



CBSE Affiliation No.  
3430369

# DELHI PUBLIC SCHOOL

CHAS, BOKARO

TERM AND MONTH-WISE SPLIT-UP SYLLABI OF CLASS – IX FOR THE SESSION 2024-2025

**SUBJECT : ENGLISH**

**Text Book :** 1. BEEHIVE TEXTBOOK  
2. MOMENTS-SUPPLEMENTARY READER  
3. WORDS AND EXPRESSIONS- WORK BOOK

Month	WD	Chapter/Sub-Topics	Key Terms and Concept	Art Integration	Project / Practical	Research Work Blended Learning
APRIL	23	BEEHIVE 'THE FUN THEY HAD'	<p>The Fun They Had is that of education.</p> <p>The theme of the story is the universality of a child's desire for everything that he claps his eyes.</p> <p>The story set in future, when books and schools as we now know them will perhaps not exist. the students will explore how then they study them on.</p>	Integrated to computer subject . About computers how are they useful .	<p>Make a project on ' The Multitudinous impact of Blended Learning'.</p> <p>Make some abstract painting on a canvas or a graffiti.</p>	Organize a survey in school within the teachers and understand the Merits and Demerits of online education.
		MOMENTS 'THE LOST CHILD'	<p>With happiness and excitement a child goes with his parents , displayed toys and sweets watered his desire. his parents refuse his urge to buy them.</p> <p>How anxiety and insecurities grasp us in absence of dear once</p>	Make a Power Point Presentation on a fair and mention all the elements that you think closes the snap between your childhood and adolescence.	Make a greeting card on the theme of village fair.	Write a Diary Entry on a visit to spring Fair..
		POETRY 'THE ROAD NOT TAKEN'	The main theme of "The Road Not Taken" is that <b>life is full of choices which will define our destinies</b> . The speaker spends a while deliberating when he comes to a fork in the road, which symbolizes a choice he must make in his life.	Write an article on "National Dream : My son / daughter is gonna be a Doctor or an Engineer".	Draw a poster highlighting the dilemma the poet is talking about in the poem. Even u can make some abstract painting on a canvas or a graffiti.	Make a project on "Peer Pressure".
MAY	10	BEEHIVE 'THE SOUND OF MUSIC'	The chapter is divided into two parts. Both deal with the aspects of music and the legendary musicians who achieved excellence in their respective fields.	Ted Talks of different celebrity to understand the mentality of a visionary	Children should be encouraged to use dictionary to find out the meaning of difficult terms.	Why is diamond found in the mines of coal. Correlate the above question with real life and answer take reference of any personality who is your source of inspiration to

						continuously keep going.
<b>JUNE</b>	<b>15</b>	<b>MOMENTS</b> <b>‘THE ADVENTURES OF TOTO’</b>	The story is based on the experiences of people who keep animals as pets. The theme thus deals with the outcome of the interaction between humans and animals. It shows that not all animals can adapt themselves to the human way of life.	Integrated to social Studies knowing about the apes.	understand your own Thesaurus chapter - wise for the words you find difficult words	Make a project on different types of monkeys found in India along with their Scientific name, places where they are found and food that they consume with a picture.
		<b>POETRY</b> <b>‘WIND’</b>	The theme of this poem is that even when you face a lot of hardships and obstacles in life, you should never give up, instead you should befriend those obstacles. Just like the poet, who tries to befriend his hardship, the wind so that it may help him instead of harming him.	Integrated through Geography they understand the different types of wind movements	Personify Wind and write an autobiography.	Make a project based on air pollution
<b>JULY</b>	<b>25</b>	<b>BEEHIVE</b> <b>‘THE LITTLE GIRL’</b>	The Little Girl is a young child's point of view about her father. Children take time to understand the actions of their elders. Till such time, they may look upon their parents with negativity and fear. However, as kids grow older, their attitude towards their parents undergoes a change.	How did the meaning of numbers change every year in your school. Make a report highlighting the change in approach and priority of a child who is completely propelled with the materialistic desires and internet.	Listen a story through a video and narrate it in own words	Make a family tree and jot down the responsibilities of every member.
		<b>MOMENTS</b> <b>‘ISWARAN THE STORYTELLER’</b>	Story telling brings language learning alive and creates a participatory and immersive experience that allows Young Learners to enjoy hearing the language in a dynamic, sometimes	Discuss with your friends the qualities of a good storyteller	Write an article on “Rain - An Agent who Rejuvenates”	Create a story of your own with some elements of supernatural existence

			stylistic and entertaining way			
		<b>POETRY</b> <b>'RAIN ON THE ROOF'</b>	. understand the nature; interpret the thoughts that flashed in their mind while they see rain  Participation using key vocabulary and phrases can create an awareness of rhythm and structure.	Write a poetry of your own based on nature	Students will try to understand the components of water with the help of science teacher.	On the basis of monsoon how has the forests been divided on India.
		Tense , determiners, modals	Differentiate between past present and future tense.  Correctly use the present into past , past into present and future.			
<b>AUG</b>	<b>23</b>	<b>BEEHIVE</b> <b>'A TRULY BEAUTIFUL MIND'</b>	Science should be solely devoted to the promotion of worldwide peace and prosperity	Is it easy to handle professional and domestic life side by side.	Make a project on Einstein's contributions in the field of Physics.	Why do people imagine of heaven when one can make it? Elaborate.
		<b>POETRY</b> <b>'THE LAKE OF ISLE OF INNISFREE'</b>	The poet's longing for the peace and tranquillity of Innisfree, a place where he spent a lot of time as a boy.  The lyrical understanding helps students to hold the mood of the poem	Students will understand the symbols		Students will seat still and out of silence try to find out the what their mind is saying
		<b>MOMENTS</b> <b>'IN THE KINGDOM OF FOOLS'</b>	How can introspection and retrospection help an individual to lead a peaceful life.	What will be our stand if you get into such situation similar to that of the disciple?	Role Play  Peace is a Mirage. Write an article on this topic	
		<b>Descriptive writing</b>	Know the objective why they are describing something  Students will learn keen observation skill.	Students will asked to write any historical event.	Describe a day in your school library	Describe their surroundings
<b>SEPT</b>	<b>12</b>	<b>BEEHIVE</b> <b>THE SNAKE AND THE MIRROR</b>	A powerful lesson in the vulnerable trans formative journey of life, thus, comes from the snake. You must learn to let go of things that do not serve your purpose	Make a project on the endangered species of reptile.	Draw a poster on "Love Animals as They do Deserve to Live".	

			anymore. Whether its relationships, a person, a job, or memories. It is going to be the hardest step, but it will be the most important.			
		<b>POETRY</b> <b>'A LEGEND OF THE NORTHLAND'</b>	A Legend of the Northland' teaches us a strong moral principle that we should never be selfish and think of others too. The poem teaches us to be generous and to help the needy if we are capable of doing so.	Students can connects these legends with events of history.	Go to the local library or talk to older persons in your locality and find legends in your own language.	The poem Legend of the Northland beautifully highlights this truth. People who are greedy not only worsen other's problems and sufferings, but also attract untold misery for themselves
<b>OCT</b>	<b>16</b>	<b>BEEHIVE</b> <b>'MY CHILDHOOD'</b>	This story highlights the virtues of kindness and pity towards others. It also talks about sacrifice towards others	Integred to history. Life study of the Abdul Kalam	Write a Biography on "APJ ABdul Kalam".	Make a clay idol of a swallow.  ..
		<b>MOMENTS</b> <b>'THE HAPPY PRINCE'</b>	. The Happy Prince could have retained his precious stones on his body and retained his glory. But he decided to give them all away to help the poor and needy.	Integrated history	Emerald, Ruby and Sapphire are some rare stones. Make a project on their geographical locations where they are found?	The central idea is greed and selfishness can result in serious complications. Greed is considered to be a cardinal sin
<b>NOV</b>	<b>17</b>	<b>BEEHIVE</b> <b>'REACH FOR THE TOP'</b>	"Reach for the Top" conveys the message that one must set one's eyes on the stars and strive hard to achieve the goal through hard work, determination, and constant and persistent efforts.	Art integred to PHE	Project on camping and hiking	
		<b>MOMENTS</b> <b>'THE LAST LEAF'</b>	Instead of complaining against the ills in society, one can dare to change the systems and shape one's own destiny.	Art Integrated to Art education		
		<b>POETRY</b> <b>'NO MEN ARE FOREIGN'</b>	The poet conveys the message of universal brotherhood through the poem. He says that the people living in other parts of the world are like us in many ways.	Geography try to understand borders and partitions	Make a project on Different cultural , religion,food habits of the countries	
<b>DEC</b>	<b>22</b>	<b>BEEHIVE</b>	Kathmandu is particularly	Art integred	Write an article on "	we learn that we

		<b>‘KATHMANDU’</b>	famous for its religious monuments. Various temples, monasteries, and stupas adorn the city's landscape, particularly the Pashupatinath Temple and the Changu Narayan which are famous for their stunning, intricate religious artworks.	To geography learn to find the country on the map and important places.	Kathmandu’  Project Poster Making on ‘save our tree’	must all try and maintain the purity and serenity of the holy places and practice thoughtful actions.
		<b>MOMENTS</b> <b>‘A HOUSE IS NOT A HOME ‘</b>	This story reflects the challenges of being a teenager, and the problems of growing up. The author drives home the message that life without affection is useless. Her feelings of depression and insecurity were natural when she thought that she had lost everything.		A family show report writing	The poet conveys the message of love, kindness and unity through the poem A House, A Home. According to him, a house is a lifeless structure. It may have many beautiful and costly things, it may be strong and attractive, but it does not mean anything until a loving and caring family lives in it.
		<b>POEM</b> <b>‘ON KILLING A TREE’</b>	The poem On Killing A Tree is that cutting of trees by humans is wrong. These trees are a part of nature which keeps our earth healthy. Cutting them will destroy the nature and thus the whole world. And when nature is destroyed, humans will also be destroyed.	Art Integrated to Social science learn about importance of tree and its uses		To appreciate a poem dedicated to trees. To explain the importance of trees in today's world. To understand the conservation of the environment. To infer the meanings of 'idioms on trees'.
<b>JAN</b>	<b>19</b>	<b>BEEHIVE</b> <b>‘IF I WERE YOU’</b>	To enable the students to draw their attention to the stage setting, stage directions, description of the characters, their movements, gestures and tonal variations.	Story telling	Write characteristic of an intruder	Role play
		<b>MOMENTS</b> <b>‘THE BEGGAR’</b>	The Beggar by Anton Chekhov we have the theme of change, dishonesty, alcoholism, kindness, compassion, desperation, struggle, selflessness and gratitude	Art integrated to Economics_ topic Poverty	Project on making a pie-chart or Graph of poverty line of the year 2020 to 2022	Debate on Indian Economics

		<p><b>POEM</b></p> <p><b>‘A SLUMBER DID MY SPIRIT SEAL’</b></p>	<p>In the poem A Slumber Did My Spirit Seal the poet says that grief over the death of his beloved has left him numb and that human fears no longer affect him. But he realises the reality of life after her death and through this realization he has now attained peace.</p>	<p>Art Integrated to social science</p>		<p>The theme of a poem is the message an author wants to communicate through the piece. The theme differs from the main idea because the main idea describes what the text is mostly about</p>
<b>FEB</b>	<b>07</b>	<b>REVISION</b>				

**SUBJECT : HINDI**

**Text Book :** 1. KSHITIJ PART-1  
2. KRITIKA PART-1  
3. VYAKARAN NIDHI

Month	WD	पाठ	संबंध और विचार	कला समेकित	परियोजना कार्य	मिश्रित शिक्षण प्रणाली
APRIL	23	क्षितिज—(गद्य खंड)— दो बैलों की कथा (काव्य खंड)— कबीर की साखियाँ व्याकरण— उपसर्ग एवं प्रत्यय कृतिका—इस जल प्रलय में	किसान और पशुओं के बीच परस्पर संबंध निर्गुणभक्ति का भाव शब्द रचना जन सामान्य का व्यवहार	बैलों के चित्र बनाना	कहानी का नाट्य रूपांतरण	स्वतंत्रता सेनानियों के नामों का संकलन
				कबीरदास का चित्र बनाकर उनकी जीवनी लिखना शब्द विचार प्राकृतिक आपदा के समय सावधानी	कबीरदास का चित्र बनाना शब्द रचना ग्रामीण परिवेश का चित्रण	भक्तिकाल के अन्य रचनाओं का ज्ञान शब्द रचना व परिवर्तन 1930, 1047 0 1967के दशक की बाढ़ की तुलना
MAY	10	अपठित गद्यांश तथा काव्यांश, अनुच्छेद लेखन व पत्र लेखन संवाद लेखन	समझ व विश्लेषण की योग्यता संवाद का परिचय	वैचारिक निर्णय संवाद लेखन शैली का विवरण	अनुच्छेद लेखन संवाद लेखन का अभ्यास	लेखन व विचार संबंधी ज्ञान संवाद का परिचय
JUNE	15	क्षितिज—(गद्य खंड)— लहासा की ओर (काव्य खंड)— वाख। व्याकरण— समास एवं उसके प्रकार,	तिब्बत की सामाजिक व्यवस्था परिस्थितियों का जीवन पर प्रभाव	तिब्बत की ग्रामीण परिवेश का ज्ञान कविता का सस्वर पाठ	पर्वतीय परिवेश का चित्रण ललद्यद की चित्र सहित जीवनी	रुढ़िवादी विचारों का खंडन भक्तिकाल के अन्य कवियों के विचार
JULY	25	क्षितिज—(गद्य खंड)— उपभोक्तावाद की संस्कृति लेखन—लघुकथा लेखन। (काव्य खंड)— रसखान के सवैये कृतिका—मेरे संग की औरतें कृतिका—मेरे संग की औरतें	प्रदर्शनपूर्ण दिखावा विचारों का वर्णन समर्पण का भाव लेखिका की नानी का आजाद—ख्याल लेखिका की नानी का आजाद—ख्याल	लघुकथा लेखन का प्रारूप बनाना श्रीकृष्ण का चित्र सहित वर्णन विभिन्न महिलाओं के विचारों का वर्णन विभिन्न महिलाओं के विचारों का वर्णन	लघुकथा लेखन करना सवैया छंद की गीतमयता एवं लालित्य स्वाभाविक चित्रण स्वाभाविक चित्रण	वैचारिक तर्क शक्ति विकसित करना भावों की सरल एवं सहज स्वाभाविक अभिव्यक्ति पीढ़ियों में जीवन शैली में अंतर पीढ़ियों में जीवन शैली में अंतर
AUG	23	क्षितिज—(गद्य खंड)— साँवले सपनों की याद क्षितिज—(काव्य खंड)—कैदी और कोकिला व्याकरण—शब्दालंकार— अनुप्रास, यमक अर्थालंकार—उपमा, रूपक। कृतिका— रीढ़ की हड्डी	व्यक्तित्व पर आधारित एक व्यक्ति चित्र गुलामी परिवेश का चिंतन पर प्रभाव अलंकारों का परिचय रुढ़िवादी विचारों का खंडन	संस्मरण का वर्णन ब्रिटिश शासन के प्रति आक्रोश प्रकट करना चित्र द्वारा अलंकारों का विवरण एकांकी का नाट्य—मंचन	साँवले सपनों का महत्व कैदियों की दुर्दशा का वर्णन अलंकारों के विभिन्न भेदों का प्रदर्शन अंधविश्वासों का खंडन व साहसी व्यक्तित्व	सलिम अली का पक्षी—प्रेमी व्यक्तित्व भाव—अभिव्यक्ति चिंतन और लेखन अलंकारों के भेदों का परिचय अधिकारों के प्रति जागरूकता
SEPT	4+ 14	क्षितिज—(काव्य खंड)— ग्राम—श्री (पुनरावृत्ति)	प्राकृतिक सुषमा का वर्णन (पुनरावृत्ति)	प्राकृतिक परिस्थितियों का प्रभाव (पुनरावृत्ति)	लहलहाती फसलों का वर्णन (पुनरावृत्ति)	फसलों से लदी रोमांचित वसुधा का चित्रण (पुनरावृत्ति)

