छेद लेखन: समय का सदुपयोग पठित गद्यांश ,लघु कथा लेखन	पानी की उत्पत्ति व संरचना से परिचय , छात्र समझने में समर्थ होंगे कि पानी जीवन के लिए अमृत है,व्यक्तित्व का बहुमुखी विकास पाठ के माध्यम से बाज और साँप के जीवन की विषमताओं से परिचय, विद्यार्थी समझने में समर्थ होंगे- साहसी लोगों के साहसिक कारनामों का महत्व, जीवन को साधारण व्यक्तियों की तुलना में विशिष्ट बनाने में, विद्यार्थियों को प्राणी मात्र की स्वतंत्रता के महत्व से परिचित कराना ।	कला- समन्वित – जल संरक्षण- चित्राभिव्यक्ति  कला- समन्वित - चित्राभिव्यक्ति	जल ही कल है- चर्चा-परिचर्चा , जल की विभिन्न अवस्थाओं का वर्णन ( कोई एक)  चुनौतीपूर्ण जीवन की सार्थकता - परिचर्चा
फरवरी	टोपी	विरामचिह्न,समरूपी भिन्नार्थक शब्द-भारती-सम्मान, मुहावरे-46-60 स्वास्थ्य अधिकारी को पत्र . विज्ञापन-लेखन  <b>वार्षिक परीक्षा</b>	विद्यार्थियों द्वारा लोककथा की उपयोगिता की जानकारी सहभागिता के माध्यम से प्राप्त कराना । विद्यार्थी समझने में समर्थ होंगे- जीवन को उत्साहपूर्ण बनाने तथा कार्यकुशलता की निरंतरता बनाए रखने के लिए सहयोग की आवश्यकता, लोककथा से परिचय,उचित मजदूरी के महत्व की जानकारी	आदर्श अनुतानमय वाचन एवं स्पष्टीकरण, व्यावहारिक अनुभवों का आदान-प्रदान, जीवन सापेक्ष अनुभव, काठिन्य-निवारण , मनन-चिंतन, आगमन विधि, कला एकीकरण – रंग-बिरंगी टोपियों की चित्राभिव्यक्ति	रुई से कपड़ा बनने तक की प्रक्रिया पर चर्चा-परिचर्चा

संस्कृत— पाठ्यक्रम: (2021–22)  
कक्षा – अष्टमी

मासः	शीर्षकम् (साहित्य)	व्याकरणम् रचनात्मक-कार्यम्	शिक्षण –अधिगमस्य प्रतिफलम्	नवीन- शिक्षण –युक्त्यः कला- एकीकरणम् अंतर्विषयी- दृष्टिकोणः	क्रियाकलापः
अप्रैलः	मूर्खः अनुचरः (वानर कथा)  क्रिकेटक्रीडकः- सचिनः तेंदुलकरः	   शब्दरूपाणि, धातुरूपाणि  प्रत्ययाः (क्त्वा, तुमुन्, ल्यप्)	कथाविधिना मूर्खस्य संगतेः दुष्परिणामस्य ज्ञानम् ।  निबन्धमाध्यमेन क्रीडकस्य सचिनस्य जीवनस्य परिचयः ।  शब्द-धातुरूपाणां ज्ञानं ।  क्त्वा-तुमुन् –ल्यप् प्रत्ययानां प्रयोगेण वाक्यनिर्माणस्य ज्ञानम् ।	हिन्दी- विषयेन सह एकीकृतम्-संस्कृतभाषायाः ज्ञानम् ।  हिन्दी-विषयेन सह एकीकृतम्	प्रदत्तचित्रेभ्यः पाठात् वाक्यानां चयनं लेखनम् च ।
मई	नीतिश्लोकाः ( श्लोकाः –केवलं गायनाय)  नवीन-शब्दावली-1	   संख्यावाचि शब्दाः ( 1-20 )  चित्र-वर्णनम्  अपठित-अनुच्छेदाः	नीतिश्लोकानां माध्यमेन जीवनमूल्यानां परिचयः ।  संख्यावाचिपदानां ज्ञानं प्रयोगः च ।  चित्राणि दृष्ट्वा वाक्यानां निर्माणम् ।	संगीत- विषयेन सह एकीकृतम्- श्लोकानां वाचनम्, गायनम्, स्मरणम् प्रस्तुतीकरणम् च ।	लयपूर्वकं श्लोकगायनम्

जुलाई	<p>स्वास्थ्यचक्रम् ( स्वास्थ्य सम्बन्धी नियम)</p> <p>अतिलोभः न कर्त्तव्यः (किसान सर्प की कथा)</p>	<p>कारकाः उपपदविभक्तयः च</p> <p>सन्धि—प्रकरणम् — दीर्घ, गुण, वृद्धि सन्धिः ।</p>	<p>महर्षिणा चरकेण रचित ग्रन्थात् चरकसंहितायाः स्वास्थ्यनियमानां परिचयः ।</p> <p>कथाविधिना लोभः न कर्त्तव्यः इति ज्ञानम् ।</p> <p>द्वितीयातः सप्तमी—विभक्तिपर्यन्तम् उपपदविभक्तीनां नियमानां ज्ञानम् ।</p> <p>सन्धिनियमानाम् ज्ञानम् ।</p>	<p>विज्ञान—विषयेन सह एकीकृतम्—स्वास्थ्यनियमानां ज्ञानम् ।</p> <p>हिन्दी— विषयेन सह एकीकृतम्</p>	
अगस्तः	<p>तुलसीपादपस्य आत्मकथा</p> <p>लौहपुरुषः—सरदार वल्लभभाई पटेलः</p>	<p>अव्ययाः</p> <p>समय— लेखनम्</p>	<p>आत्मकथायाः माध्यमेन तुलसी—पादपस्य पौराणिक—औषधीय—गुणानां परिचयः ।</p> <p>निबन्धमाध्यमेन श्री पटेलस्य जीवन—परिचयः ।</p> <p>अव्ययानां सहायतया वाक्यानां निर्माणस्य ज्ञानम् ।</p> <p>संस्कृतभाषायां समयस्य ज्ञानम् ।</p>	<p>विज्ञान— विषयेन सह एकीकृतम्—तुलसीपादपस्य महत्त्वस्य ज्ञानम् ।</p> <p>हिन्दी— विषयेन सह एकीकृतम्</p>	<p>‘ तुलसीपादपस्य आत्मकथा’ पाठाधारिते तुलसी / निम्बवृक्षस्य औषधीय—गुणानां वर्णनं पंचवाक्येषु कुरुत, तेन निर्मितोत्पादानां नामानि चित्राणि च संचिकायां लिखत ।</p> <p>(कला समन्वित गतिविधि)</p>
सितम्बरः	<p>पुर्नमूषको भव (चित्रकथा)</p>		<p>चित्रकथायाः माध्यमेन ‘कृतघ्नता मा कुरु’ इति मूल्यप्रदानम् ।</p>	<p>हिन्दी—विषयेन सह एकीकृतम्—नैतिकमूल्यस्य ज्ञानम् ।</p>	