<b>OCT</b>	16	(गद्य खंड)– प्रेमचंद के फटे जूते (गद्य खंड)– प्रेमचंद के फटे जूते व्याकरण– समास एवं उसके प्रकारों का अभ्यास (काव्य खंड)– मेघ आए (पुनरावृत्ति)	प्रेमचंद व जन सामान्य के विचारों की भिन्नता प्रेमचंद व जन सामान्य के विचारों की भिन्नता संगतकार हमारी आवश्यकता (पुनरावृत्ति)	रचनाकार की पैनी सामाजिक दृष्टिकोण रचनाकार की पैनी सामाजिक दृष्टिकोण आग व सूर्य का चित्र द्वारा वर्णन (पुनरावृत्ति)	प्रेमचंद का चित्र सहित जीवन परिचय प्रेमचंद का चित्र सहित जीवन परिचय उन क्षेत्रों का वर्णन जहाँ संगतकार की जरूरत है (पुनरावृत्ति)	समाज की कुरीतियों का वर्णन समाज की कुरीतियों का वर्णन संस्कृति और सभ्यता का स्वरूप (पुनरावृत्ति)
<b>NOV</b>	17	(गद्य खंड)–मेरे बचपन के दिन	छात्र–जीवन के अनुभवों की अभिव्यक्ति	छात्रावास जीवन पर अपने विचार	भारतीय समाज में स्त्रियों की वास्तविक स्थिति	आत्मविश्वास वृद्धि में सहपाठियों की भूमिका
		(काव्य खंड)–बच्चे काम पर जा रहे हैं।	बच्चों से बचपन छीन लिए जाने का वर्णन	सामाजिक आर्थिक विडंबना	मनुष्य का संवेदनशून्यता चिंता का विषय	बच्चों से बचपन छीन लिए जाने की विडंबना
		(गद्य खंड)–मेरे बचपन के दिन	छात्र–जीवन के अनुभवों की अभिव्यक्ति	छात्रावास जीवन पर अपने विचार	भारतीय समाज में स्त्रियों की वास्तविक स्थिति	आत्मविश्वास वृद्धि में सहपाठियों की भूमिका
		(काव्य खंड)–बच्चे काम पर जा रहे हैं।	बच्चों से बचपन छीन लिए जाने का वर्णन	सामाजिक आर्थिक विडंबना	मनुष्य का संवेदनशून्यता चिंता का विषय	बच्चों से बचपन छीन लिए जाने की विडंबना
<b>DEC</b>		(पुनरावृत्ति)				
<b>JAN</b>		(पुनरावृत्ति)				



**विषयः : संस्कृतम्**

पुस्तकानि : निर्धारितपुस्तकानि ----

पाठ्यपुस्तकम् मणिका प्रथमो भागः (रा प्र परि शै .अनु ) रा .अन प्र परि

अभ्यासपुस्तकानि मणिका प्रथमो भागः अभ्यासपुस्तकम् (रापरि .प्र .अनु .शै ..)

सहायकपुस्तकानि

1. प्रायोगिकसंस्कृतव्याकरणम् प्रथमो भागः -- डा. परमानन्दगुप्त
2. सरस्वती मणिका संस्कृतव्याकरणम् प्रथमो भागः हरिओऽम् शास्त्री
3. संस्कृतसहचर आचार्य राधामोहन उपाध्याय श्री घनश्याम पाण्डेय

Month	WD	Chapter/ Sub-Topics	Key Terms and Concept	Art Integration	Project / Practical	Research Work Blended Learning
	NOP					
अप्रैल	23	मणिकातः				
		प्रथमः पाठः अविवेकः परमापदां पदम्	व्यवहारिकज्ञानम्	विवेकस्य प्रयोगः कथं कुर्यात् अस्योपरि कथानिर्माणम्	विवेकस्य प्रयोगः एका कथालेखनं कुरु ।	गद्यात्मकपाठाभ्यासः पदपरिचयः, शब्दार्थः अनुवादकार्यम्
		व्याकरणतः				
		संस्कृतवर्णमाला	शब्द परिचयः लेखनम् पदपरिचयः च	संस्कृतवर्णमालायाः स्वरैः सह सुलेखलेखनम्	संस्कृतवर्णमाला याः चार्ट माध्यमेन प्रदर्शयतु ।	व्याकरणज्ञानम्, वाक्यनिर्माणं च।
		वर्णसंयोजनं वर्णवियोजनं च।	शब्द परिचयः लेखनम् पदपरिचयः च	सुलेखलेखनम्	वर्णसंयोजनं वर्णवियोजनं माध्यमेन स्वपरिवारस्य सदस्यानां नामानि लेखनम् ।	व्याकरणज्ञानम्, वाक्यनिर्माणं च।
		उच्चारणस्थाना नि।	पदपरिचयः च	उच्चारणस्थानानि संगीतसाधनैः तालिका माध्यमेन	उच्चारणस्थानता लिका चार्ट माध्यमेन प्रदर्शयतु ।	व्याकरणज्ञानम्, वाक्यनिर्माणं च।
		स्वरसन्धिः दीर्घ -, गुण, वृद्धि, यण, अयादि।	शब्द परिचयः लेखनम्	गणितविषयेन सह मेलनम्	स्वरसन्धिः चार्ट माध्यमेन प्रदर्शयतु ।	सन्धिज्ञानम् च।
		अपठित अवबोधनं, चित्रवर्णनम्, संवादलेखनम् च।	पदपरिचयः च	कलाविषयेन सह मेलनम्	एकं चित्रवर्णनम्, संवादलेखनम् कुरु।	व्याकरणज्ञानम्, वाक्यनिर्माणं च।
मई	10	मणिकातः				
		मणिकातः द्वितीयः पाठः पाथेयम्	व्यवहारिकज्ञानम्	गीतशिक्षकेन सह	पाठ्ये श्लोकान पठित्वा अन्वये	गद्यात्मकपाठाभ्यासः पदपरिचयः, शब्दार्थः अनुवादकार्यम्

					पूर्ति: कर्तव्या।	
जून	15	मणिकातः				
		तृतीयः पाठः विजयतां स्वदेशः।	व्यवहारिकज्ञानम्	इतिहास शिक्षकेन सह मेलनम्	महाराणाप्रतापभा माशाहस्य विषये ज्ञानार्जनम् विषये ज्ञानार्जनम् कृत्वा अनुच्छेदम् लिखतु।	गद्यात्मकपाठाभ्यासः पदपरिचयः, शब्दार्थः अनुवादकार्यम् श्लोकाधारेण अन्यश्लोकनिर्माणम्
		व्याकरणतः				
		धातुरूपाणि पठ् -, अस्, कृ, पा, (परस्मैपदि पञ्चलकारेषु( सेव रुच्, याच् आत्मनेपदि) (लट्लृटलकारयोः नी, ह, भज्, पच् (उभयपदिनः) अनुवादार्थ- अस् -- धातुरूपाणि, कृ, कुध्, लिख्, हस्, क्रीड्, पत्, वद्, पा(पिब्), चल्, स्था,(तिष्ठ्), नम्, गम्, कथ्, चिन्त्, (परस्मैपदि पञ्चलकारेषु( सेव रुच्, याच् आत्मनेपदि) (लट्लृटलकारयोः नी, ह, भज्, पच् (उभयपदिनः)	शब्द परिचयः लेखनम् पदपरिचयः च	हिन्दी- इंगलभाषाभ्यां सह लनम्	धातुरूपाणां( पठ्, अस्, कृ, पा, परस्मैपदि ) चार्ट माध्यमेन प्रदर्शयतु।	व्याकरणज्ञानम्, वाक्यनिर्माणं च।
		मणिकातः				
		चतुर्थः पाठः विद्या भान्ति सद्गुणाः।	व्यवहारिकज्ञानम्	-----	विद्यायाः महत्त्वम् विषये अनुच्छेदम् लिखतु।	गद्यात्मकपाठाभ्यासः पदपरिचयः, शब्दार्थः अनुवादकार्यम्
		व्याकरणतः				
जुलाई	25	शब्दरूपाणि पुल्लिङ्गशब्दरूपाणि अकारान्तबालकवत् -, इकारान्तमुनियत् -, उकारान्त साधुवत् - -ऋकारान्त	शब्द परिचयः लेखनम् पदपरिचयः च	हिन्दी- इंगलभाषाभ्यां सह लनम्	पुल्लिङ्गशब्दरू पाणि चार्ट माध्यमेन प्रदर्शयतु।	अनुवादकार्यम्

		पितृवत्। स्त्रीलिङ्गशब्दरूपाणि आकारान्तलतावत् - ईकारान्त नदीवत् - - ऋकारान्त मातृवत्। नपुंसकलिङ्गशब्दरू पाणि अकारान्त - फलवत्, इकारान्त - वारि				
		चित्रवर्णनम्, अनुवादः (लङ्लकारे) कारकपरिचयः (द्वितीयातः चतुर्थीपर्यन्तम्)	शब्द परिचयः लेखनम् पदपरिचयः च	पदनिर्माणम्	पञ्च अनुवादकार्यम्, संस्कृतभाषायाः कुरु।	व्याकरणज्ञानम्, वाक्यनिर्माणं च।
		संख्या 1-100 पर्यन्तम् ( 1-4 केवलं प्रथमा विभक्तौ)	शब्द परिचयः लेखनम् पदपरिचयः च	पदनिर्माणम्	संख्या (1-100) चार्टे माध्यमेन प्रदर्शयतु।	व्याकरणज्ञानम्, वाक्यनिर्माणं च।
अगस्त	23	मणिकातः				
		पञ्चमः पाठः - कर्मणा याति संसिद्धिम्	व्यवहारिकज्ञानम्	न्या कथा माध्येन	कथा सरित्सागरः पठित्वा एकः कथा लिखतु।	गद्यात्मकपाठाभ्यासः पदपरिचयः, शब्दार्थः अनुवादकार्यम्
		षष्ठः पाठः तत् त्वम् असि।	व्यवहारिकज्ञानम्	न्या कथा माध्येन	महर्षिः आरुणिः जीवनपरिचयं ज्ञात्वा लिखतु।	गद्यात्मकपाठाभ्यासः पदपरिचयः, शब्दार्थः अनुवादकार्यम्
		व्याकरणतः				
		प्रत्ययप्रयोगाः -क्त्वा, तुमुन्, शत्, ल्यप्।	शब्द परिचयः लेखनम्	पदनिर्माणम् प्रत्ययै सह दपरिचयः	प्रत्ययाः प्रयोगः पञ्च उदाहरणं लिखतु।	व्याकरणज्ञानम्, वाक्यनिर्माणं च।
		उपपदविभक्तिप्रयोगाः- द्वितीयापरितः -, उभयतः, अभितः, सर्वतः, समया, निकषा, प्रति, विना, धिक्। तृतीया - /समम्/साकम्/सह सार्धम्, विना, अलम्,	पदपरिचयः	पदनिर्माणम्	कारकउपपदविभ क्त्याः चार्टे माध्यमेन प्रदर्शयतु।	व्याकरणज्ञानम्, वाक्यनिर्माणं च।

		विना, सदृश, हीनअङ्गविकारे।/ चतुर्थीकुप् -, रुच्, दा(यच्छ), नमः, स्वाहा। अनुवादः लोट्लकारे।				
		व्यञ्जनसन्धिः वर्गीयप्रथमवर्णस्य तृतीयवर्णं परिवर्तनम् म् (जश्त्वसन्धिः) स्थाने अनुस्वारः	शब्द परिचयः लेखनम् पदपरिचयः च	गणितविषयेन सह मेलनम्	व्यञ्जनसन्धिः चार्टे माध्यमेन प्रदर्शयतु।	सन्धिज्ञानम्
		<b>अव्ययानि</b> स्थानबोधकानि --- अत्र, तत्र, अन्यत्र, सर्वत्र, यत्र, एकत्र, उभयत्र कालबोधकानि - यदा, तदा, सर्वदा, एकदा, पुरा, अधुना, अद्य, श्वः, ह्यः प्रश्नबोधकानि - किम्, कुत्र, कति, कदा, कुतः, कथम्, किमर्थम्। अन्यानि - च, अपि, यदि, तर्हि, यथा, तथा, सम्यक्, एव	शब्द परिचयः लेखनम् पदपरिचयः च	हिन्दी- आङ्गलभाषाभ्यां सह मेलनम्	अव्ययीभावस मासस्य प्रयोगः चार्टे प्रदर्शयतु।	अव्ययः परिचयः
सितम्बर	12	अपठित अवबोधनं, चित्रवर्णनम्, संवादलेखनम् च।	शब्द परिचयः लेखनम् पदपरिचयः च	हिन्दी- आङ्गलभाषाभ्यां सह मेलनम्	एकः चित्रस्य वर्णनं कृत्वा संस्कृते पञ्चसु वाक्येषु कुरुत।	पदपरिचयः, अनुवादकार्यम्
		अर्धवार्षिकी परीक्षायाः पु	अर्धवार्षिकी परीक्षायाः पु	अर्धवार्षिकी परीक्षायाः पु	अर्धवार्षिकी परीक्षायाः पु	अर्धवार्षिकी परीक्षायाः पु
अक्तूबर	16	मणिकान्तः				
		सप्तमः पाठः तरवे नमोऽस्तु।	व्यवहारिकज्ञानम्	नाट्यविधिना पाठस्य लयवद्धात्मकया गद्यपद्ययोः वर्णनम्।	वृक्षाणाम् अस्माकं जीवने उपयोगिता चित्र माध्यमेन प्रदर्शयतु। वृक्षस्य तेषां अंगानां नामानि	गद्यात्मकपाठाभ्यासः पदपरिचयः, शब्दार्थः अनुवादकार्यम्

					लिखत यैः सः परोपकारं करोति ।	
		व्याकरणतः				
		अपठित अवबोधनं, चित्रवर्णनम्, संवादलेखनम् पत्रलेखनं च।	शब्द परिचयः लेखनम् पदपरिचयः च	हिन्दी- ।ङ्गलभाषाभ्यां सह लनम्	एकः चित्रस्य वर्णनं कृत्वा संस्कृते पञ्चसु वाक्येषु कुरुत ।	अनुवादकार्यम्
नवम्बर	17	मणिकातः				
		अष्टमः पाठः न धर्मवृद्धेषु वयः समीक्ष्यते।	व्यवहारिकज्ञानम्	कथामाध्यमेन	राजाजनक- आष्टावक्रकथा ज्ञात्वा लिखतु।	गद्यात्मकपाठाभ्यासः पदपरिचयः, शब्दार्थः अनुवादकार्यम्
		व्याकरणतः				
		उपपदविभक्तिप्रयोगाः विना - पञ्चमी -, बहिः, भी, रक्ष्। षष्ठी - अधः, उपरि, पुरतः, पृष्ठतः, वामतः, दक्षिणतः। सप्तमी स्निह् -, विश्वस्, निपुणः, कुशलः,।	शब्द परिचयः लेखनम् पदपरिचयः च	हिन्दी- ।ङ्गलभाषाभ्यां सह लनम्	कारकउपपदविभ क्त्याः (बहिः, भी, रक्ष्) चार्टे माध्यमेन प्रदर्शयतु ।	उपपदविभक्ति परिचयः
		प्रत्ययप्रयोगः क् -, क्तवतु च।	शब्द परिचयः लेखनम् पदपरिचयः च	हिन्दी- ।ङ्गलभाषाभ्यां सह लनम्	प्रत्ययाः (क्त, क्तवतु च) प्रयोगः पञ्च उदाहरणं लिखतु ।	प्रत्ययपरिचयः
दिसम्बर	22	मणिकातः				
		नवमः पाठः कवयामि वयामि यामि।	व्यवहारिकज्ञानम्	गीतशिक्षकेन सह	राजाभोजस्य कथा ज्ञात्वा लिखतु।	गद्यात्मकपाठाभ्यासः पदपरिचयः, शब्दार्थः अनुवादकार्यम्
		दशमः पाठः भारतीयं विज्ञानम्	व्यवहारिकज्ञानम्	कलाशिक्षकेन सह चित्रवर्णनम्	भारतीयविज्ञानस्य महत्त्वम् विषये अनुच्छेदम् लिखतु।	गद्यात्मकपाठाभ्यासः पदपरिचयः, शब्दार्थः अनुवादकार्यम्
		व्याकरणतः				
		संख्यावाचकशब्दानां रूपाणि -एक-द्वि-त्रि- चतुर(त्रिषु लिङ्गेषु)	शब्द परिचयः लेखनम् पदपरिचयः च	गणितविषयेन सह लनम्	संख्यावाचिशब्दरू पाणां चार्टे	संख्यापरिचयः

					माध्यमेन प्रदर्शयतु ।		
		अपठित अवबोधनं, चित्रवर्णनम्, संवादलेखनम् पत्रलेखनं च।	शब्द परिचयः लेखनम् पदपरिचयः च	गणितविषयेन सह लनम्	एकः चित्रस्य वर्णनं कृत्वा संस्कृते पञ्चसु वाक्येषु कुरुत ।	अनुवादकार्यम्	
		विसर्गसन्धिः सन्धिः - उत्त्वम्।	शब्द परिचयः लेखनम् पदपरिचयः च	गणितविषयेन सह लनम्	विसर्गसन्धिः चार्ट माध्यमेन प्रदर्शयतु ।	सन्धिज्ञानम्	
जनवरी	19	मणिकातः					
		एकादशः पाठः भारतेनास्ति मे जीवनं जीवनम्।	व्यवहारिकज्ञानम्	ङ्गीतशिक्षकस्य हायतया	भारतदेशस्य विविधतायाः ज्ञानम् अनुच्छेदम् लिखतु ।	गद्यात्मकपाठाभ्यासः पदपरिचयः, शब्दार्थः अनुवादकार्यम्	
		व्याकरणतः					
		प्रत्ययप्रयोगः शतृ -, शानच् च।	शब्द परिचयः लेखनम्	हिन्दी-ङ्गलभाषाभ्यां सह लनम्	प्रत्ययाः (शतृ, शानच्) पञ्च उदाहरणं	प्रत्ययपरिचयः	
		कारकप्रयोगः कर्ता तु सम्बोधनपर्यन्तम्। पत्रलेखनम् चित्रवर्णनम्, अपठितगद्यांशः च। अशुद्धिसंशोधनम्	पदपरिचयः लेखनम्	हिन्दी-ङ्गलभाषाभ्यां सह लनम्	एकः चित्रस्य वर्णनं कृत्वा संस्कृते पञ्चसु वाक्येषु कुरुत ।	कारकपरिचयः	
		समासाः - अव्ययीभावसमासः, तत्पुरुषः, बहुब्रीहि, द्वन्द्वः च।	शब्द परिचयः लेखनम्	हिन्दीशिक्षकस्य हायतया	समासस्यभेदाः चित्र माध्यमेन प्रदर्शयतु ।	समासपरिचयः	
फरवरी	7	वार्षिकपरीक्षायाः पुनरावृत्तिः, वार्षिकपरीक्षा च।	वार्षिकपरीक्षायाः पुनरावृत्तिः, वार्षिकपरीक्षा च।	वार्षिकपरीक्षायाः पुनरावृत्तिः, वार्षिकपरीक्षा च।	वार्षिकपरीक्षायाः पुनरावृत्तिः, वार्षिकपरीक्षा च।	वार्षिकपरीक्षायाः पुनरावृत्तिः, वार्षिकपरीक्षा च।	

**SUBJECT: MATHEMATICS**

**Text Book: NCERT**

Month	WD / NOP	Chapter/Sub-Topics	Key Terms and Concept	Art Integration	Project / Practical	Research Work Blended earning
APRIL	23	<p><b>Unit I : Number System</b>  <b>REAL NUMBERS</b></p> <p>1. Review of representation of natural numbers, integers, and rational numbers on the number line. Rational numbers as recurring/terminating decimals. Operations on real numbers.</p> <p>2. Examples of non-recurring/non terminating decimals. Existence of non-rational numbers (irrational numbers) such as, <math>\sqrt{2}</math> and <math>\sqrt{3}</math> and their representation on the number line. Explaining that every real number is represented by a unique point on the number line and conversely, viz. every point on the number line represents a unique real number.</p> <p>3. Definition of nth root of a real number.</p> <p>4. Rationalization (with precise meaning) of real numbers of the type <math>\frac{1}{a+b\sqrt{x}}</math> and <math>\frac{1}{\sqrt{x}+\sqrt{y}}</math> (and their combinations) where x and y are natural number and a and b are integers.</p> <p>5. Recall of laws of exponents with integral powers. Rational exponents with positive real bases (to be done by particular cases, allowing learner to arrive at the general laws.)</p>	<ul style="list-style-type: none"> <li>● Classification of numbers</li> <li>● Representation</li> <li>● Real Line</li> <li>● Rationalization</li> <li>● Exponents (<math>n^{\text{th}}</math> root)</li> </ul>	<ul style="list-style-type: none"> <li>● Square Root spiral</li> </ul>	<p>Activity 1 Activity 2</p> <p>Project 1 (Story of <math>\pi</math>)</p>	<p>PPT Group Discussion. Slides Videos animations You tube links, web series</p>

		<p>UNIT II: ALGEBRA 1. POLYNOMIALS : Definition of a polynomial in one variable, with examples and counter examples. Coefficients of a polynomial, terms of a polynomial and zero polynomial. Degree of a polynomial. Constant, linear, quadratic and cubic polynomials. Monomials, binomials, trinomials. Factors and multiples. Zeros of a polynomial. Motivate and State the Remainder Theorem with examples. Statement and proof of the Factor Theorem. Factorization of <math>ax^2 + bx + c, a \neq 0</math> where a, b and c are real numbers, and of cubic polynomials using the Factor Theorem. Recall of algebraic expressions and identities.</p>	<ul style="list-style-type: none"> <li>• Polynomial</li> <li>• Coefficient</li>   <li>• Variable</li>   <li>• Degree of polynomial</li>   <li>• Factors</li>   <li>• Remainders</li>   <li>• Factorization</li> </ul> <p>Identity</p>	<p>Graphical representation of polynomials of degree 1,2 and 3</p>	<p>Art Activity Activity 4 Activity 5 Project 2 (Application of algebra in day-to-day life)</p>	<p>Field Activity (integrated to Physical education) Slides Videos animations You tube links, web series</p>
		<p>. Verification of identities: <math>(x+y+z)^2 = x^2 + y^2 + z^2 + 2xy + 2yz + 2zx</math>. <math>(x \pm y)^3 = x^3 \pm y^3 \pm 3xy(x \pm y)</math> <math>x^3 \pm y^3 = (x \pm y)(x^2 \mp xy + y^2)</math> <math>x^3 + y^3 + z^3 - 3xyz = (x+y+z)(x^2 + y^2 + z^2 - xy - yz - zx)</math> and their use in factorization of polynomials.</p>				



MAY	10	Polynomials (Contd.....)	<ul style="list-style-type: none"> <li>Polynomial</li> <li>Coefficient</li> <li>Variable</li> <li>Degree of polynomial</li> <li>Factors</li> <li>Remainders</li> <li>Factorisation</li> </ul> <p>Identity</p>	Graphical representation of polynomials of degree 1,2 and 3	<p>Art Activity</p> <p>Activity 4 Activity 5</p> <p>Project 2 (Application of algebra in day-to-day life)</p>	<p>Field Activity (integrated to Physical education)</p> <p>Slides</p> <p>Videos animations</p> <p>You tube links, web series</p>
JUNE	15	<p>2. LINEAR EQUATIONS IN TWO VARIABLES: Recall of linear equations in one variable. Introduction to the equation in two variables. Focus on linear equations of the type <math>ax+by+c=0</math></p> <p>Explain that a linear equation in two variables has infinitely many solutions and justify their being written as ordered pair of real numbers, plotting them and showing that they lie on a line.</p> <p>UNIT III: COORDINATE GEOMETRY: The Cartesian plane, coordinates of a point, names and terms associated with the coordinate plane, notations</p> <p>UNIT III: COORDINATE GEOMETRY: (Continued.....)</p>	<ul style="list-style-type: none"> <li>Linear Equation</li> <li>Ordered pair</li> <li>Infinite solutions</li> <li>Co-ordinates</li> <li>Cartesian Plane</li> <li>Notations</li> </ul>	<p>Art through graph (Spider web)</p> <p>Graphing Christmas on cartesian plane</p>	<p>Activity 6 Activity 8 Activity 9</p> <p>Activity 11 Activity 12</p>	<p>PPT</p> <p>Group Discussion</p> <p>Slides</p> <p>Videos animations</p> <p>You tube links, web series</p>
JULY	25	UNIT IV: GEOMETRY 1. INTRODUCTION TO EUCLID'S GEOMETRY : History - Geometry in India and Euclid's geometry. Euclid's method	<ul style="list-style-type: none"> <li>Geometry</li> <li>Notions</li> <li>Axioms</li> <li>Postulates</li> <li>Theorem</li> </ul>	Hyperbolic space diagram (non-Euclidian's geometry)	<p>Activity 13 Activity 14</p> <p>Project 3 (Chronology of Indian</p>	<p>PPT</p> <p>Group Discussion</p> <p>Slides</p> <p>Videos animations</p> <p>You tube links, web series</p>

		<p>of formalizing observed phenomenon into rigorous Mathematics with definitions, common/obvious notions, axioms/postulates and theorems. The five postulates of Euclid. Showing the relationship between axiom and theorem, for example: (Axiom)</p>			Mathematicians with their contribution )	
		<p>1. Given two distinct points, there exists one and only one line through them. (Theorem) 2. (Prove) Two distinct lines cannot have more than one point in common.</p>			Activity 14 Activity 15	
		<p>2. LINES AND ANGLES : 1. (Motivate) If a ray stands on a line, then the sum of the two adjacent angles so formed is <math>180^\circ</math> and the converse. 2. (Prove) If two lines intersect, vertically opposite angles are equal. 3. (Motivate) Lines which are parallel to a given line are parallel.</p>	<ul style="list-style-type: none"> <li>• Transversal</li> <li>• Parallel lines</li> <li>• Adjacent angles</li> <li>• Vertically opposite angles</li> <li>• Alternate interior angles</li> <li>• Co interior angles</li> </ul>	Tangram		
		<p>2. LINES AND ANGLES : 1. (Motivate) If a ray stands on a line, then the sum of the two adjacent angles so formed is <math>180^\circ</math> and the converse. 2. (Prove) If two lines intersect, vertically opposite angles are equal. 3. (Motivate) Lines which are parallel to a given line are parallel.</p>				
<b>AUG</b>	<b>23</b>	<p>3. TRIANGLES : 1. (Motivate) Two triangles are congruent if any two sides and the included angle of one triangle is equal to any two sides and the included angle of the other triangle (SAS Congruence). 2. (Prove) Two triangles are congruent if any two angles and the included side of one triangle is equal to any two angles</p>	<ul style="list-style-type: none"> <li>• Congruent</li> <li>• SSS</li> <li>• ASA</li> <li>• SAS</li> <li>• RHS</li> </ul> <p>complementary and supplementary angles.</p>	Warli Art	Activity 16	<p>PPT Group Discussion Slides Videos animations You tube links, web series</p>

		and the included side of the other triangle (ASA Congruence).				
		3. (Motivate) Two triangles are congruent if the three sides of one triangle are equal to three sides of the other triangle (SSS Congruence). 4. (Motivate) Two right triangles are congruent if the hypotenuse and a side of one triangle are equal (respectively) to the hypotenuse and a side of the other triangle. (RHS Congruence)				
		5. (Prove) The angles opposite to equal sides of a triangle are equal. 6. (Motivate) The sides opposite to equal angles of a triangle are equal				
		<b>CONTINUED.....</b>				
<b>SEPT</b>	<b>12</b>	<b>QUADRILATERALS AND PARALLELOGRAM:</b> 1. (Prove) The diagonal divides a parallelogram into two congruent triangles. 2. (Motivate) In a parallelogram opposite sides are equal, and conversely. 3. (Motivate) In a parallelogram opposite angles are equal, and conversely. 4. (Motivate) A quadrilateral is a parallelogram if a pair of its opposite sides is parallel and equal.	<ul style="list-style-type: none"> <li>• Quadrilateral</li> <li>• Parallelogram</li> <li>• Opposite sides and angles</li> <li>• diagonals</li> </ul>	Tangram/ Number dyslexia	Activity 18	PPT Group Discussion Slides Videos animations You tube links, web series
<b>OCT</b>	<b>16</b>	<b>QUADRILATERALS AND PARALLELOGRAM :</b> (contd...) 5. (Motivate) In a parallelogram, the diagonals bisect each other and conversely.			Activity 19  Project 4 (Deriving	PPT Group Discussion Slides Videos animations You tube links, web series