	अर्धवार्षिक- परीक्षायै पुनरावृत्ति:	अशुद्धि-संशोधनम्	वाक्यानां शोधनस्य शुद्ध वाक्यानां च लेखनस्य विकासः ।		
अक्तूबरः	दीपावली उत्सवः  विद्यायाः महत्त्वम् ( श्लोकाः — केवलं गायनाय )  नवीन-शब्दावली-2	प्रत्ययाः (क्त, क्तवतु, तव्यत्, अनीयर्)	दीपावली-उत्सवस्य परिचयः ।  श्लोकानां माध्यमेन विद्यायाः महत्त्वस्य परिचयः ।  क्त-क्तवतु-तव्यत्-अनीयर् प्रत्ययानां प्रयोगेण वाक्यानां निर्माणस्य ज्ञानम् ।	हिन्दी-विषयेन सह एकीकृतम्- भारतीय-उत्सवानां ज्ञानम् ।  संगीत-विषयेन सह एकीकृतम्- श्लोकानां वाचनं, गायनम्, स्मरणं, प्रस्तुतीकरणम् च ।	भारतीय-उत्सवानां सूचीं रचयन्तु ।  लयपूर्वकं श्लोकगायनम्
नवम्बरः	दुर्जनः परदोषाणां दर्शने कुशलो महान् (भेड़िए व मेमने की कहानी)	संख्यावाचि शब्दाः ( 21-50 )  सन्धि-प्रकरणम् — यण्, अयादि, पूर्वरूप सन्धिः	सदैव दुष्टेभ्यः दूरीभवन्तु इति शिक्षा प्रदानम् ।  संख्यावाचिपदानां ज्ञानं प्रयोगः च ।  सन्धिनियमानां ज्ञानम् ।	हिन्दी-विषयेन सह एकीकृतम्-कथायाः माध्यमेन नैतिकमूल्यस्य ज्ञानम्  हिन्दी-विषयेन सह एकीकृतम्- संख्यावाचिपदानां परिचयः प्रयोगः च ।	लयपूर्वकं श्लोकगायनम्
दिसम्बरः	अस्माकं पर्यावरणं प्रदूषणं च		छात्रेषु वृक्षारोपणस्य विषये जागरुकता, पर्यावरणस्य	समाजिक-विज्ञान — विषयेन सह	

	<p>प्रहेलिका: ( केवलं पठनाय )</p>	<p>अपठित –अनुच्छेदाः</p>	<p>घटकानां ज्ञानं, संरक्षणम् उपयोगिता च ।</p> <p>गद्यांशं पठित्वा प्रश्नोत्तरं दातुं समर्थाः भवन्तु ।</p>	<p>एकीकृतम्–पर्यावरणस्य महत्त्वस्य ज्ञानम् ।</p>	
जनवरी	<p>फ्रांसदेशे देवभाषा संस्कृतभाषा</p>	<p>चित्र–वर्णनम्</p>	<p>विदेशेषु संस्कृतस्य महत्त्वं गौरवम् उपयोगिता च ।</p> <p>चित्राणि दृष्ट्वा वाक्यानां निर्माणम् ।</p>	<p>हिन्दी – विषयेन सह एकीकृतम्– संस्कृतभाषायाः अन्तर्राष्ट्रीय–उपयोगितायाः ज्ञानम् ।</p>	
फरवरी	<p>वार्षिक–परीक्षायै पुनरावृत्तिः</p>				

## SUBJECT : FRENCH

Textbooks: Apprenons Le Francais 4 (Coursebook) & Cahier D'exercise (Workbook)

MONTH	LESSON	LEARNING OBJECTIVES	GRAMMAR	INNOVATIVE PEDAGOGY / ACTIVITIES WITH ART INTEGRATION	LEARNING OUTCOMES
April	L — 0. Que savez-vous de la France L —1. Une boum	<ul style="list-style-type: none"> <li>• Sentence formation</li> <li>• Talk about people</li> <li>• Tell a story</li> <li>• Call somebody</li> </ul>	<ul style="list-style-type: none"> <li>• Articles</li> <li>• Conjunctions</li> <li>• Possessive adjectives</li> <li>• Adverbs of quantity</li> <li>• Irregular verbs</li> <li>• Cardinal numbers</li> </ul>	<ul style="list-style-type: none"> <li>• Role play among friends (planning a party)</li> </ul>	Students will be able to form sentences, describe somebody and tell a story.
May	L — 2 Jeanne d'arc	<ul style="list-style-type: none"> <li>• Describe a person</li> <li>• Talk about family</li> <li>• Tell a story</li> <li>• Professions</li> </ul>	<ul style="list-style-type: none"> <li>• Negation</li> <li>• Adverbs</li> <li>• Nouns</li> <li>• Adjective 'tout'</li> </ul>	<ul style="list-style-type: none"> <li>• Talk about their family</li> </ul>	Students will be able to describe somebody and tell a story.
July	L — 3. La vie d'un mannequin  L — 4. On voyage	<ul style="list-style-type: none"> <li>• Description of a typical day</li> <li>• Negative</li> <li>• Time</li> <li>• Talk about travelling</li> <li>• Make a reservation</li> <li>• Make an identity card</li> <li>• Directions</li> <li>• Modes of transport</li> <li>• French railways</li> </ul>	<ul style="list-style-type: none"> <li>• Interrogation</li> <li>• Negative expressions</li> <li>• Pronominal verbs</li> <li>• Interrogative adverbs</li> <li>• Prepositions</li> </ul>	<ul style="list-style-type: none"> <li>• Talk about one's daily routine through pronominal verbs</li> </ul>	Students will be able to describe their typical day, form sentences in negative using negative expressions, tell time, talk about travelling, make a reservation and ask directions.
August	L— 5. Bon voyage	<ul style="list-style-type: none"> <li>• Talking in past tense</li> </ul> Clothes, tissues & materials	Past tense with 'avoir'	<ul style="list-style-type: none"> <li>• Students to make a PPT on different types of industries.</li> </ul>	Students will be able to describe a past event.
September	Revision For Half Yearly Exam				

October	L — 6. Des nouvelles de Lyon	<ul style="list-style-type: none"> <li>• Tell a story in past tense</li> <li>• Write a letter</li> </ul>	<ul style="list-style-type: none"> <li>• Past tense with 'être'</li> <li>• Transitive and intransitive verbs</li> </ul>		Students will be able to tell a story in past tense and write a letter.
November	L — 7. Bon appétit	<ul style="list-style-type: none"> <li>• Recipe</li> <li>• Grocery-bakery-market shopping etc</li> <li>• Food &amp; specialized food stores</li> </ul>	<ul style="list-style-type: none"> <li>• Negative expressions in past tense</li> <li>• Imperative</li> </ul>	<ul style="list-style-type: none"> <li>• Inquiring/questioning in a food store (role play)</li> </ul>	Students will be able to tell recipe of a dish and do shopping at different places.
December	L — 8. Des invitations  L— 9. Aneesh partira bientôt	<ul style="list-style-type: none"> <li>• Message writing</li> <li>• Inviting someone (accepting/refusing an invitation)</li> <li>• Story in past tense</li> <li>• Talk about future</li> <li>• Sports and hobbies</li> <li>• Expressions of time</li> <li>• Festivals</li> </ul>	<ul style="list-style-type: none"> <li>• Past tense with pronominal verbs</li> <li>• Futur simple</li> <li>• Expressions with être &amp; avoir</li> </ul>	<ul style="list-style-type: none"> <li>• Previous day description using passé composé (pronominal verbs)</li> </ul>	Students will be able to write messages, invite somebody, talk about their future, talk about their leisure activities and use expressions of time.
January	L-10. La météo	<ul style="list-style-type: none"> <li>• Time</li> <li>• Description of a city</li> <li>• Describing a season</li> </ul>	<ul style="list-style-type: none"> <li>• Futur proche</li> <li>• Recent past</li> </ul>		Students will be able to describe their city and their favorite season.
February	Revision For Final Exam				


## ART INTEGRATED PROJECT

Chapter	Que savez-vous de la France
Subject Integrated	French, Social Science and IT
Learning Objectives	Students will be able to describe different types of industries in French language.
Description	Students to make a PPT on different types of industries.

## SUBJECT : MATHEMATICS

Month	Topic	SUB TOPICS	INNOVATIVE PEDAGOGIES	LEARNING OUTCOMES
April	Squares and Square Roots  Cubes and Cube Roots	Square numbers and their properties. Patterns. Various methods of finding square root of whole numbers and decimal numbers. Pythagorean Triplets.  Cubes and Cube roots of numbers Estimating Cube roots.	<b>LAB ACTIVITY:</b> <ul style="list-style-type: none"> <li>Patterns.</li> <li>Various methods of finding square roots, and cube roots</li> </ul> <b>AUDIO-VISUAL AIDS:</b> Smart class modules <b>EXTRA WORKSHEETS:</b> Khan Academy	<b>Students would be able to-</b> Perform various operations on square roots Comprehend and analyze the word problems involving square roots Visualize operations between square roots by division method Generalize shortcuts to perform various operations in square roots. Comprehend and analyze the word problems involving cube roots and square roots.
May	Powers and Exponents  Visualising Solid Shapes(Activity oriented)	Laws of Exponents Powers with negative Exponents Small numbers in standard form. Number in generalized form Polyhedron, sand Platonic Solids Euler's Formula	<b>LEARNING BY DOING METHOD:</b> Students collect various data from neighboring classes. <b>LAB ACTIVITY:</b> To make a polyhedron, cuboids, a cylinder and a triangular prism by drawing its net. <b>AUDIO-VISUAL AIDS:</b> Smart class modules <b>EXTRA WORKSHEETS:</b> Khan Academy	<b>Students would be able to-</b> Organizing the data. Judging the best way of finding the area by measuring using thread. Solve problems with integral exponent. Finding powers and exponents using different data. Construct solid shapes from paper by drawing it's net. Verify Euler's relational pattern
July	Rational numbers  Algebraic Expressions and Identities	Properties of rational numbers Additive Identity and Additive Inverse Multiplicative Identity and Multiplicative Inverse  Representation of rational numbers on a number line Rational numbers between two rational	<b>QUIZ ON THE CONCEPT:</b> Before starting the exercise take as many quizzes and oral tests as possible to make sure that the students have adapted the new terminology. <b>ART INTEGRATED ACTIVITY/LAB ACTIVITY:</b> To make Bamboo Bridge Model using sticks and connect your model with graph of <b><math>f(x)=x^2</math></b> .	<b>Students would be able to-</b> Generalizes properties of addition, subtraction, multiplication and division of rational number through patterns Plot rational numbers on number line. Finds out as many rational numbers as possible between two given rational number Multiplies algebraic expression  <b>Students would be able to-</b> Uses various algebraic identities in solving problem of daily life.



		<p>numbers. Basic operations on Algebraic Expressions Identities and their Applications.</p>	 <p><b>LAB ACTIVITY:</b> Solution of a given linear equation by paper cutting &amp; pasting. <b>AUDIO-VISUAL AIDS:</b> Smart class modules <b>EXTRA WORKSHEETS:</b> Khan Academy</p>	<p>Find the value of required multiplicative identity and multiplicative inverse. Solve simple equation in one variable and multiplies algebraic expression.</p>
August	<p>Understanding Quadrilaterals</p> <p>Comparing Quantities</p>	<p>Polygons Properties of parallelogram</p> <p>Percentage Profit and Loss, Discount Sale Compound Interest Application of compound interest</p>	<p><b>DEDUCTIVE METHOD:</b> Through various examples generalize the laws of quadrilaterals and comparing quantities.</p> <p><b>LAB ACTIVITY :</b> To verify that sum of all the interior angles of a quadrilateral is <math>360^\circ</math> by paper cutting and pasting. Generalise the formula of compound interests through repeated use of simple interest. <b>AUDIO-VISUAL AIDS:</b> Smart class modules <b>EXTRA WORKSHEETS:</b> Khan Academy</p>	<p><b>Students would be able to-</b> Illustrate angle sum property and exterior angle property of parallelogram and triangle</p> <p><b>Students would be able to-</b> Applies the concept of percent in profit and loss situation in finding discount and compound interest finds profit or loss percent. Finds formula of compound interest with the help of simple interest Applies the idea of percentage, profit loss and simple interest in her/his daily life.</p>
September	Revision for Term 1 Examination			

October	<p>Direct and Inverse Variations</p> <p>Practical Geometry</p>	<p>Direct Variation and its application Inverse Variation and its application</p> <p>Construction of Quadrilaterals.</p>	<p><b>DEDUCTIVE METHOD:</b> Finding the ratio of</p> <p><b>LAB ACTIVITY:</b> To find the area of a circle by paper cutting and pasting.</p> <p><b>AUDIO-VISUAL AIDS:</b> Smart class modules</p> <p><b>EXTRA WORKSHEETS:</b> Khan Academy</p>	<p><b>Students would be able to-</b> State the definition of direct and inverse proportions Construct different quadrilateral using compasses and straight edge.</p> <p><b>Students would be able to-</b> Construct rectangle, square using compasses and straight edge</p>
November	<p>Data handling</p> <p>Linear Equations in one variable</p>	<p>Organizing and grouping data Graphical Representation Probability</p> <p>Solving Equations. Simplifying word problems</p>	<p><b>FIELD WORK:</b> Taking the students to the school ground and garden to collect few things which they find beautiful and attractive. Pointing that those objects are actually symmetrical. Appreciate the beauty of symmetrical objects.</p> <p><b>LAB ACTIVITY:</b> Conduct activities related to throwing a large number of identical dice/ coins together and aggregating the result of the throws to get probability.</p> <p><b>AUDIO-VISUAL AIDS:</b> Smart class modules</p> <p><b>EXTRA WORKSHEETS:</b> Khan Academy</p>	<p><b>Students would be able to-</b> Represents 3 D shapes on a plane surface such as sheet of paper, graphical representation of grouped and ungrouped data Calculating probability of an event in various situations</p> <p><b>Students would be able to-</b> Makes hypotheses on chances of future events on the basis of its earlier occurrences or available data like, after repeated throws of dice and coins</p>
December	<p>Factorisation</p> <p>Introduction to Graphs</p>	<p>Factorisation of polynomials by taking common factors</p> <p>Factorisation using Identities.</p> <p>Cartesian system</p> <p>Linear Graphs.</p>	<p><b>LAB ACTIVITY:</b> Collect any five pairs of factorisation which are based on formulas and paste them in maths lab manual.</p> <p><b>AUDIO-VISUAL AIDS:</b> Smart class modules</p> <p><b>EXTRA WORKSHEETS:</b> Khan Academy</p>	<p><b>Students would be able to-</b> Identify the identity in two polynomials.</p> <p><b>Students would be able to-</b> Finds factorisation between two quantities. Solve problems using unitary method, represents linear equation graphically</p>