		<p>6. (Motivate) In a triangle, the line segment joining the mid points of any two sides is parallel to the third side and in half of it and (motivate) its converse.</p>			formula for the area of a cyclic quadrilateral)	
		<p>QUADRILATERALS AND PARALLELOGRAM :CONTINUED.....</p>				
		<p>QUADRILATERALS AND PARALLELOGRAM :CONTINUED.....</p>				
NOV	17	<p><b>CIRCLES:</b> 1. (Prove) Equal chords of a circle subtend equal angles at the center and (motivate) its converse. 2.(Motivate) The perpendicular from the center of a circle to a chord bisects the chord and conversely, the line drawn through the center of a circle to bisect a chord is perpendicular to the chord.</p>	<ul style="list-style-type: none"> <li>• Chords</li> <li>• Segment</li> <li>• Sector</li> <li>• Central angle</li> <li>• Cyclic quadrilateral</li> <li>• Bisect</li> <li>• Arc</li> </ul>	<p>Fine ArtActivity</p> <p>Field-work activity</p>	<p>Activity 21 Project</p>	<p>PPT</p> <p>Group Discussion</p> <p>Slides</p> <p>Videos animations</p> <p>You tube links, web series</p>
		<p>3. (Motivate) Equal chords of a circle (or of congruent circles) are equidistant from the center (or their respective centers) and conversely.</p>				
		<p>4. (Prove) The angle subtended by an arc at the center is double the angle subtended by it at any point on the remaining part of the circle.</p>				
		<p>5. (Motivate) Angles in the same segment of a circle are equal.</p> <p>6. (Motivate) If a line segment joining two points subtends equal angle at two other points lying on the same side of the line containing the segment, the four points lie on a circle.</p>				
		<p>7.(Motivate) The sum of either of the pair of the</p>				

		opposite angles of a cyclic quadrilateral is $180^\circ$ and its converse.				
<b>DEC</b>	<b>22</b>	UNIT V: MENSURATION 1. SURFACE AREAS AND VOLUMES : Surface areas and volumes of cubes, cuboids, spheres (including hemispheres) and right circular cones	<ul style="list-style-type: none"> <li>• Surface area</li> <li>• Volume</li> <li>• Sphere</li> <li>• Hemisphere</li> <li>• Circular cones</li> <li>• Dimension</li> </ul>	Hands on activity		PPT Group Discussion Slides Videos animations You tube links, web series
		UNIT V: MENSURATION 1. SURFACE AREAS AND VOLUMES : CONTINUED.....				
		UNIT V: MENSURATION 1. SURFACE AREAS AND VOLUMES : CONTINUED.....				
		UNIT V: MENSURATION 1. SURFACE AREAS AND VOLUMES : CONTINUED.....				
<b>JAN</b>	<b>19</b>	UNIT VI: STATISTICS & PROBABILITY 1. STATISTICS: Bar graphs, histograms (with varying base lengths), and frequency polygons.	<ul style="list-style-type: none"> <li>• Statistics</li> <li>• Probability</li> <li>• Frequency Polygon</li> <li>• Histogram</li> </ul>	Data analysis (Pictorial representat ion of daily life activities)		PPT Group Discussion Slides Videos animations You tube links, web series
		UNIT VI: STATISTICS & PROBABILITY 1. STATISTICS CONTINUED.....				
		UNIT VI: STATISTICS & PROBABILITY 1. STATISTICS CONTINUED.....				
		UNIT VI: STATISTICS & PROBABILITY 1. STATISTICS CONTINUED.....				
<b>FEB</b>	<b>7</b>	Revision for Annual Examination.				

**SUBJECT : (SCIENCE) - PHYSICS**

**Text Book : 1. N.C.E.R.T**

Month	WD	Chapter/Sub-Topics	Key Terms and Concept	Art Integration	Project / Practical	Research Work Blended Learning
April	23	<b>1. Motion</b> Distance and displacement, Velocity; Uniform and Non-Uniform motion along a straight line; acceleration, distance–time and velocity–time graphs for uniformly accelerated motion	<ul style="list-style-type: none"> <li>Distance and displacement</li> <li>Velocity and acceleration.</li> <li>Uniform and Non-Uniform motion</li> <li>distance–time and velocity–time graphs</li> <li>uniformly accelerated motion</li> </ul>	Mathematics  (Scale of graph/ slope of graph)	Graphical representation of various types of motion.  To plot velocity-Time graph and acceleration.	To find the nature of motion of various object happening in our surrounding.
May	10	<b>Motion (contd.):</b> Numerical on distance – time and velocity –time graphs for uniformly accelerated motion		To plot distance – time graph and find speed.		
June	15	<b>Motion (contd.):</b> Derivation of Equations of motion by graphical/ Mathematical method, elementary idea of uniformly circular motion.	<ul style="list-style-type: none"> <li>Derivation of Equations of motion</li> <li>elementary idea of uniformly circular motion.</li> </ul>	To make a scrap book on equations of motion	Demonstration of uniform circular motion.	
July	25	<b>2. Force and Newton’s Laws of Motion:</b>  Force and motion, Balanced and Unbalanced force. First law of motion, Inertia & Mass. Momentum, force and acceleration., Second law of motion, Third law of motion, Action and Reaction.Laws of conservation of momentum.	<ul style="list-style-type: none"> <li>Balanced and Unbalanced force</li> <li>First law of motion.</li> <li>Inertia &amp; Mass</li> <li>Second law of motion</li> <li>Third law of motion</li> <li>Laws of conservation of momentum.</li> </ul>	Physical Education. Class activity: Tug – of – War. (Balanced and Unbalanced force)	To establish the relationship between weight of a rectangular wooden block using spring balance.	Examine forces acting on a body in order to determine change in body's motion as a consequence of resultant force.
Aug	23	<b>3.Gravitation</b>  Gravitation, Universal law of Gravitation, Free fall body, Force of Gravitation of the earth, acceleration due to gravity, mass and weight, variation of g.	<ul style="list-style-type: none"> <li>Universal law of Gravitation</li> <li>Free fall body.</li> <li>acceleration due to gravity</li> <li>mass and weight</li> <li>Variation of g at different position on the earth.</li> </ul>	Draw a sketch of full moon night with high tides in the ocean.	NA	To establish the relationship between weight of a rectangular wooden block using spring balance.
Sept	07					
Sept + Oct	07/03 16/08	<b>4. Floatation:</b>  Thrust and Pressure. Archimedes’ Principle; Buoyancy; Variation of pressure inside	<ul style="list-style-type: none"> <li>Thrust and Pressure</li> <li>Archimedes’ Principle.</li> <li>force of Buoyancy</li> <li>Variation of pressure inside the liquid</li> <li>Relative Density.</li> </ul>	To draw a ship floating in water of ocean.	Establishing the relation between the loss in weight of a solid when fully immersed in	Interpret the relation between universal constant and acceleration due to gravity.

		the liquid, Elementary idea of Relative Density.			a) Tap water b) Strongly salty water with the weight of water displaced by it by taking at least two different solids.	
Nov	17	<b>5. Work, Energy and Power</b> Work done by a force, 1 Joule, types of work, Kinetic and Potential energy,	<ul style="list-style-type: none"> <li>• Work done by a force</li> <li>• types of work.</li> <li>• Kinetic and Potential energy.</li> <li>• Law of conservation of energy</li> <li>• Rate of doing work (Power).</li> </ul>	Draw a flow chart of various energies involved in it.	To Study the conservation of energy in a hydroelectric power plant.	Judge situations to identify where work is done according to scientific conception and calculate the magnitude of work
Dec	22	<b>5. Work, Energy and Power</b> Law of conservation of energy, Rate of doing work (Power).		Draw a flow chart of various energies involved in it.	To Study the conservation of energy in a hydroelectric power plant.	Get conversant with commercial unit of energy Calculate total energy consumption and determine total cost in households and industries
Jan	19	<b>6. Sound:</b> Nature of sound and its propagation in various media, speed of sound, range of hearing in humans; ultrasound; reflection of sound; echo.	<ul style="list-style-type: none"> <li>• Nature of sound and its propagation</li> <li>• speed of sound.</li> <li>• range of hearing in humans.</li> <li>• Characteristics of sound wave.</li> <li>• reflection of sound; echo</li> </ul>	To make a chart for comparison for various properties of sound.	To find the time period of a simple pendulum.	Find the various application of ultra sound in the field of medical sciences.
Feb	07					

**SUBJECT : (SCIENCE) – CHEMISTRY**

**Text Book : NCERT**

Month	WD / NOP	Chapter/Sub-Topics	Key Terms and Concept	Art Integration	Project / Practical	Research Work Blended learning
APRIL	23	<p><b>Matter in our surrounding:-</b>                      1. Nature of the particles of the matter.                      2. Characteristics of particles of matter  <b>3. Evidences for presence of particles in any matter</b>                      4. Classify matter into solids, liquids and gases based on characteristic properties of the particles in them.                      5. Physical properties of solids, liquids and gases.                      6. Diffusion                      7. Types of diffusion                      8. Can Matter change its state?                      9. Effect of change of pressure and temperature on state of matter                      10. Melting and boiling</p>	<ul style="list-style-type: none"> <li>• Nature of particles</li> <li>• Characteristics of particles of matter</li> <li>• Classification of matter and their properties.</li> <li>• Diffusion</li> </ul> Melting and boiling.	Clay modeling on arrangement of particles of solid, liquid and gas	1. Perform the following reactions and classify them as physical or chemical changes: a) Iron with copper sulphate solution in water. b) Burning of magnesium ribbon in air. c) Zinc with dilute sulphuric acid. d) Heating of copper sulphate crystals. e) Sodium sulphate with barium chloride in the form of their solutions in water.	To investigate applications of plasma state of matter in daily life
MAY	10	<p><b>Matter in our surrounding:- (continued)</b>                      11. latent heat                      12. sublimation and condensation                      13. Scale of temperature</p>	<ul style="list-style-type: none"> <li>• Latent heat of fusion and latent heat of vaporisation</li> <li>• Sublimation and condensation</li> <li>• Scale of temperature.</li> </ul>			
JUNE	15	<p><b>Matter in our surrounding(continued)</b>                      14. Evaporation                      15. Factors affecting the rate of evaporation                      16. NCERT Exercise</p>	<ul style="list-style-type: none"> <li>• Evaporation</li> <li>• Factors affecting the rate of evaporation</li> </ul>	To make evaporation art	.Determination of the melting point of ice and the boiling point of water	Role of steam engine in industrial revolution
JULY	25	<p><b>Is matter around us pure?</b>                      1. Chemical classification of matter                      2. Pure and impure substances                      3. Elements                      4. Types of elements                      5. Properties of metals and non metals                      6. Compounds                      7. Types of compounds                      8. Homogeneous and</p>	<ul style="list-style-type: none"> <li>• Elements</li> <li>• Compounds</li> <li>• Homogeneous and heterogeneous mixture</li> <li>• Solution</li> <li>• Types of solution</li> <li>• Properties of homogeneous and heterogeneous</li> </ul>	Logo design using name of elements	Preparation of: a) a true solution of common salt, sugar and alum b) a suspension of soil, chalk powder and fine sand in water	To investigate the use of metals in different civilisation



		<p>heterogeneous mixture</p> <p>9. properties of homogeneous and heterogeneous mixture</p> <p>10. Solution</p> <p>11. Types of solution</p> <p>12. Concentration of solution</p>	<p>mixture</p> <ul style="list-style-type: none"> <li>• Concentration of solution</li> </ul>		<p>c) a colloidal solution of starch in water and egg albumin/milk in water and distinguish between these based on</p> <ul style="list-style-type: none"> <li>• transparency</li> <li>• filtration</li> <li>• stability</li> </ul>	
<b>AUG</b>	<b>23</b>	<p><b>Is matter around us pure? (continued):</b></p> <p>13. Solubility of solution</p> <p>14. Properties of solution</p> <p>15. Suspension</p> <p>16. Properties of suspension</p> <p>17. Colloidal solution</p> <p>18. Types of colloidal solution</p> <p>19. Properties of colloidal solution</p> <p>20. Physical and chemical changes</p> <p>21. NCERT Exercise</p>	<ul style="list-style-type: none"> <li>• Solubility of solution</li> <li>• Properties of solution</li> <li>• Suspension</li> <li>• Properties of suspension and colloids</li> <li>• physical and chemical changes</li> </ul>	<p>Chromatography</p> <p>Butterfly Craft</p>	<p>4. Preparation of</p> <p>a) A mixture</p> <p>b) A compound using iron filings and sulphur powder and distinguishing between these based on: (i) appearance, i.e., homogeneity and heterogeneity (ii) behaviour towards a magnet (iii) behaviour towards carbon disulphide as a solvent (iv) effect of heat</p>	<p>Application of colloids in medicines</p>
<b>SEPT</b>	<b>12</b>	<b>Revision</b>				
<b>OCT</b>	<b>16</b>	<p>Atoms and Molecules:-</p> <p>1. Atoms and molecules</p> <p>2. Types of molecules</p> <p>3. Homoatomic and heteroatomic molecules</p> <p>4. Atomicity</p> <p>5. Dalton's atomic theory</p> <p>6. Law of conservation of mass</p> <p>7. Law of constant proportion</p> <p>8. Ions</p>	<ul style="list-style-type: none"> <li>• Atoms and molecule</li> <li>• Homoatomic and heteroatomic molecule</li> <li>• Atomicity</li> <li>• Law of conservation of mass</li> <li>• Law of constant proportion</li> <li>• Ions</li> <li>• Dalton' atomic theory</li> </ul>	<p>Poetry- 3 short lines that don't rhyme</p>	<p>Verification of the law of conservation of mass in a chemical reaction.</p>	<p>History of law chemical combination</p>
<b>NOV</b>	<b>17</b>	<p>Atoms and Molecules(continued):-</p> <p>9. atomic and molecular</p>	<ul style="list-style-type: none"> <li>• atomic and molecular mass</li> <li>• formula mass</li> </ul>	<p>Creation of Cross word</p>		<p>What is importance of valency?</p>

		mass 10. Formula mass 11. Chemical formula NCERT Exercise	<ul style="list-style-type: none"> <li>• chemical formula</li> </ul>	puzzle		
<b>DEC</b>	<b>22</b>	<b>Structure of atom:-</b> 1. Discovery of electron 2. Discovery of proton and neutron 3. Thomson's atomic model 4. Rutherford's atomic model 5. Bohr's atomic model 6. Electronic configuration	<ul style="list-style-type: none"> <li>• Discovery of electron, proton and neutron</li> <li>• Thomson's atomic model</li> <li>• Rutherford's atomic model</li> <li>• Bohr's atomic model</li> <li>• Electronic configuration</li> <li>•</li> </ul>	Clay modelling on model of atom.	Prepare a working model on Bohr's atomic model	Importance of electrons in chemistry
<b>JAN</b>	<b>19</b>	<b>Structure of atom:- (Conti.)</b> 7. Valency and valence electrons 8. Isotopes and their application 9. Isobars	<ul style="list-style-type: none"> <li>• Valency and valence electrons</li> <li>• Isotopes and isobars</li> </ul>	Power point presentation on uses of isotopes and Isobars	Application of isotopes indifferent field	History of isotopes and isobars
<b>FEB</b>	<b>7</b>	<b>Revision</b>				

**SUBJECT : (SCIENCE) - BIOLOGY**

**Text Book : 1. NCERT**

Month	WD / NO	Chapter/Sub-Topic	Key Terms and Concept	Art Integration	Project / Practical	Research Work Blended learning
APRIL	23/8	<b>Chapter 5</b> The Fundamental Unit of Life – 1. What are living organisms made of? 2. Structural organization of cell, Cell membrane, Cell wall, nucleus, Cytoplasm.	<b>Key Terms:</b> 1. Cells as unit of the living things 2. Animal and plant cells 3. Prokaryotic and an Eukaryotic cell 4. Cell Wall 5. Fluid Mosaic Model 6. Nucleus 7. Cytoplasm	Fruit Salad showing cell or cell organelle	Preparation of temporary mount of onion peel (plant cell)	Making of Potato Osmometer
MAY	10/4	<b>Chapter 5</b> 3. Cell organelles – Endoplasmic reticulum, Golgi bodies, Lysosome	1. Endoplasmic reticulum 2. Golgi bodies 3. Lysosome	use clay for making the structure of cell organelles	Permanent slides of mitosis and meiosis cell division.	
JUNE	25/15	<b>Chapter 5</b> Mitochondria, Plastids vacuoles, Cell Division	<u>Key Terms :</u> 1. Mitochondria 2. Plastids 3. Vacuoles 4. Mitosis 5. Meiosis	use clay for making the structure of cell organelles		
JULY	25/7	<b>Chapter 6</b> Tissues – Are plants and animals made of same type of tissues Meristematic tissue, Apical Meristem, Lateral Meristem, Intercalary meristem, Epidermis, Cork, Stomata	<b>Key terms</b> 1. Meristematic tissue 2. Apical Meristem 3. Lateral Meristem 4. Intercalary meristem 5. Epidermis 6. Cork 7. Stomata	growth of roots in onion bulb	Making of temporary mount of stomata	Write an article “ plants living plants generate electricity
AUG	23/7	<b>Chapter 6</b> Tissues	<b>Key Words</b> 1. simple permanent tissue 2. parenchyma		Spotting : Various Plant tissue	

		<p>Plant Tissues – simple permanent tissue, parenchyma</p> <p>collenchyma, sclerenchyma complex permanent tissue xylem phloem</p>	<p>3. collenchyma 4. sclerenchyma 5. complex permanent tissue 6. xylem 7. phloem</p>			
<b>SEPT</b>	12	Revision + Term I				
<b>OCT</b>	16/6	<p><b>Chapter 6</b></p> <p>Structure and function of Animal tissues – Epithelial tissue</p> <p>Connective Muscular, Nervous tissue.</p>	<p>1.. Animal tissues 2. Epithelial tissue (squamous, cuboidal, columnar, ciliated, glandular) 3. Connective tissue (areolar, adipose, bone, cartilage, blood, lymph, ligament, tendon) 4. Muscular tissue (striated, smooth, cardiac) 5. Nervous tissue (neuron &amp; glial cells)</p>	flow chart of animal tissue with flash cards,	Spotting : Various animal tissues	Make a research project on Cancer, its types, causes and cure.
<b>NOV</b>	17/6	<p><b>Chapter 15</b></p> <p>Improvement in Food Resources- Improvement in crop yields - introduction - Crop variety improvement Different types of crops Hybridization, Genetically Modified crops Factors for which variety improvement is done. Crop production management - nutrient management use of fertilizers, manures.</p>	<p><u>Key Words</u></p> <p>1. crop Variety Improvement 2. crop Production Improvement 3. crop Protection Management 4. Sustainable methods in Agriculture 5. Abiotic &amp; Biotic Factors 6. Desirable agronomic characters 7. Hybridization 8. Genetically Modified crops Fertilizers 9. Manure 10. Green Manure</p>	Write a report on GM varieties of crops	Role of technology in increasing crop production	effect on Indian economy by using technology in agriculture

<b>DEC</b>	<b>22/8</b>	<p><b>Chapter 15</b> (Contd.) Improvement in Food Resources Irrigation, cropping patterns.</p> <p>Crop protection management - protection from pests and diseases, Storage of grains ,organic farming. Animal Husbandry- cattle farming, Poultry Farming (Egg and broiler production),</p>	<p><u>Key words :</u></p> <ol style="list-style-type: none"> <li>1. Crop Rotation</li> <li>2. Intercropping</li> <li>3. Multiple Cropping</li> <li>4. Pesticides</li> <li>5. Weedicides</li> <li>6. Animal Husbandry</li> </ol>			<p>Explain the role of Agriculture in attaining sustainable development goals</p>
<b>JAN</b>	<b>19/8</b>	<p><b>Chapter 15</b></p> <p>Fish production (Marine &amp; Inland fisheries). Bee keeping. <b>Revision</b> <b>Revision</b></p>	<ol style="list-style-type: none"> <li>1. Fish Production <ol style="list-style-type: none"> <li>(i) Marine fisheries</li> <li>(ii) Inland Fisheries</li> </ol> </li> <li>2. Bee-keeping.</li> </ol>	<p>paste the different variety of fishes found in composite fish farming</p>	<p>contribution of fisheries and apiculture in indian economy</p>	<p>video on advanced machine used in agriculture</p>
<b>FEB</b>	<b>7</b>					

**SUBJECT : (SOCIAL SCIENCE) – HISTORY+SPL**

**Text Book :** 1. \_India and the Contemporary world I.  
2. \_Democratic Politics II.

Month	Chapter/Sub-Topics	Key Terms and Concept	Art Integration	Project / Practical	Research Work Blended earning
APRIL- 23	<b>History -Ch1-</b> <b>The French Revolution.</b> <b>Unit -1. French Society during the late 18th century.</b> <b>Unit 2. The Outbreak of the Revolution.</b>	Estates and Estates General in France  Clergy. Tithe.  Taille.  Subsistence Crisis.	Poster making and slogan writing on the French Revolution OR. A Project on the philosophers and scientists who helped in creating awareness about reasoning	Preparation of worksheet by Group A, B and C On the assigned topics.	Make a list of the rights given to Men under the Declaration of Rights. And the rights demanded for women by Olympe de Gouges.
	<b>The French Revolution.</b> <b>Unit-4. Did Women Have a Revolution?</b> <b>3. France abolishes Monarchy and becomes a Republic.</b> <b>Unit-5. The Abolition Of Slavery .</b> <b>he French Revolution.</b> <b>Unit -6. The Revolution and Everyday Life .</b>	Old Regime.  National Assembly.  Constitutional Monarchy.  Active and Passive citizens.  Declaration of Rights.			
	<b>SPL-Ch-1-</b> <b>What is Democracy and Why Democracy?</b>	Jacobin club and women’s club.	Draw a picture of a non-democratic ruler related to dictatorial regime showing the concentration of power in one hand	Write the names of Non democratic countries of the world.	Prepare a speech ‘‘Achievements of Democracy .’’
MAY-10	<b>Revision (The French Revolution and What is Democracy and Why Democracy ?)</b>				

JUNE-15	<b>HISTORY-Ch-2. Socialism in Europe and the Russian Revolution.</b> <b>Unit1- The Age of Social Change.</b> <b>Unit-2 The Russian Revolution.</b>	Liberals, Radicals and Conservatives. Industrial Society. Cooperative Movement. Communist International. Economy and Society. Turbulent time and the 1905 Revolution. Judaists. The first world war and the Russian Revolution. Duma. Soviet Councils. Bolshevik Party. Military Revolutionary. Russian Communist party. The Civil War. Making of Socialist society. Stalinism and Collectivization. Kulkas and Kolkhoz. Formation of the USSR.	Timeline chart on events of Russian Revolution  Make a list of the members of the framers of the Indian constitution, Draw their photos and write 2 sentences about their contributions in making of the constitution.	Imagine that you are a striking worker in 1905 who is being tried in court for an act of rebellion. Draft the speech you would make in your defense. Act out your speech in your class.	Project On the Life and Achievements of Lenin / Stalin.
	<b>Unit 3. The February Revolution in Petrograd.</b> <b>Unit-4. What Changed after October?</b> <b>Unit -5. The Global Influence of the Russian Revolution and the USSR Russian Revolution.</b>				
JULY-25	<b>SPL.Ch-2: Constitutional Design. Designing of Democracy in India:</b> <b>1. Why does India adopt democracy?</b> <b>2. Need of a constitution and the framing of the constitution 1946 – 1950.</b>	<b>Constitution. Preamble. Constituent Assembly. Sources of making of the constitution. Provincial legislatures. Draft constitution clauses. Constituent Assembly Debates. Guiding values and philosophies of the constitution. Sovereignty. Secular. Institutional design. Amendments</b>	<b>Write the Preamble of the Indian constitution on a sheet of paper, beautifully designed with colors .</b>	<b>Taking A pledge in the class by reading the Preamble of the Indian C Constitution.</b>	<b>Make a research work about the different sources which helped in making of the constitution of India.</b>
	<b>3. The Guiding Values (Principles ideologies and Philosophy) of Indian Constitution</b> <b>4. The salient features of the Indian constitution. 4. The salient features of the Indian constitution.</b> <b>5. How is democracy in India being constantly Designed and Redesigned</b> <b>.6. Constitution and the process of its amendments.</b>				

	SPL -Ch-3: Electoral Politics.	<p><b>Election mechanism.</b></p> <p><b>Need for election in democracy.</b></p> <p><b>Democratic election and its features.</b></p> <p><b>Electoral competition.</b></p> <p><b>Electoral constituencies.</b></p> <p><b>General election, midterm election and bi election.</b></p> <p><b>Reserved constituencies.</b></p> <p><b>Voter's list.</b></p> <p><b>Nomination of candidates.</b></p> <p><b>Election campaign.</b></p> <p><b>Model code of conduct.</b></p> <p><b>Election commission of India.</b></p> <p><b>Challenges to free and fair elections</b></p>	<p><b>Identify or collect the posters and pamphlets of the Lok Sabha election Campaign and paste them Party wise to create an Album.</b></p>	<p><b>Read the manifesto of any national political party of India and try to find out how are they implemented by the ruling party</b></p>	<p><b>Watch the Lok Sabha Election Results on your T V and also read newspapers and try to find out the mood of the voters about their voting preferences .Write the report on it.</b></p>
AUG-23	<p><b>History-Ch-3</b></p> <p><b>Nazism and the Rise of Hitler:</b></p> <p><b>Unit -1.</b></p> <p><b>Birth of the Weimar.</b></p> <p><b>Genocidal War.</b></p> <p><b>Unit -2. Hitler's Rise to Power.</b></p>	<p>International Military Tribunal.</p> <p>War Guilt and War Crimes</p> <p>Against Humanity. Genocidal War. Imperial Germany.</p> <p>National Assembly.</p> <p>Weimar Republic.</p>	<p>Look at figs 23,24,&amp; 27 page (67).</p> <p>Imagine yourself to be a Jew or a Pole in Nazi Germany and</p>	<p>How would you have reacted to Hitler's Ideas if you were:</p> <p>(i) A Jewish Woman</p>	<p>Do a Research: Have you ever thought of the stereotypes of other communities that people around you?</p> <p>If yes, enlist them in a project file.</p>
	Unit3-The Nazi Worldview.				
	Unit-4. Youth in Nazi Germany and				



	<p><b>Nazi cult of Motherhood.</b></p>	<p>Reichstag. November Criminals. Political Radicalism. Free Corps War reparations Hyperinflation. Dawes Plan. Article 48. Proletarianisation. Nazi Propaganda. Concentration Camps. Economic. Reconstruction Axis and Allied power. The Nazi world views. Racial Utopia. Youth in Nazi Germany. Jung Volk. The Art of propaganda. Holocaust.</p>	<p>draw a poster.</p>	<p>(ii) A non-Jewish</p>	
<p><b>SEPT-12</b></p>	<p><b>Revision.</b></p>				
	<p><b>Revision.</b></p>				
	<p><b>Term I start</b></p>				
	<p><b>Term I start</b></p>				
<p><b>OCT-16</b></p>	<p>SPL –Ch-4 <b>Working of Institutions</b> <b>How are major policy decisions taken? The Decision makers. Need for Political Institutions.</b></p>	<p>Office memorandum. SEBC. Decision makers. Political institution. Reservation quota. Need of a political institution. Executive. Legislature / parliament. Bill and process of making law. Judiciary. Adjournment motion, No confidence motion. Impeachment Motion. Prime minister, Council of ministers and Cabinet minister. Collective responsibility. Coalition government. Parliamentary and presidential government. Integrated and independent judiciary. PIL .Lok Adalat. Judicial  Review.</p>	<p><u>Draw a picture of our parliament. and the Supreme court of India.</u></p>	<p>When Parliament is in session, there is a special programme every day on Doordarshan about the proceedings in Lok-Sabha &amp; Rajya Sabha. Watch or Read the &amp; note the following (i) Role of the Speaker (ii) Powers of the two Houses.</p>	<p>“Rajya-Sabha should be Abolished” Write a report and organize a debate in the class..</p>
	<p><b>Indian Parliament, Composition, Working Procedure, law making process &amp; parliamentary control over executives. &amp; the government. The president of India; Powers &amp; Position.</b></p>				
	<p><b>2. The Prime Minister &amp; Union Council of Ministers.</b> <b>3. The Indian Judiciary; Supreme Court of India; Composition &amp; jurisdiction.</b></p>				