January	<p>Mensuration</p> <p>Perimeter and area of trapezium, General Quadrilateral, Special Quadrilaterals, Polygons, Total, lateral and curved Surface Area of cube, cuboids and cylinder Volume of cube, cuboids and cylinder</p> <p>Number puzzles and games Divisibility test rules</p> <p>Playing with numbers (Activity oriented)</p>	<p><b>RELATING THE CONCEPT TO THE REAL LIFE:</b> Discussing the shopping experiences of students during festive sale.</p> <p><b>LAB ACTIVITY:</b> Create a poem to memorize formulas.</p> <p><b>AUDIO-VISUAL AIDS:</b> Smart class modules</p> <p><b>EXTRA WORKSHEETS:</b> Khan Academy</p>	<p><b>Students would be able to-</b> Calculate the area and Volume Calculate surface area and volume of cylinder and cuboid</p> <p><b>Students would be able to-</b> Producing formulas and rules using algebraic expressions to find volume and area</p>
February	Revision for Final Examination		

**SUBJECT : SCIENCE**

<b>MONTHS</b>	<b>CHAPTER</b>	<b>LEARNING OUTCOMES</b>	<b>SUB TOPICS</b>	<b>INNOVATIVE PEDAGOGY</b>	<b>ACTIVITIES</b>
April	1.Crop Production and Management  3. Synthetic fibers and plastic	Crop plants, Agricultural Practices, Food Production from Animals.  <b>Natural fibres, Cotton, wool, Silk, Lenin, flex Synthetic fibres like Rayon, Nylon, Polyester etc.</b>	To make them aware about the types of important crops according to their sessions.  <b>To help them in distinguishing natural and synthetic fiber</b>	Interactive class discussion about types of crop plants. Learning agricultural practices <b>Art Integration</b>	To separate damaged seed from good one. Make a list of the crops and classify them into Rabi and Kharif crops.  <b>Make a Power point presentation on the various skills of obtaining fibres and making clothes from natural fibre.</b> Make a list to distinguish between that fibers are biodegradable and non-biodegradable.
May	16. Light(Reflection)	To make them aware about reflection laws of reflection and image formation by using concave and convex lens.	Reflection of light, reflection from a plain mirror, multiple images, dispersion, human eye.	Drawing plane mirror images, calculation of number of images using mirror formula.	Using plain mirror find out the characteristics of image formed. Draw ray diagram to show multiple image

July	8. Cell- Structure and Functions	To make them understand about the structure of cell and functions of their organelles.	Cell shape, unicellular and multicellular, Structure of cell, Difference between plants and animal cell	Drawing cell structure and labelling of various cell organelles.	To study animal cell and plant cell with the help of slides
	4. Metals and non-metals	To develop skill to learn properties of metals and non-metals and their uses.	Metals, Non-metals, Chemical properties of metals, the reactivity series uses of metals, uses of non-metals,	Tabulating physical and chemical properties with most important and exceptional properties.	To show the oxidation reaction of magnesium. To show the reaction of sodium with water
	13.Sound	To make them understand about terms used in explaining sound and its characteristics.	Vibration, Musical Instrument. Characteristics of sound range of sound. How is sound produced? Noise pollution and its preventive measures.	Using tuning fork in producing sound vibrations and characteristics of sound using frequency app.	To show that sound travel fastest in solids. To show that sound needs medium to travel

August	<p>12. Friction</p> <p>10. Reaching the age of adolescence</p> <p>17. Refraction of light</p>	<p>To help them in understanding about causes of friction and ways to reduce the friction.</p> <p>To make them update about changes during adolescence in their body called secondary sexual changes.</p> <p><b>To making them comfortable about the image formation by convex and concave lenses. To make them in understanding about types of defects.</b></p>	<p>Causes of friction, Types of friction, Friction by liquids and gases,</p> <p>Changes during puberty, Sex determination secondary sexual characters reproductive health, Hormones other than sex organs</p> <p><b>Refraction through glass slab, Prism, Image formation through lens. The visually Impaired.</b></p>	<p>Hands on activities to produce friction, reduce friction and decrease friction.</p> <p>Discussion in the class on "Maintaining good health during adolescence.</p> <p><b>To show refraction in various art forms like sketches, posters, shapes design etc.</b></p> <p><b>Understanding concept and causes of defects of the eye.</b></p>	<p>To show that rolling friction is less than limiting friction. To demonstrate that sliding friction is greater than rolling friction.</p> <p>Draw the graph of average probable height of a boy /girl to its age. A discussion in the class on "Maintaining good health during adolescence"</p> <p><b><u>ART INTEGRATION</u></b>  <b>To show refraction through glass slab</b>  <b>To show refraction through prism</b>  <b>To form images by convex and concave lens</b></p> <p><b>Dance forms can be used to show various external structure of eye.</b></p>
September	Revision for TERM I				
October	<p><b>7. Conservation of plants and animals.</b></p> <p>7. Coal and Petroleum</p>	<p><b>To make them research on the types of category of rare and endanger species.</b></p> <p>To help them in defining and understanding origin and processing of coal and petroleum.</p>	<p><b>Biodiversity, Endemic species, Conservation of wildlife, protected area, Flora and fauna Project tiger</b></p> <p>Formation of coal, Formation of petroleum, occurrence</p>	<p><b>Discussion and debate of the types of species.</b></p> <p>Understanding about the topic with diagrams and discussion and debate.</p>	<p><b>To prepare a list of wild life Sanctuaries and National parks.</b></p> <p>To discuss in the class" CNG as an eco-friendly fuel. To mark the places on map, where coal and oil refineries are located in India.</p>

	9. Reproduction in animals	To make them understood about the concept of various types of reproduction in human and in different animals.	of petroleum, Natural gas.  Sexual reproduction in animals, Reproduction in human beings, Development of Embryo, asexual reproduction cloning.	Discussion in the class on various types of reproduction and drawing diagram.	To study the slide of budding of yeast hydra. Make a list of viviparous and oviparous animals.
November	5. Microorganisms: Friend and Foe  15. Some natural phenomenon.	To make them understand about the structure of microorganism their usefulness and harmful effects.  To make them understand about the charges and their properties and to make them comfortable to learn about earthquake and the precautions taken during lightning and earthquake.	Habitat of microorganism , bacteria, viruses, algae, Fungi, Protozoa, Disease causing microorganism,  Charge and uncharged bodies, Behavior of charged bodies, types of charge bodies, lightning and thunder, earthquake.	Understanding about the topic with diagrams and discussion and debate.  Understanding the properties of charges and their behavior using electroscope. Also to learn the terms used to define the earthquake.	To study the slides of bacteria, algae protozoa etc. To list out the various methods of food preservation.  Collect information about the earthquake frequency for NCR region in the last ten years. Discussion in class on "Safety measures to be taken during Earthquake.
December	6. Combustion and flame  14. Chemical effects of electric current	To develop understanding and leanings about the types of combustion and various zones of flame.  To make them understood about electric current, electric circuit and about the process of electrolysis and its applications.  <b>To recall about the definition of force and</b>	Understanding the nature of combustion, Types of combustion, burning of fuels and harmful effects  Conductivity of electricity by liquids, electrolysis, Electroplating.	Drawing diagrams writing chemical reactions of combustion and composition of various zones of flame.  Introduction about electrodes, electrolytes and about the transfer of electric current through ions.  <b>Understanding the concept with definitions, factors</b>	To show that oxygen is essential for burning To show that dark zone of candle flame consists of unburnt carbon.  To show electroplating of copper on iron nail. To make a list of liquids that conduct electricity.

	11. Force and pressure	its effects. To make then understood about the effects of force, formula of force, numerical on force and to develop skill to apply force and pressure in daily life.	Forces are due to interaction, Different types of forces, Pressure, Pressure in fluids. Atmospheric pressure	and formula, practice of numericals on force and pressure.	<u>Art Integration</u> Role Play showing various types of forces and effect of force can be Organised Various effects and application of pressure and area relation to be dramatized by making small skits. Sports activities like throwing short put, long jump , high jump to be accessed by using the concept of force and pressure.
January	8. Universe  2. Pollution of air and water.	To make them learn and understand about astronomical units and concepts with diagrams. Also to make them practice to calculate about distances from sun and other planets from earth.  To make them study about causes and effects of air and water pollution.	Solar system, moon and its surface, Other member of solar system. Light year satellites etc.  Pollutants, Sources of air pollution, Harmful effect of air pollution .Water pollution,	Drawing shapes of constellations and solving distances of sun, satellites and various planets from earth.  Understanding research and observation of various causes of pollutions.	To observe the various pattern of constellation and make a chart. Discuss in the class "Uses of Artificial Satellite" Collect information on the latest findings of NASA about Solar System. To make a list of air pollutants and their effects on human beings.  To discuss in the class "Harmful effects of water pollution"
February					
Revision for TERM II					
TEXT BOOK:					



## SUBJECT : SOCIAL SCIENCE

MONTHS	UNIT/ CHAPTER	SUB TOPICS	LEARNING OUTCOME	INNOVATIVE PEDAGOGY/ ART INTEGRATION/ INTER DISCIPLINARY APPROACH	MAP WORK / ENRICHMENT ACTIVITY
April	<b>HISTORY</b> <b>How,When and</b> <b>Where</b>  <b>HISTORY</b> <b>From Trade to</b> <b>Territory</b>  <b>SOCIAL AND POL.</b> <b>LIFE</b> The Indian Constitution	<ul style="list-style-type: none"> <li>- How important are the dates</li> <li>- What is colonial</li> <li>- Sources of modern Indian history</li> <li>Official records and surveys</li> <li>- East India company comes east</li> <li>- The battle of plassey and buxar</li> <li>- Annexation policies</li> <li>- Tipu Sultan</li> <li>- The doctrine of lapse</li> <li>- Why a country does needs a Constitution?</li> <li>- The Indian Constitution : Key features</li> </ul>	<p>Familiarise students with the proper order of historical events</p> <p>To learn about the outstanding personalities remembered for their contribution</p> <p>To give an insight into some aspects of the constitution.</p>	<p>Prepare a video using Adobe Spark on the major historical events during the british rule.</p> <p>Diagramatic representation of events in the form of historical timeline</p> <p>Get into groups to research and find out about annexation policies adopted by the British.</p> <p>Prepare a poster and write and speak on the Preamble of the Constitution .</p>	<p>Map work on annexation</p> <p>Map work on annexation</p>

	<b>GEOGRAPHY</b> Resources	<ul style="list-style-type: none"> <li>- Resources-Meaning</li> <li>- Types of resources</li> <li>- Conservation of Resources</li> </ul>	To clear concept on resources their meanings types and importance.	Make a pictographic poster on the different types of resources.	
May	<b>HISTORY</b> Ruling the countryside	<ul style="list-style-type: none"> <li>- Major land revenue settlements</li> <li>- Crops for Europe</li> <li>- Indigo cultivation: methods and problems</li> <li>- The "Blue Rebellion" and After</li> </ul>	To understand that British Raj established their strong hold on Indian land through the system of zamindars who exploited the poor peasants.	Debate and Group Discussion	SUMMER- BREAK HOLIDAY H.W. Students to prepare a pocket guide on managing natural and man-made disasters.
	<b>SOCIAL AND POL. LIFE</b>  <b>Secularism</b>	<ul style="list-style-type: none"> <li>- Secularism and the Indian Constitution.</li> <li>- Why is it important to separate religion from the state?</li> </ul>	To provide knowledge on one of the most crucial pillar to support democracy.	Role play on real life situations based on casteism.	Poster on Secularism
	<b>GEOGRAPHY</b> Land,soil, water, natural vegetation and wildlife resources	<ul style="list-style-type: none"> <li>- Land use and conservation Factors of soil formation</li> <li>- Degradation of soil and conservation measures Problems of water availability and conservation</li> <li>- Distribution of natural vegetation</li> <li>- Conservation of natural vegetation and wildlife</li> </ul>	To offer an elaborate view of natural resources	Creating slideshows or power point presentations  Discussion and debate of the types of species.	Diagram: Soil profile  Map work related to the chapter
J July	<b>HISTORY</b> Tribals, Dikus and the Vision of a Golden Age	<ul style="list-style-type: none"> <li>- Tribal lifestyles in the 19th cent.</li> <li>- Impact of colonial rule on tribals</li> <li>- Birsa Munda</li> </ul>	To throw light into the various tribal movements and uprisings brought on by the exploitations of the British rule	Role play on the life of tribals in India	

	When People Rebel 1857 and After	<ul style="list-style-type: none"> <li>- Causes of the revolt</li> <li>- Outbreak of the revolt</li> <li>- Reasons for its failure.</li> <li>- Outcome of the revolt</li> </ul>	To understand the events that mark the beginning of the people's uprising	Storyboarding for step by step memorization or visualization	Map work on important centres of revolt.
	<b>SOCIAL AND POL. LIFE</b> Why do we need a Parliament?	<ul style="list-style-type: none"> <li>- Why should people decide?</li> <li>- The role of the Parliament</li> <li>- Who are the people in Parliament?</li> </ul>	To provide the required knowledge on Parliament and how it is considered the single most crucial pillar to support democracy	Brainstorming session on differences bwtween Lok sabha and Rajya Sabha	
Aug	<b>HISTORY</b> Colonialism and the city	<ul style="list-style-type: none"> <li>- Shahjahanabad</li> <li>- Making of New Delhi</li> </ul>	To understand how the British Raj began in India	Presentation of extracts from books or old photographs of the period under study	Collage of Old Delhi/ New Delhi
	<b>SOCIAL AND POL. LIFE</b> Understanding Laws	<ul style="list-style-type: none"> <li>- Do laws apply to all?</li> <li>- How do new laws come about?</li> <li>- domestic violence</li> </ul>	Understand the laws of the country,their importance and how they are made	Make a pictographic poster on an issue that ails our society.	Design a poster on gender equality.
	Judiciary	<ul style="list-style-type: none"> <li>- Unpopular and Controversial laws.</li> <li>- The role of the Judiciary.</li> <li>- What is an Independent judiciary?</li> <li>- Structure of courts in India</li> <li>- Different branches of legal system</li> </ul>	To understand about the body of government responsible for making and upholding laws for smooth and unbiased functioning of the democratic system	Legal procedures should not involve a lot of money and paper work:Discuss and debate	
	<b>GEOGRAPHY</b> Minerals and Power Resources	<ul style="list-style-type: none"> <li>- Types of minerals</li> <li>- Distribution of minerals: world &amp; India</li> <li>- Uses of Minerals</li> <li>- Conservation of Minerals</li> <li>- Power Resources: Conventional and Non-Conventional</li> </ul>	To learn about valuable minerals and places where they are found	Puzzles , games and quiz	Map dictation on: World distribution of Iron, copper, bauxite, mineral oil and coal