NOV-17	<p><b>SPL- Ch-5.</b>  <b>Democratic Rights.</b>  <b>Life without Rights</b>  <b>Rights in a Democracy</b>  <b>Rights in the Indian Constitution</b>  <b>Meaning &amp; need of Rights in Democracy.</b></p> <p><b>Fundamental Rights granted under the constitution of India.</b>  <b>Independence of Judiciary &amp; Protection of Fundamental Rights.</b>  <b>Expanding scope of rights</b></p>	<p>Meaning and definition of rights and democratic rights.  Need of rights in democracy.  Fundamental Rights.  Social, economic, and political rights to equality and exceptions.  Rights to freedom.  Rights against exploitations.  Traffic in human beings.  Right to profess, practice and propagate.  Rights to constitutional remedies.  Human rights.  Expanding scope of Rights.  International covenant on economic, social, and cultural rights.</p>	<p>Draw and write on a plain sheet, all the fundamental Rights given to the citizens by the constitution of India.</p>	<p>Debate on. Expansion of Democratic Right in India shall be no use unless people are not literate followed by reports.</p>	<p>Organize a Legal Literacy Club in your school to promote awareness about your Rights and Duties.</p>
	<p><b>History – Ch- 4</b>  <b>Forest Society and Colonialism.</b>  <b>Unit-1</b>  <b>Livelihoods, Economies and Societies:</b>  <b>Forest Society and Colonialism: Why Deforestation?</b>  <b>Unit 2</b>  <b>The Rise of Commercial Forestry</b>  <b>Unit 3</b>  <b>Rebellion in the Forest</b>  <b>The relationship between forest &amp; livelihood.</b></p>	<p>Deforestation and its causes.  Plantations  Scientific forestry.  Forest act 1878.  Uses of forests .  Forest Society and Colonialism:  Why Deforestation?  The Rise of Commercial Forestry  Rebellion in the Forest  The relationship between forest &amp; livelihood.</p>	<p>Each mile of railway track required between 1,760 D&amp; 2,000 sleepers. If one average-sized tree yields 3-5 sleepers for a 3-metre-wide broad-gauge track, calculate approximately how many trees would have to be cut to lay 1 mile of</p>	<p>Prepare a list of different tribes of Bastar and show them on the map of Bastar.  Prepare a list of the forest things which were used by the tribal people for their daily needs.</p>	<p>Do a Research work: If you were the government of India in 1862 &amp; responsible for supplying the railways with sleepers &amp; fuel on such a large scale, what were the steps you would have taken?</p>

			track.		
<b>DEC-22</b>	<b>Changes in Forest Management under British Rule. Forest Acts &amp; its impacts on the life of Forest People. Rebellion in Forest; Case Study Bastar .</b> <b>Unit 4 .Forest and Transformation.</b>				
	<b>Chapter 5 – Pastoralists in the Modern World.( Chapter will done only for Internal Tests )</b> <b>1.Pastoral Nomads and their Movements</b> <b>2.Colonial Rule and Pastoral Life</b>	Gujjars of Bakarwals Gaddi shepherds of Himachal Pradesh. Bhabar and Bugyals . Dhangrs , Raikas ,Gollas . Forest rules and tribal lives	Draw a picture of the migration of different cattle’s with the pastoralist nomads of Himachal Pradesh	Comparative study of the Present Pastoralists and the pastoralists of the past.	Make a project on the topic. ‘Migration of the pastoralist nomads in the Himalayan Mountain areas with some relevant pictures.’”
	<b>3.Pastoralists in the mountains</b> <b>4.Pastoralists in the plateaus and Mountains.</b>				
	<b>5. Effects of the changes on the lives of pastoralists.</b> <b>6.Adaptations of pastoralists with the changes.</b>				
<b>JAN-19</b>					
<b>FEB-07</b>					

**SUBJECT : (SOCIAL SCIENCE) - GEOGRAPHY**

**Text Book : 1. N.C.E.R.T**

Month	W. D. / NOP	Chapter/ Sub-Topic (WEEKLY)	Key Terms and Concept	Art Integration Topics	Project / Practical	Research Work Blended Learning
April+ May	23+10	<p><b><u>Ch- 1: India-Size and Location:</u></b></p> <p><b>1<sup>st</sup> Week:</b> (-Location)</p> <p><b>4<sup>th</sup> Week:</b> (-Size)</p> <p><b>5<sup>th</sup> Week:</b> (-India and the world -India's Neighbours)</p>	Implications of Latitudinal and Longitudinal extent of India, Indian Standard Time, Strategic Central Location of India on the Globe.	<p>-India's Diverse Natural and Cultural Heritage related with Folk Tale: Traditional Folklore of the Himalayas.</p> <p>-Performing and Visual Art Forms of India.</p>	<p>1. Find out the longitudinal and latitudinal extent of your state.</p> <p>2. Collect information about the 'Silk Route'.</p>	<p>1. To impart knowledge and information regarding multi-faceted socio-economic progress of India during last five decades through a video.</p> <p>2. To impart knowledge and information about India's Diverse Natural and Cultural Heritage through a video play.</p> <p>3. A documentary on India's Historical and Cultural ties both with the oriental world and modern world.</p>
June + July	15+25	<p><b><u>Ch-2: Physical Features of India:</u></b></p> <p><b>3<sup>rd</sup> Week:</b> (-Major Physiographic Divisions of India. - The Himalayan Mountains.)</p> <p><b>5<sup>th</sup> Week:</b> (- The Northern Plains.)</p> <p><b>7<sup>th</sup> Week:</b> (- The Peninsular Plateau. - The Indian Desert. - The Coastal Plains. - The Islands)</p>	<p>1.Exogenetic and Endogenetic Forces.</p> <p>2. Brief description of the theory of Plate Tectonics.</p> <p>3. Some key terms such as Mountain Pass, Duns, Gorge and Canyon, Alluvium, Riverine Islands, Distributaries, Delta and Estuary, Doab, Bhabar, Terai, Bhangar, khadar, Deccan Trap, Horst, Barchans, Lagoon, Corals, volcano etc.</p>	<p>-Save the environment Dance(You Tube Link)</p> <p>-Welcome to India: a title song related to diverse relief features of India(you Tube link)</p>	<p><b>-Multiple Diverse Assessment Embedded in Classroom Pedagogy : Topic-Evolution of the Himalayas.</b></p> <p>General Guidelines: Pictorial Representation of the Evolution of the Himalayas by mentioning there in the different phases of upliftment of the three distinct ranges</p>	<p>1. A better understanding of Evolution of Major Landform Features of India through Google Video.</p> <p>2. PPT Slides to impart knowledge and understanding of the salient characteristic features of the Major Physiographic Divisions of India.</p>

					<p>during the geological ages in a Stick File.</p> <p>On an outline map of India show the following.</p> <p>(i) Mountain and hill ranges – the Karakoram, the Zaskar, the Patkai Bum, the Jaintia, the Vindhya range, the Aravali, and the Cardamom hills.</p> <p>(ii) Peaks – K2, Kanchenjunga, Nanga Parbat and the Anai Mudi. (iii) Plateaus, Chotanagpur and Malwa (iv) The Indian Desert, Western Ghats, Lakshadweep Islands</p>	
August	23	<p><b>Ch-3:</b> <b>Drainage:</b></p> <p><b>3<sup>rd</sup> Week:</b> (-Drainage System of India. -The Himalayan River)</p> <p><b>4<sup>th</sup> Week:</b> (-The Peninsular River.</p>	<p>Key Terms and Concepts such as Drainage, Drainage Basin, River System, Water Divide, Perennial and Intermittent Rivers, Tectonic, Riverine, Glaciated, Wind Eroded Lakes, and Lagoon etc.</p>	<p>-Festivals celebrated along the bank of Ganga.</p> <p>-A Hindi song related to conservation of water.</p>	<p>-Project on River Pollution.</p> <p>-Project on Ganga Action Plan.</p> <p>_ - Project on Kal Kal Jeevan.</p>	<p>1. To impart knowledge and information regarding Rivers as the Lifeline of National Economy through a video.</p> <p>2. Video representation of Jal Hi Jeevan.</p> <p>3. A documentary of Pollution of River Ganga.</p>

		-Lakes. -Role of Rivers in the Economy. -River Pollution.)			-Project on Conservation and Management of Water Resources	4. A documentary on Socio-cultural practices associated with the rivers and lakes in India
Sep	03+05	<b>Revision of Term-I Examination:</b>				
Sep						
Sep+ Oct	7+ 16	<p><b>Ch-4: Climate:</b></p> <p><b>1<sup>st</sup> Week:</b> (-Concept of climate and Weather. -Concept of Monsoon.)</p> <p><b>2<sup>nd</sup> Week:</b> (-Regional Diversity of Climatic Conditions in India.)</p> <p><b>4<sup>th</sup> Week:</b> (-Climatic Controls. -Factors affecting India's Climate (Excluding Jet Stream and Western Cyclonic Disturbances)</p> <p><b>* Note:</b> <i>Mechanism of Indian Monsoon,</i></p> <p><i>The Onset of the Monsoon and Withdrawal is deleted from the current portion.</i> -The Cycle of Seasons.)</p> <p><b>5<sup>th</sup> Week:</b> (Distribution of Rainfall. -Monsoon as a Unifying Bond.)</p>	Climate, Weather, Monsoon, Major Pressure and Wind Belts of the World, ITCZ, Jet Stream, El-Nino, Mahawat, Loo, Kaal Baisakhi, Mango shower, Retreating Monsoon, October Heat, Cyclone and Anticyclone etc.	<p>(i) Find out which songs, dances, festivals and special food preparations are associated with certain seasons in your region.</p> <p>Do they have some commonality with other regions of India?</p> <p>(ii) Collect photographs of typical rural houses, and clothing of people from different regions of India. Examine whether they reflect any relationship with the climatic condition and relief of the area.</p>	<p>Project: Combating Climatic Change.</p> <p>Project: Preparedness for a Disaster-Flood or Cyclone or Drought or Landslide</p>	<p>-A Video on Climatic Change.</p> <p>-A Video on Global Warming.</p> <p>-A Video on Weather Associated Disasters.</p>

Nov+Dec	17 +22	<p><b><u>Ch-5: Natural Vegetation &amp; Wildlife:</u></b></p> <p><b>4<sup>th</sup> Week of Nov:</b>  (-Role of Forests.  -Causes of Depletion of India’s Natural Vegetation.  -Ecosystem and Biome.)</p> <p><b>4<sup>th</sup> Week of Dec:</b>  (-Type of Vegetation  -Wildlife in India.  -Conservation of Flora and Fauna.)</p>	<p>-Vegetation.  -Natural Vegetation.  -Flora and Fauna.  -Biodiversity.  -Ecosystem.  -Biome.  -Biosphere Reserve.</p>	<p>(i) Find some trees in your neighbourhood having medicinal values.  (ii) Find ten occupations getting raw material from forests and wildlife. (iii) Write a poem or paragraph showing the importance of wildlife. (iv) Write the script of a street play giving the importance of tree plantation and try to enact it in your locality.  (v) Plant a tree either on your birthday or one of your family member’s birthday. Note the growth of the tree and notice in which season it grows faster.</p>	<p>Project: Conservation of Forests and Wildlife.</p> <p>(i) Find some trees in your neighbourhood having medicinal values.  (ii) Find ten occupations getting raw material from forests and wildlife.  (iii) Write a poem or paragraph showing the importance of wildlife.  (iv) Write the script of a street play giving the importance of tree plantation and try to enact it in your locality.  (v) Plant a tree either on your birthday or one of your family member’s birthday. Note the growth of the tree and notice in which season it grows faster.</p>	<p>-A Documentary on ‘Save Tiger’</p> <p>-A Video on UNESCO Heritage Sites in India.</p> <p>-Community Outreach to Vivekanand Park at Chandankiyari, City Park, and Bokaro Zoo.</p> <p>-A Video on Sunderbans.</p>
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January	19	<p><b>CH-6- Population:</b></p> <p><b>3<sup>rd</sup> Week:</b> (-Population Size and Distribution )</p> <p><b>4<sup>th</sup> Week:</b> -Population Growth and the Process of Population Change</p>	<p>-Census. -Density of Population. -Population Change. -Birth Rate. -Death Rate. -Annual Growth Rate. -Migration.</p>	<p>-Songs and Slogans related to Family Planning in Hindi in Doordarshan Channel.</p> <p>-Nukkard Natak on Population Explosion and Consequences. -Debate: What is more important- Quality or Quantity of Population?</p>	<p>Project: Conduct a class census by preparing a questionnaire. The questionnaire should contain minimum five questions. Questions should relate to students, their family members, their class performance , their health, etc. Each student is required to fill in the questionnaire. Compile the information in numerical terms (in terms of percentage). Present the information through pie-chart, bar-diagram or in any other way.</p>	<p>-A Video on Population Explosion and Consequences.</p> <p>-A Documentary in Hindi entitled 'Badhti Jansankhiya-Vardhan or Avishap'</p> <p>-A documentary on Growing Immigration and Implementation of CAA.</p>
Feb.	07	<p>Revision + Term II Exam</p> <p><b>Revision through quiz, doubt, clearance classes and mock test etc.</b></p> <p>ANNUAL EXAMINATION</p>				