Sept	REVISION FOR HALF YEARLY				
Oct	<b>HISTORY</b> Civilising the 'Natives', Educating the Nation.  Weavers, Iron Smelters and Factory Owners	<ul style="list-style-type: none"> <li>- The tradition of Orientalism</li> <li>- System of Education in Pre British period</li> <li>- The agenda for a National Education: Gandhi and Tagore's views on Education</li> </ul> Indian textile industry and its problems <ul style="list-style-type: none"> <li>- Sword of Tipu Sultans</li> <li>- TISCO</li> </ul>	To understand how the British people viewed Indian education and forced a change towards a more westernized system  To know about the two industries i.e textiles and iron and steel that were forerunners of industrial revolutions	Compare and contrast between the gurukul system and the modern school system.  Diagrammatic representation of events in the form of historical timeline	
	<b>SOCIAL AND POL. LIFE</b> Understanding our criminal justice system	<ul style="list-style-type: none"> <li>- Role of Police</li> <li>- Role of the Public Prosecutor</li> <li>- Role of the Judge</li> <li>- What is Fair trial?</li> </ul>	To understand the role of a public prosecutor, judges and fair trial	Role play on a court scene.	
	<b>GEOGRAPHY</b> Agricultural practices	<ul style="list-style-type: none"> <li>- Farm system</li> <li>- Types of farming</li> <li>- Major crops</li> <li>- Agricultural development</li> <li>- A farm in USA &amp; India</li> </ul>	To know about all different types of farming and resources that are obtained from agricultural activities	Preparing a collage on a farm in USA and India	Map work on - World distribution of arable land
Nov	<b>HISTORY</b> Women, Caste, and reforms  <b>SOCIAL AND POL. LIFE</b>	<ul style="list-style-type: none"> <li>- Working towards change</li> <li>- Caste and Social reform.</li> <li>- Major Reformers and reform movements</li> </ul>	To understand the various social reforms on caste and women brought on by British Raj	Preparing a bulletin board on social reformers of India	

	Understanding Marginalisation	<ul style="list-style-type: none"> <li>- Who are Adivasis?</li> <li>- Adivasis and development</li> <li>- Minorities and Marginalisation</li> </ul>	To understand the idea of social exclusion and its ill effects on society at large	Discuss and debate: Why do we need safeguards for minorities?	
	Confronting Marginalisation	<ul style="list-style-type: none"> <li>- Invoking Fundamental Rights</li> <li>- Laws for the marginalised</li> <li>- Protecting the rights of Dalits and adivasis</li> <li>- Articles 15 &amp; 17</li> <li>- Adivasis demands and the 1989 Act</li> </ul>	Understand the ways in which our government has provisioned for the safety and survival of the marginalised groups		
	<b>GEOGRAPHY</b> Industries	<ul style="list-style-type: none"> <li>- Classification of industries</li> <li>- Factors affecting location of industries</li> <li>- Industrial system</li> <li>- Distribution of major industries</li> </ul>	To understand about the types, classification and location of industries in India	Discover the changes caused by the industrial revolution	Map work-World's industrial regions
Dec	<b>HISTORY</b> The making of the National Movement : 1870s-1947	<ul style="list-style-type: none"> <li>- The emergence of nationalism</li> <li>- The growth of Mass Nationalism.</li> <li>- Advent of Mahatma Gandhi</li> <li>- The Rowlatt Satyagraha</li> <li>- Khilafat agitation and non-cooperation movement</li> <li>- The March to Dandi</li> <li>- Quit India and later</li> </ul>	To know about the reforms that were brought by the British government which led to the start of nationalism	Write ups followed by a brief discussions	
	<b>SOCIAL AND POL. LIFE</b> Public Facilities	<ul style="list-style-type: none"> <li>- Water and the people of Chennai</li> <li>- Water : Right to life</li> <li>- Public facilities</li> <li>- The government's role</li> </ul>	To understand the concept and importance of public facilities provided by the government	Find out the various kinds of taxes people pay to the government by talking to a salaried person and share your findings.	



## **SUBJECT: MUSIC (Vocal)**

<b>S NO</b>	<b>MONTH</b>	<b>CONTENT</b>
1	April-May	Prayer song Alankar Sargam practice Definition of Music
2	July-September	National Song " Vande Mataram" & "Saare jahan se Achha" name of song writer and his words. Krishna Bhajan Types of Instruments
3	October- December	Baapu Prarthna (Vaishnav Jana to) Swachhata Geet Ram bhajan Chacha Nehru song Christmas song New Year song
4	January-March	Patriotic song Saraswati Vandana Vasant Lok geet Sargam Geet Environment Song Pradeep Pallavi TGT Music

## SUBJECT: DANCE

### TEXT BOOKS:

### VIII A & B

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.



## VIII C AND D

### Co-Scholastic Subjects

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

### First Cycle

#### Monthly Plan

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

	-6 DIFFERENT CHALI OF CHHAU DANCE  ➤ BASIC STEPS OF FOLK DANCES	THEORY  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.  ➤ STUTENTS 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.

### Third Cycle

#### Monthly Plan

MONTH	TOPICS	THEORY/PRACTICAL/ACTIVITY	LEARNING OUTCOMES
OCTOBER	<ul style="list-style-type: none"> <li>➤ BASIC KNOWLEDGE ABOUT CREATIVE DANCE</li> <li>➤ DURGA STUTI (CREATIVE STYLE)</li> <li>➤ ANNUAL DAY PREPARATION</li> </ul>	<ul style="list-style-type: none"> <li>➤ THEORY</li> <li>➤ PRACTICAL</li> </ul>	Students will be able to- -Understand the basic concept of creative dance.  -Develop expressions and body movements through durga stuti dance.  -THEME BASED
NOVEMBER	<ul style="list-style-type: none"> <li>➤ DIWALI FESTIVAL OF LIGHTS / ANNUAL DAY</li> </ul>	<ul style="list-style-type: none"> <li>➤ PRACTICAL</li> </ul>	-Know about the various dance forms like Diwali dance
DECEMBER	<ul style="list-style-type: none"> <li>➤ CHRISTMAS &amp; NEW YEAR DANCE</li> </ul>	<ul style="list-style-type: none"> <li>➤ PRACTICAL</li> </ul>	-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	<ul style="list-style-type: none"> <li>➤ FOLK ITEM OF CHHAU DANCE (KALCHAKRA)</li> </ul>	<ul style="list-style-type: none"> <li>➤ PRACTICAL</li> </ul>	Students WILL KNOW ABOUT THE TAAL & THE TRADITIONAL FORM OF CHHAU DANCE
FEBRUARY	<ul style="list-style-type: none"> <li>➤ FOLK DANCE</li> </ul>	<ul style="list-style-type: none"> <li>➤ PRACTICE</li> </ul>	-Understand about the INDIAN FOLK DANCE .
MARCH	<ul style="list-style-type: none"> <li>➤ REVISION WORK (EXAM)</li> </ul>	<ul style="list-style-type: none"> <li>➤ PRACTICAL</li> </ul>	

#### Parameters of Assessment / Grading

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

## SUBJECT: VISUAL ART

MONTH	TOPIC	SUB TOPICS	LEARNING OUTCOMES	INNOVATIVE PEDAGOGY/ART INTEGRATION/INTER DISCIPLINARY APPROACH	ACTIVITY/ PRACTICAL/ PROJECT
APRIL	Concept of Art	Colour symbolism Drawing from observation Line and Space (Pg 3-10)	Making basics of drawing a learning tool to help students open up their mind in being active learner and improve their cognitive skills	Create awareness about the art education as a pedagogical tool to deeper learning	Using pencil and water colour observe the space and balance it, make an abstract drawing using lines and shape
MAY	BASICS OF ART	2D and 3D shapes Colour Harmony Light, shade and shadow Perspective 3 point perspective (Pg 11-19) Holiday Assignment Silhouette Drawing (Pg 22)	Learning the basics and taking ahead to create or doodle patterns which will help them in reviewing elements and basic geometry.	Integration with Mathematics (Geometry)	Doodle using lines, shapes (2D and 3D) by pencil and water colour and apply the knowledge of light and shade as well Color theory and harmony exercises Silhouette Drawing Composition exercise
JULY	STILL LIFE STUDY	Proportion Drawing and shading Light and space (Pg 21-27)	Understanding the basics and implement them in object drawing and learn to handle different mediums	Implementing Art as a pedagogical tool in classroom	Still life objects study and drawing using colour pencil
AUGUST	NATURE STUDY and DRAWING	Drawing and rendering of leaves Rendering of tree trunk (Pg 28-33)	Use the basics of drawing skills and understanding as a learning tool	Nature study, drawing and medium demonstration will be given for better understanding and implementation for the final outcome	Different objects of nature drawing using water colour and apply the knowledge of light, shade and shadow

SEPTEMBER	ANIMAL STUDY and DRAWING	Drawing and rendering of birds and animals (Pg 34-40)	Detail study of animal drawing and learn about the different species	Integration with Science	Different animals and bird drawing and study using water colour and black ink
<b>MID TERM EXAMINATION</b>					
OCTOBER	LANDSCAPE	Rendering of hillside and desert (Pg 41-43) Holiday Assignment Rendering and colouring of seascape (Pg 44)	Integration will strengthen the collaborative teaching and help to understand the topic in a better way	Integration with Science	Outdoor nature drawing using water colour and pencil colours
NOVEMBER	VEHICLES	Drawing and rendering of auto-rickshaw and glider (Pg 45-46)	Using the knowledge gained from the above topics and soft skills to put together and compose the scene by handling different mediums together	Different artists work can be shown as an experimental learning for Pedagogical teaching	Learn the auto-rickshaw and glider vehicle drawing and rendering, make a composition out of them
DECEMBER	HUMAN FORM STUDY	Body parts Human Proportion (Pg 48-50) HOLIDAY ASSIGNMENT Warli Art (Pg 58)	Learning about the different human postures, proportion, different body parts, detail study to bring out the basic human form	Images and videos of different human postures and different artists human form study can be shown	Detail study of human body, and parts using shading pencil, pencil colours Make a drawing on Indian folk Warli Art using poster paints
JANUARY	COMPOSITION	Folk art Vincent Van Gogh (Pg 44-61)	Understanding and implementing the ways in which art is used as a tool of learning	Different artists work can be discussed with students for the development of individual style	Make a composition of Indian folk art keeping in mind space, paper balance, proportion, light, shade and shadow using acrylic colours on canvas
FEBRUARY	<b>ANNUAL EXAMINATION</b>				

## SUBJECT : INFORMATION TECHNOLOGY

**Text Book : Reinventing..... IT Planet Streaming without Buffering (PM Publishers Pvt Ltd)**

MONTH	TOPIC	SUB TOPICS	LEARNING OUTCOMES	INNOVATIVE PEDAGOGIES
APRIL	• <b><u>COMPUTER NETWORK</u></b>	<ul style="list-style-type: none"> <li>• Communication</li> <li>• Computer Network</li> <li>• Network Hardware</li> <li>• Types of Network</li> <li>• Communication Channels</li> <li>• Network Architecture</li> <li>• Network Topology</li> <li>• Protocol</li> </ul>	Students will be able to understand about the different concepts of Networking and Protocols related to Networking	Presentation will be shown in class for explaining the topic
MAY	• <b><u>CLOUD COMPUTING</u></b>	<ul style="list-style-type: none"> <li>• Introduction</li> <li>• Cloud Computing</li> <li>• Google Docs</li> <li>• Google Drive</li> </ul>	Students will be able to corelate Cloud Computing with the present scenario of online teaching, saving and accessing their task on the Cloud. They will also gain knowledge of Google Docs and Google Drive.	Live demonstration of Google Docs and Drive will be given to students for which they can practice simultaneously.
JULY	• <b><u>GOOGLE APPS</u></b>  • <b><u>APP DEVELOPMENT</u></b>	<ul style="list-style-type: none"> <li>• Introduction to Google</li> <li>• For Surfing and Research</li> <li>• For Staying in Touch</li> <li>• For Organising their Stuff</li> <li>• For Working Smartly</li> <li>• For Watching, Listening and Playing</li> <li>• Google Devices</li> <li>• Introduction to App</li> <li>• Android and iOS</li> <li>• Categories of Apps</li> <li>• Developing an App</li> <li>• Types of App</li> <li>• Working with Apps</li> </ul>	<p>Students learn about usage of appropriate and effective usage of Google Apps and the Google Devices in day to day life</p> <p>Students will be able to differentiate between Android and iOS platform and also understand the various categories and types of Apps</p>	<p>Presentation of Google apps using demonstration in the classes</p> <p>Development of App to Solve a Problem</p>