**SUBJECT: (SOCIAL SCIENCE) - ECONOMICS**

Textbook: 1.NCERT

Month	WD	Chapter/Sub-Topics	Key Terms and Concept	Art Integration	Inclusive Teaching/Subject Integration	Project / Practical	Research Work Blended Learning
April	23	1. The Story of Village Palampur: <ul style="list-style-type: none"> <li>• Overview</li> <li>• Organization of Production</li> <li>• Farming in Palampur</li> <li>• Non-farm activities in Palampur</li> </ul>	Physical capital, Working capital, Fixed capital, Human capital, Factors of production, HYV, Modern farming method, Farm surplus	Poster Making	<ul style="list-style-type: none"> <li>• Organization of Production</li> <li>• Farming in Palampur</li> <li>• Non-farm activities in Palampur to be integrated with the concept of Geography</li> </ul>	Activity	NA
May	10	2. People as Resource: <ul style="list-style-type: none"> <li>• Overview</li> <li>• Economic Activities by Men and Women</li> </ul>	Primary sector, Secondary sector, Tertiary sector, Trade, Transportation, Communication	Collaborative Art Project: Invite your students to work together to create a large-scale mural or collage that represents the many ways in which people can be considered a valuable resource. This could include images of workers in various industries, community volunteers, activists, artists, and more		Research : Students can conduct research on the concept of 'People as Resource' and gather information on the	N.A.
June	15	<ul style="list-style-type: none"> <li>• Quality of Population</li> <li>• Unemployment</li> </ul>	Human Resource, Investment, Capital formation Capital formation Seasonal and Disguised unemployment		<ul style="list-style-type: none"> <li>• Quality of Population</li> <li>• Unemployment to be integrated with demographic dividend and composition</li> </ul>		

July	25	<p>3. Poverty as a Challenge:</p> <ul style="list-style-type: none"> <li>• Overview</li> <li>• Two typical cases of Poverty</li> <li>• Familiarize with basic economic concepts through an imaginary story of a village.</li> <li>• Poverty as seen by Social Scientists</li> <li>• Poverty Estimates</li> <li>• Vulnerable Groups</li> </ul>	<p>Illiteracy, Malnutrition, Social exclusion, NSSO, Income, Inequalities, Indebtness</p>	<p>Visual Art: Invite students to create visual art pieces that represent their understanding of poverty as a challenge. They could create paintings, drawings, collages, or mixed media pieces that reflect the realities of poverty, as well as the potential for change and hope.</p>		<p>Case study: Students can choose a community or a group of people living in poverty and conduct a case study. They can investigate the reasons for poverty in that community, the challenges faced by its inhabitants, and the interventions that have been attempted to alleviate poverty.</p>	PPT
Aug	23	<ul style="list-style-type: none"> <li>• Inter-state Disparities</li> <li>• Global Poverty Scenario</li> <li>• Causes of Poverty</li> <li>• Anti-Poverty measures</li> <li>• The Challenges Ahead</li> </ul>					
Sept	12						
Oct	16	<p>4. Food Security in India:</p> <ul style="list-style-type: none"> <li>• Overview</li> <li>• What is Food Security?</li> <li>• Why Food Security?</li> <li>• Who are food insecure?</li> <li>• Food Security in India</li> <li>• What is Buffer Stock?</li> </ul>	<p>Availability, Accessibility, Affordability, Famine, Chronic Hunger, Green Revolution, FCI, Issue Price, Fair Price Shops, ICDS,</p>	<p>Visual Art: Visual art can be a powerful medium to depict the challenges of food security in India. Paintings, drawings, and photographs can be used</p>		<p>Examine government policies and programs: India has several government policies and programs aimed at</p>	PPT

			NSSO PDS,AAY, MSP,	to showcase the scarcity of food, hunger, and malnutrition in the country. The artwork can be displayed in public places, such as parks, galleries, or museums, to raise awareness about the issue.		addressing food security, such as the Public Distribution System, Mid-Day Meal Scheme, and National Food Security Act. Analyze these programs to determine their effectiveness in addressing food insecurity.	
Nov	17	<ul style="list-style-type: none"> <li>•What is the Public Distribution System?</li> <li>•Current status of PDS</li> <li>• Role of co-operatives in food security</li> </ul>					
Dec	22						
Jan	19						
Feb	7						

**SUBJECT : INFORMATION TECHNOLOGY**

**Text Book :** 1. TEXT BOOK NCERT

2. Essentials of Information Technology, Preeti Arora, Sultan Chand Publication

3. Information Technology. Sanjay Jain ,Orange Publication

Month	WD / NOP	Chapter/Sub-Topics	Key Terms and Concept	Art Integration	Project / Practical	Research Work Blended earning
APRIL	23	<p><b>Part A:Unit-1</b>  <b>Communication Skills: - Introduction</b></p> <ul style="list-style-type: none"> <li>• Introduction of communication,</li> <li>• Elements of communication cycle,</li> <li>• Communication cycle.</li> <li>• Importance &amp; Types of communication skills</li> <li>• Verbal and non-verbal methods of communication</li> <li>• Factors Affecting communication at the Workplace.</li> <li>• Communication barriers</li> <li>• Ways to handle communication barriers.</li> <li>• Writing Skills</li> <li>• Parts of Speech.</li> <li>• Part of a sentences.</li> <li>• Types of Sentences.</li> </ul> <p>Part B:Unit-1</p> <ul style="list-style-type: none"> <li>• Introduction to IT-ITeS Industry:</li> <li>• Introduction to IT and ITeS, BPO services, BPM industry in India, Structure of IT-BPM industry.</li> <li>• Applications of IT:</li> <li>• IT in education, IT in daily life</li> <li>• Applications of IT in home computing, everyday life, library, workplace, education, entertainment, communication, business, science and engineering, banking, insurance, marketing, health care, IT in the government and public service.</li> </ul>	<p>Communication, Verbal and non-verbal, Communication cycles.</p> <p>IT and ITes BPO, BPM, Structure of IT-BPM</p>	<p>Virtual meeting with different state school students with different languages.</p> <p>1. Make a Comic book on “Autoboots” and show how autoboots are communicating. Use verbal communication to show the messages and paste images of autoboots.</p> <p>2. Draw the diagram of Visual communication which you can identify in public places.</p>	<p>Students will see the various types of communication and categorized it according to the examples.</p> <p>Identify and list the various IT enabled services, observed the application of IT in various areas.</p> <p>Students will see the practical approach towards IT Industry.</p>	<p>Topics to be clear via PPT Slides . List out the various examples of communication that you can notice around you in daily life.</p> <p>List out the places where you can see IT has been used. List out the applications of IT</p>
MAY	10	<p><b>Part A: Unit-2</b>  <b>Self-management skills:-</b></p> <ul style="list-style-type: none"> <li>• Meaning and Importance of Stress Management</li> <li>• Stress Management Technique</li> <li>• Self-confidence and positive thinking .</li> <li>• Personal hygiene and self-grooming.</li> </ul>	<p>Stress, Stress Management, Self-confidence, Personal Hygiene, Self-Grooming.</p>	<p>Make a poster on Yoga which will explain how yoga is helpful in releasing stress.</p>	<p>Write about various stress management techniques and its after effect.</p>	<p>List out the yoga techniques and some motivational quotes.</p>

<p><b>JUNE</b></p>	<p>15</p>	<p>Part B:</p> <ul style="list-style-type: none"> <li>• Data entry and keyboard skills:</li> <li>• Types of keys on keyboard, numeric keypad, Home keys, Guide keys</li> <li>• Typing and deleting text, positioning of fingers on the keyboard, allocation of keys to finger on four different rows</li> <li>• Pointing device - Mouse, mouse operation</li> <li>• Introduction to Rapid Typing Tutor Calculating typing speed.</li> </ul>	<p>Numeric keys, Home keys, Guide keys, Rapid Typing</p>	<p>Make a chart paper and paste image of keyboard. Highlight the different keys with colors based on the category and write about the key.</p>	<p>Students will do the practical in online typing tutor to enhance the typing speed. Identifies the keys and its use on the keyboard Demonstrate to use various keys on the keyboard Demonstrate to type the text, numbers, special character using appropriate keys on the keyboard Practice the correct typing ergonomics Practice to place fingers on correct key in four different row of keyboard Practice various mouse operations.</p>	<p>Find out the various ways to increase the typing speed.</p>
<p><b>JULY</b></p>	<p>25</p>	<p>Part -A Unit-3 ICT Skills -1 :</p> <ul style="list-style-type: none"> <li>•Role and important of ICT</li> <li>•Computer basics &amp; Input, Output and Storage System</li> <li>•Basic Components of a computer System.</li> <li>•Peripheral Devices &amp; their Uses,</li> <li>•Basic Computer operations.</li> <li>•operating system &amp; their Types</li> <li>• Creating &amp; Managing Files &amp; Folder.</li> <li>•Protecting Computer Against Viruses</li> <li>•Internet services and applications</li> </ul> <p>Part B:</p> <ul style="list-style-type: none"> <li>• Digital Documentation: -</li> <li>• Introduction to word processing software: Libre Office Writer</li> <li>• Creating a document, parts of Writer window, Cursor and mouse pointer</li> <li>• Text editing - undo and redo, moving and copying text, Copy and Paste, selecting non-consecutive text, selecting a vertical block of text</li> <li>• Find and replace, jumping to the page number, Nonprinting characters, checking spelling and grammar, Using synonyms and the Thesaurus.</li> <li>• Page style dialog, formatting text - removing manual formatting, common text formatting, changing text case, Superscript and subscript, Formatting paragraph - Indenting paragraphs, aligning paragraphs, font color, Highlighting and background color to paragraph</li> </ul>	<p>ICT, Input, Output OS, Peripheral Devices, Viruses</p> <p>Libre Office Writer, Find and replace, Writer window, Cursor</p>	<p>Make a poster and write about all the shortcut keys used in Libre Office writer. Paste image related to the shortcut key. For example: Glue for paste, scissor for cut etc. Apply page border also.</p>	<p>Students will do the practical using these features in Libre Office Writer.</p> <ul style="list-style-type: none"> <li>•List the available word processing applications</li> <li>•Introduce with the parts of the main window</li> <li>•Change document view</li> </ul>	<p>List out the various page formatting options with its shortcut keys.</p> <p>Distribute reading materials or handouts to students and summarizing key points for offline review.</p>

AUG	23	<p>Part B: Digital Documentation(contd.):-</p> <ul style="list-style-type: none"> <li>•Page formatting – setting up basic page layout using styles, Inserting page break, Creating header/footer and page numbers,</li> <li>•Defining borders and backgrounds, Inserting images shapes, special characters in a document, Dividing page into columns, Formatting the shape or image.</li> <li>•Creating table in Word Processor</li> <li>•Inserting row and column in a table</li> <li>•Deleting rows and columns</li> <li>•Splitting and merging tables</li> <li>•Deleting a table</li> <li>•Copying a table</li> <li>•Moving a table.</li> <li>•Printing options in Word Processor.</li> <li>•Print preview,</li> <li>•Controlling printing,</li> <li>•Printing all pages, single and multiple pages.</li> <li>•Introduction to mail merge Concept of data source for mail merge.</li> </ul>	<p>Page formatting, page break, Creating header/footer and page numbers. Printing options Mail merge, Data source,</p>	<p>Incorporate annotated screenshots or illustrations within the user guide to visually guide users through the software interface and functionalities.</p> <p>"Creative Learning: Art-Infused Digital Documentation for Online Courses"</p>	<ul style="list-style-type: none"> <li>•List the available word processing applications.</li> <li>•Introduce with the parts of the main window.</li> <li>•Change document views.</li> <li>•Start a new document.</li> <li>•Open an existing document.</li> <li>•Save a document.</li> <li>•Close a document</li> <li>•Editing of text in a document</li> <li>•Demonstrate to use undo and redo option,</li> <li>•Use the keyboard and mouse options to select, cut, copy, paste, and move text.</li> <li>•Demonstrate to select nonconsecutive text items, vertical block of text,</li> </ul>	<p>Student can prefer to Activity No.12 page no. 60</p>
SEPT	12	Revision				
OCT	16	<p>Part B:</p> <ul style="list-style-type: none"> <li>• Electronic spreadsheet:</li> <li>• Introduction to spreadsheet application: Libre office calc.</li> <li>• Parts of Libre office calc.</li> <li>• Worksheet - rows and columns, cell and cell address</li> <li>• Range of cells: column range, row range, row, and column range</li> <li>• Different types of data, entering data - Label, values, formula, mathematical operators used in formulae</li> <li>• Simple calculations using values and operators</li> <li>• Commonly used basic functions- SUM, AVERAGE, MAX, MIN, COUNT</li> <li>• Formatting tool: Formatting a range of cells with decimal places, formatting alignment of a cell range</li> <li>• Concept of referencing: Relative referencing, Absolute referencing and Mixed referencing</li> <li>• Charts in spreadsheet.</li> </ul>	<p>Function on calc like SUM, AVERAGE, MAX, MIN, COUNT</p>	-	<p>Students will do the practical in Libre Office Libre Office Calc. Start the spreadsheet,</p> <ul style="list-style-type: none"> <li>• Identify the parts of Calc,</li> <li>• Identify the rows number, column number, cell address,</li> <li>• Define the range of cell,</li> <li>• Identify row range, column range, row &amp; column range</li> </ul>	<p>List out the various places where you use Libre Office Calc and save the time.</p>
NOV	17	<p>Part A: Green skills: -</p> <ul style="list-style-type: none"> <li>• Natural Environment</li> <li>• Influence on Environment</li> <li>• Natural resource conservation</li> <li>• Green Economy and Green skills</li> </ul>	<p>NRC, SDC, Natural Environment, Green Economy and Green skills</p>	<p>1. Make a poster on “Save Nature - Save Earth”. Write one message regarding save nature and save</p>	<p>Students will do the practical in Libre Office Impress to create presentation.</p>	<p>List out various types of templates for creating presentation.</p>

		<p>Part B: Digital Presentation:</p> <ul style="list-style-type: none"> <li>• Introduction to Presentation Software: Impress</li> <li>• Parts of Impress window, creating a presentation using template, selecting slide layout, saving a presentation, running a slide show.</li> <li>• Inserting a duplicate slide, new slide, slide layout, copying and moving slides, deleting and remaining slide</li> <li>• Formatting toolbar: various formatting features, text alignment, bullets and numbering</li> </ul>		<p>earth.</p> <p>2. Using waste material make some useful thing. For example: Make flowerpot using old plastic bottle.</p>		
<b>DEC</b>	<b>22</b>	<p>Part B: Digital Presentation(contd.):</p> <ul style="list-style-type: none"> <li>• Inserting tables in presentation: Entering and editing data in table, adjusting column width and row height, table borders and background</li> <li>• Inserting and format image: inserting and image from a file, from gallery, moving images, re-sizing images, rotating images</li> <li>• Drawing graphics, grouping and un-grouping objects</li> <li>• Slide master</li> </ul>		-	Students will do the practical in Libre Office Impress to make presentation more beautiful.	List out the various format of letters and posters and see how and where to add images.
<b>JAN</b>	<b>19</b>	<p>Part A: Entrepreneurial Skills:</p> <ul style="list-style-type: none"> <li>• Entrepreneurship vs. Business</li> <li>• Entrepreneurship vs. Employment</li> <li>• Entrepreneurship Development process</li> <li>• Entrepreneurship and Society</li> <li>• Functions and Myths of Entrepreneur</li> <li>• Advantages and Disadvantages of Entrepreneurship</li> <li>• Types and Fields of Entrepreneurship.</li> </ul>	Entrepreneur, Entrepreneurship, Myths of Entrepreneur.	Activity conducted on Entrepreneurial Skills and Business model .	Make a project on “Entrepreneur and Society”. Write all the possible things that an entrepreneur is doing for the society and how they are involved.	List out some of the idea to start a new business. Think as an entrepreneur and think about new and innovative ideas.
<b>FEB</b>		Revision				

**SUBJECT: ART EDUCATION (VOCAL MUSIC)**

Month	WD	Chapter/Sub-Topics	Key Terms and Concept	Art Integration	Project / Practical	Research Work Blended Learning
	NOP					
April	23	Song “ <b>Buddham Sharanam Gacchami</b> ”	Concept About <ul style="list-style-type: none"> <li>• Jhpataal and Even Beats</li> <li>• Melody of Raag Bilawal</li> </ul>	Usage of Notes of Raag Bihag and made difference between the songs	Creating Swar Alankars and aaroh and avroh	NO
May	10					
June	15	Raag “ <b>Bhairavi</b> ” Discription, Aaroh, Avroh & Bandish	Knowing About the follwing <ol style="list-style-type: none"> <li>1. Jaati</li> <li>2. Thaati</li> <li>3. Waadi swar</li> <li>4. samwadi swar</li> <li>5. Gayan samay</li> </ol>	Identification of other songs related to this raga's interpretation	Creating Taan with Jumble Funny Activity	NO
July	25					
Aug	23	Song for teachers “ <b>Nanhe se Kadam Le Kar</b> ”	Knowing About the follwing <ol style="list-style-type: none"> <li>1. Indo - western Beats</li> <li>2. Collaboration between indian Classical music and western music</li> </ol>	Usage of different sargams during singing	Singing and counting in Hand beats	NO
Sept	5 + 7					
Oct	16	Bhajan “ <b>Krishn Kanhaiya Dau ji ke Bhiyaa</b> ”	Knowing about <ol style="list-style-type: none"> <li>1. Dadra taal. Children will</li> <li>2. learn to sing Suddh Swar.</li> </ol>	Blending Swar of raag Bhopali	Singing swaras in jumbled form in Kalyaan Thaati	NO
Nov	17					
Dec	22	Christmas Song “ <b>We three kings</b> ”	Concept About <ul style="list-style-type: none"> <li>• Four By Four Beat Structure</li> <li>• Scale and its type</li> </ul>	Difference between Indian Rhythm and western rhythm	Western notation and sound system	Songs related other western culture
Jan	19	Song from Almannac “ <b>Gaye ja aye Rahi</b> ”	Concept About <ul style="list-style-type: none"> <li>• Kaafi Raag And its different Chalan</li> <li>• Swar and its type</li> </ul>	Use of Musical notes which changes the mood of the song	Other Songs related to Horse Beat	Using of other musical notes rather than Komal gandhar and Dhawat
Feb	7	Revision				



**SUBJECT : ART EDUCATION (ART AND CRAFT)**

**Text Book :**

Month	W.D	Chapter/Sub-Topics	Key Terms and Concept	Art Integration	Project / Practical	Research Work Blended learning
APRIL	23	Landscape in pencil shading	Elements of art	Shape & Size trigonometry	<u>Prepare a chart of pencil shade.</u>	Make Landscape in pencil shading.
		Landscape in pencil shading				
		Portrait study				
		Portrait study				
MAY	10	Portrait study	Elements of art	Literature- portrait painting of famous personality	<u>Draw a portrait of any onesport personalities.</u>	Biography.
		Portrait study				
		Portrait study				
		Portrait study				
JUNE	15	Rajasthani miniature Art	Elements of art	History of Indian art During Mughal art and culture	<u>Project file on Rajasthani miniature &amp; Mughal miniature</u>	Evaluation of Mughal Art
		Mughal miniature Art				
		Mughal miniature Art				
JULY	25	Acrylic or oil painting on canvas	Elements of art	Knowing 3D shapes in maths	<u>Draw a flower by Acrylic Color.</u>	Techniques to use Acrylic Color.
		Acrylic or oil painting on canvas				
		Composition in Watercolor				
		Composition in Watercolor				
AUG	23	Acrylic or oil painting on canvas	Elements of art	It can be related with village story, in Hindi or Eng subject	One Landscape and one village landscape to be done	Students will draw composition of a village visited by them
		Acrylic or oil painting on canvas				
		Composition in Watercolor				
		Composition in Watercolor				
SEPT	5+7	Glass painting	Elements of art	Madhubani can be done on glass and art and culture of Bihar can be taught	<u>Do a Painting on 10" X 10" size of Glass.</u>	How to bring perfection in Glass Painting.
		Glass painting				
OCT	16	Glass painting	Elements of art	Madhubani can be done on glass and art and culture of Bihar can be taught	<u>Make a Madhubani painting.</u>	History of Madhubani painting
		Glass painting				
		Madhubani painting				
		Madhubani painting				

NOV	17	Madhubani painting	Elements of art	It can be related with village story, in Hindi or Eng subject	One Landscape and one village landscape to be done	Students will draw composition of a village visited by them
		Madhubani painting				
		Composition in Watercolor				
		Composition in Watercolor				
DEC	2 2	studyofDesign a)Natural b)Geometrical c)Ornamental d)Abstract	Elements of art	Maths, shapes , symmet ry	Draw a Rangoli on your own idea.	Students will draw a Symmetrical design using different shapes.
		studyofDesign a)Natural b)Geometrical c)Ornamental d)Abstract				
		studyofDesign a)Natural b)Geometrical c)Ornamental d)Abstract				
		studyofDesign a)Natural b)Geometrical c)Ornamental d)Abstract				
JAN	19	Ivory paper craft	Elements of art	Animals and bird drawing in science and literature too	<u>Make a birdwith Ivorypaper.</u>	Make a Mask using Ivory Sheet
		Ivory paper craft				
FEB	7	Revision				

**SUBJECT: ART EDUCATION (INSTRUMENT)**

Month	W. D.	Chapter/Sub-Topic	Key Terms and Concept	Art Integration Topics	Project / Practical Work	Research Work Blended Learning	
April	23	Style of different Gharanas Composition Writing Hasta sadhan.	Knowledge of Notation	Number Counting.	Practice for different ghrana bol.	Count with finger.	
May	11	Teen taal Kaida with palta. Vistar and tehai.	Development of nikas	Number Counting.	Practice for Teen taal , Kaida and palta	Count with Tali.	
June	15	Teen taal kaida with palta cont.	Development of nikas	Taal Counting.	Teen Taal & Kaida Practice	Count with Tali & Khali.	
July	25	Teen taal kaida continue Western beat 4/4 beats	To inculcate knowledge about Kaida.	Forward & Back-word counting.	Skill Practice	Count with Tali & Khali.	
Aug	23	Teen Taal rela with palta, vishtar, tehai	To improve knowledge about Teen taal rela	Dance & Vocal music.	Life skills of any Indian musician	Tali Counting in Taal.	
Sept	10						
Oct	16	Ektaal kayda with palta an tehai	Practice of Ektaal, kayda, palta and tehai.	Dance & Vocal music.	Adherence of vrule and decipline	Coordination with Vocal music.	
Nov	25	Continue western beata practice, folk beats pratice	To improve knowledge about different Taal.	Vocal music & Folk Music	Aiesthetic sense	Counting in Folk beats taal.	
Dec	22	Ektaal tukra and chakradhar and theka practice	To inculcate knowledge about taals	Dance & Vocal music.	Aiesthetic sense	Tali Counting in Taal.	
Jan	19	Sequence of table solo performance and knowledge of accompaninent.	To improve perfection	Perform Tabla in stage	Life sketch of any western musician	Hand Coordination	
Feb	22	Revision					

**SUBJECT: PHYSICAL EDUCATION**

Month	WD	Chapter/ Sub-Topics	Key Terms and Concept	Art Integration	Project / Practical	Research Work Blended Learning
April	23	<b><u>1. INTRODUCTION / PREAMBLE</u></b> 1.1 Rationale 1.2 Overall Objectives of Health and Physical Education 1.3 Mainstreaming HPE	<ul style="list-style-type: none"> <li>• Preambles</li> <li>• Objectives</li> <li>• Physical Education</li> </ul>	Ground Marking, Poster Making.	Diagram making of fields.	Student will find out the various definitions of HPE
May	10	<b><u>2. FOUR STRAND</u></b> 2.1 Introduction 2.2 The Objectives	Strands  Objectives  Procedure & Benefits .	Yoga chart making by students	Practical file making.	NA
June	15	<b><u>3. GAMES / SPORTS</u></b> 3.1 Athletics or Swimming 3.2 Team Games 3.3 Adventure Sports	Team Games Special Olympics, Paralympics, Deaflympics	Chart making of all Adventure Sports .	Practical file making.	NA
July	25	<b><u>4. HEALTH AND FITNESS</u></b>	Team Games Special Olympics, Paralympics, Deaflympics	Chart making of all Adventure Sports .	Practical file making.	NA
Aug	23	<b><u>5. SEWA (SOCIAL EMPOWERMENT THROUGH WORK EDUCATION AND ACTION)</u></b> 5.1 Introduction 5.2 Objectives 5.3 The SEWA Philosophy 5.4 Note to Class Teachers 5.5 The learning outcomes expected to be developed and fostered through participation in SEWA are experiential. 5.6 Guidelines for Schools 5.7 Guidelines for Students 5.8 What forms of social Empowerment Activity? 5.9 Activities Complying with SEWA criteria	Concept of SEWA          Fitness test.	Making of diet chart of different age group.       Picture chart making of fitness test.	Practical file making.	NA
Sept	12					
	16		Empowerment.	Making of sports	Practical file	NA

Oct		<p><b><u>5. SEWA (SOCIAL EMPOWERMENT THROUGH WORK EDUCATION AND ACTION)</u></b></p> <p>5.10 Guidelines for Mentor Teacher for conduct of SEWA  5.11 Procedures  5.12 My SEWA promise Form - Illustrative  5.13 SEWA Hourly Schedule  5.14 SEWA Hour Log (Illustrative)  5.15 SEWA Self Appraisal Form (Illustrative)  5.16 Flow Chart for Conducting a Project / Report / Event  5.17 Assessment and Evaluation  5.18 Exemplar Projects under Social Empowerment sub - strand of SEWA</p>	<p>Components of physical fitness,  Effect of exercise on</p> <p>SPORTS INJURIES</p>	<p>injuries  Chart.</p>	<p>making.</p>	
Nov	17	<p><b><u>6. HEALTH AND ACTIVITY RECORD</u></b></p>	<p>-Newton`s law and its application in sports.  -</p> <p>Personality`s – Definition and types</p> <p>Psychological attributes,  Self-esteem,  Mental imagery,  Self-talk,  Goal setting.</p>	<p>Picture chart making of Jung classification and big five theory.</p>	<p>Practical file making.</p>	<p>NA</p>

Dec	22	<b><u>7.TRANSACTIONAL STRATEGIES FOR THE STRANDS OF HPE</u></b>	<p><u>Strategies</u> Talent identification, Talent development. Sports training cycle – Micro, Meso and Macro,</p> <p>Types and method to develop – STRENGTH, ENDURANCE, SPEED, FLEXIBILITY, COORDINATIVE ABILITY.</p>	Pictorial chart making of sports training cycle.	Practical file making.	NA
Jan	19	<b><u>8.ASSESSMENT FOR THE STRANDS</u></b>  <b><u>* THE GRADES / LEVELS OBTAINED UNDER THE FIRST THREE STRANDS WILL BE REFLECTED IN THE REPORT CARDS.</u></b>	<p><u>Strategies</u> Talent identification, Talent development. Sports training cycle – Micro, Meso and Macro,</p> <p>Types and method to develop – STRENGTH, ENDURANCE, SPEED, FLEXIBILITY, COORDINATIVE ABILITY.</p>	Pictorial chart making of sports training cycle.	Practical file making.	NA
Feb	07					

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**SUBJECT : DANCE**

Month	WD	Chapter/Sub-Topics	Key Terms and Concept	Art Integration	Project / Practical	Research Work Blended learning
APRIL	23	Shiv Vandana started.	Rudraksh jewellery making.	Tandav and Lasya.	Integrate with mythology.	NO
MAY	11	Revision				
JUNE	15	Bharatnatyam Based Choreography	bharatnatyam based project	Basic rules of bharatnatyam Dance.	Integrate with History.	NO
JULY	25	Nritya & Natya	Complete introduction of theatre art.	Basic rules of theatre art	Integrate with Geography .	NO
AUG	23	Anga, Pratyanga & Upanga	Draw a diagram of the body labelling anga, pratyanga & upaanga.	Understanding the body.	Integration with science.	NO
SEPT	10	Revision				
OCT	16	Shirobheda Greevabheda & Drishtibheda	The art of moving our head, neck & eye on the classical rhythms.	Understanding the mobility.	Integration with science.	NO
NOV	25	Shirobheda Greevabheda & Drishtibheda (continues)				NO
DEC	22	Ganesh Vandana introduced.	Ganesh Vandana lyrics and meaning.	Lord Ganesha's life history	Integrate with Sanskrit.	NO
JAN	19	Any one Martial Art form of India.	Jewellery making of that particular dance.	Regional folk dance names learning.	Integrate with SST	NO
FEB					Integration with science.	NO

**SUBJECT – GENERAL KNOWLEDGE****TEXT BOOK : Upkar's General Knowledge**

<b>Month</b>	<b>W.D.</b>	<b>UNIT/ CHAPTERS</b>	<b>PAGE NO.</b>
April	23	Ch-1 Books & Authors Ch-2 The Fine Arts CH-3 Dates and Events Ch-4 Battles and Wars	19-40 42 43-58 70-71
May	10	Ch-5 Indian History and Culture	75-82
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