AUGUST	<ul style="list-style-type: none"> <li><b><u>PYTHON - INTRODUCTION</u></b></li> </ul>	<ul style="list-style-type: none"> <li>Programming Language</li> <li>Character set/Tokens/Data Types</li> <li>Defining Input/ Output in Python</li> <li>Error Handling</li> <li>Programs in Python</li> </ul>	Students will learn logic development, programming skills and basics of coding using Python	Programming in Python. Students to exhibit their work and demonstrate the coding in Practical class.
SEPTEMBER- OCTOBER	<ul style="list-style-type: none"> <li><b><u>PYTHON CONTROL STRUCTURES</u></b></li> </ul>	<ul style="list-style-type: none"> <li>Control Structures</li> <li>Conditional Control Structures</li> <li>Loop Control Structures</li> <li>Break Statement</li> <li>Continue Statement</li> </ul> <div>HALF YEARLY EXAMINATION</div>	Students learn about the use of control structures, loop conditions, break statements.	Demonstration of usage Control structures and conditional statements.
NOVEMBER	<ul style="list-style-type: none"> <li><b><u>INKSCAPE – VECTOR DESIGNING</u></b></li> </ul>	<ul style="list-style-type: none"> <li>Inkscape- Introduction</li> <li>Working with Objects &amp; Curves</li> <li>Selecting Fill colours</li> <li>Drawing shapes &amp; defining outlines</li> <li>Zooming In and Out</li> <li>Creating Text</li> </ul>	Students will be able to understand how to work on Inkscape and using tools in Inkscape. Working with curves and Project on Saving and drawing Different shapes in Inkscape. Working with curves and Project on Saving and drawing Different shapes in Inkscape.	Students will be preparing a Symbol of WI-Fi signal using Inkscape
DECEMBER	<ul style="list-style-type: none"> <li><b><u>MS-ACCESS- CREATING A DATABASE</u></b></li> </ul>	<ul style="list-style-type: none"> <li>Database</li> <li>Microsoft Access</li> <li>Starting Access 2016</li> <li>Creating a Blank Database</li> <li>Creating a New Table</li> <li>Adding New Records to a Table</li> </ul>	Students will get a concept of Database and its relevance in software development.	<b>Art Integration Activity:</b> <b>Prepare a vector image using Tools in Inkscape on Pollution caused by Industries in India.</b> Hands on learning with a live demonstration of creating a database and setting properties. Students to exhibit their task by sharing the screen.
JANUARY	<ul style="list-style-type: none"> <li><b><u>MS ACCESS TABLES &amp; FORMS</u></b></li> </ul>	<ul style="list-style-type: none"> <li>Working with a Database Table</li> <li>Filtering Data</li> <li>Creating Relationship between Tables</li> <li>Creating Forms</li> </ul>	Students will get a clear understanding of the importance of Forms and Reports and how to set relationship between tables.	Practical Demonstration of Activity for creating Tables and Forms.

FEBRUARY	<ul style="list-style-type: none"> <li><b><u>MS ACCESS QUERY &amp; REPORT</u></b></li> </ul>	<ul style="list-style-type: none"> <li>The Query</li> <li>Creating a Query</li> <li>Understanding Query Options</li> <li>Using Criteria in Query</li> <li>Sorting Data in a Query</li> </ul>	Students will be able to create a Query based on a criteria and sort the same	Practical Demonstration and explanation of Query and Report on a given table.
MARCH	<b>ANNUAL EXAMINATION</b>			

## SUBJECT : ARTIFICIAL INTELLIGENCE

MONTH	CHAPTER	SUB TOPICS	INNOVATIVE PEDAGOGIES	LEARNING OUTCOMES	AI LAB ACTIVITY
March/ April	Introduction to AI	Excite Introduction to AI Three Domains of AI	Worksheet 1- Identify domains of Artificial Intelligence based on (Computer Vision) images of some experiments/Apps/Games	After completion of the unit, learners will be able to describe: The relation and application of AI in their daily life	Teachable Machine
May	Introduction to AI	Domains of AI- Computer Vision, Natural Language Processing  Types of AI Artificial Narrow Intelligence Artificial General Intelligence	Worksheet 2- Identify domains of Artificial Intelligence based on (data) images of some experiments/Apps/Games		Rock, Paper & Scissor
July	Introduction to AI	Relate Data Science Datasets	Worksheet 3- Identify domains of Artificial Intelligence based on (Natural Language Processing) images of	Identify the 3 domains of AI	Google Assistant Activity- Based on Data –Semantris



			some experiments/Apps/Games		
August	Introduction to AI	Purpose Sustainable Development Goals Social Issues may be Interlinked and Integrated across SDGs Using AI to help Achieve SDGs	Go Goals Activity Art Integrated Activity- Data Visualization	Learners will be able to identify and develop awareness for SDGs using AI solutions	AI Project Cycle- Data Visualization
September	Introduction to AI	Possibilities AI in daily life Uses of AI in our daily life	Quiz	Learners will be able to describe and explore the application of AI in different fields and various industries	Activity- LUIS
October		<b>Ethics</b>	Group Discussion on AI Ethics	Learners will be able to describe some ethical concerns of AI with respect to inclusion, bias, and privacy	
November	AI Project Cycle	Steps of AI Project Cycle Problem Scoping Data Acquisition Data Exploration Modelling Evaluation	Group Discussion on Kimchi – Rising Prices	After completion of the AI project cycle learners will be able to: Describe, explain and apply the different stages in project cycle Enquire about and state the problem for the project cycle and create a system map	Loopy
December	Neural Network	Artificial Neural Network- Deep Learning	Case Study- Sports Integrated Activity	Learners will be able to develop an understanding of Neural Networks	

January	Introduction to Python Programming	Python Basics	Programming through Colabs	Learners will be able to write programs in Python	
February	Revision				

**\*Art Integrated Activities**

**1.Topic:** AI Project Cycle- SDGs

Chapter Topic	AI Project Cycle
Subject integrated	Maths and Visual art.
Art form integrated	Sketching on graphs
Learning objectives	<ul style="list-style-type: none"> <li>Analyzing the data</li> <li>Understanding of dataset</li> <li>Visualization of Data</li> </ul>
Procedure	<ol style="list-style-type: none"> <li>Selecting the SDG topic</li> <li>Applying AI Project Cycle</li> <li>Downloading the dataset</li> <li>Analyzing the dataset</li> <li>Data Visualization of SDG problem stated</li> </ol>

**2. AI Project Cycle**

Topic	Kimchi- Rising Prices
Subjects integrated.	Maths, Science and Visual art.
Art form integrated	
Learning objectives	<ul style="list-style-type: none"> <li>Predicting the prices</li> <li>Analyzing the data</li> <li>Understanding of dataset</li> <li>Visualization of Data</li> </ul>

Procedure	1. AI Project Cycle to Kimchi – Rising Prices Applying AI Project Cycle Downloading the dataset Analyzing the dataset Data Visualization
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### 3. Sports Integrated activity

Chapter	Neural Network
Subject integrated	Maths, Sports and Visual art.
Learning Objectives	How to select student for sports team
Procedure	Applying Neural Network

### Art Integrated Project work under Ek Bharat Shrestha Bharat Programme

Topic of the project	AI Project Cycle on SDG
Subjects integrated	Maths, Art and Social Studies
Time duration	August
Learning Objectives	<ul style="list-style-type: none"> <li>Analyzing the data</li> <li>Understanding of dataset</li> </ul> Visualization of Data
Basic Knowledge of the project:	1. Selecting the SDG topic 2. Applying AI Project Cycle 3. Downloading the dataset 4. Analyzing the dataset Data Visualization of SDG problem stated
Knowledge of the terms:	Data Visualization
About the activity	Sustainable Development Goals
Project Presentation	Presentation of the data collected could be through PPT or by video.