

### TERM AND MONTH-WISE SPLIT-UP SYLLABI OF CLASS – IX FOR THE SESSION 2023-2024

#### 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
	NOP					
APRIL	21	<b>BEEHIVE</b> <b>THE FUN THEY HAD</b>  <b>MOMENTS</b> <b>THE LOST CHILD</b>	<p>The Fun They Had is that of education.</p> <ul style="list-style-type: none"> <li>The theme of the story is the universality of a child's desire for everything that he claps his eyes on.</li> </ul>	<p>Integrated to computer subject . About computers how are they useful . Make a Power Point Presentation on a fair and mentions all the elements that you thinks closes the snap between the your childhood and adolescence.</p>	<p>Make a project on ' The Multitudinous impact of Blended Learning' .</p> <p>Make some abstract painting on a canvas or a graffiti.</p>	<p>Organize a survey in school within the teachers and understand the Merits and Demerits of online education.</p> <p>Write a Diary Entry on a visit to spring Fair..</p>
MAY	6	<b>POETRY</b> <b>THE ROAD NOT TAKEN</b>	<p>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.</p>	<p>Write an article on "National Dream : My son / daughter is gonna be a Doctor or an Engineer " .</p>	<p>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.</p>	<p>Make a project on "Peer Pressure".</p>
JUNE	15	<b>BEEHIVE</b> <b>THE SOUND OF MUSIC</b> <b>MOMENTS</b> <b>THE ADVENTURES OF TOTO</b> <b>POETRY</b> <b>WIND</b>	<p>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.</p> <p>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.</p> <p>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</p>	<p>Ted Talks of different celebrity to understand the mentality of a visionary</p> <p>Integrated to social Studies knowing about the apes.</p> <p>Integrated through Geography they understand the different types of wind movements.</p>	<p>Children should be encouraged to use dictionary to find out the meaning of difficult terms. understand your own Thesaurus chapter - wise for the words you find difficult words</p> <p>Personify Wind and write an autobiography.</p>	<p>Why is diamond found in the mines of coal. Correlate the above question with real life and answer the take reference of any personality who is your source of inspiration to continuously keep going.</p> <p>Make a project on different types of monkeys found in India along with their Scientific name, places where they are found and food that</p>

			tries to befriend his hardship, the wind so that it may help him instead of harming him.			they consume with a picture.
<b>JUL Y</b>	<b>24</b>	<b>BEEHIVE THE LITTLE GIRL MOMENTS ISWARAN THE STORYTELLER POETRY RAIN ON THE ROOF</b>	<p>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.</p> <p>Storytelling brings language learning alive and creates a participatory and immersive experience that allows Young Learners to enjoy hearing the language in a dynamic, sometimes stylistic and entertaining way. Participation using key vocabulary and phrases can create an awareness of rhythm and structure.</p>	How did the meaning of numbers changed 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.	Listern a story through a video and narrator it in own words  Write an article on "Rain - An Agent who Rejuvenates"	Make a family tree and jot down the responsibilities of every member.  On the basis of monsoon how has the forests been divided on India.
<b>AUG</b>	<b>24</b>	<b>BEEHIVE A TRULY BEAUTIFUL MIND MOMENTS IN THE KINGDOM OF FOOLS POETRY THE LAKE OF ISLE OF INNISFREE</b>	<p>Science should be solely devoted to the promotion of worldwide peace and prosperity</p> <p>How can introspection and retrospection help an individual to lead a peaceful life.</p>	Is it easy to handle professional and domestic life side by side.  What will be our stand if you get into such situation similar to that of the disciple?	Make a project on Einstein's contributions in the field of Physics.  Role Play  Peace is a Mirage. Write an article on this topic.	Why do people imagine of heaven when one can make it? Elaborate.
<b>SEP T</b>	<b>23</b>	<b>BEEHIVE 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 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.	Make a project on the endangered species of reptile.	Draw a poster on "Love Animals as They do Deserve to Live".	
<b>OCT</b>	<b>21</b>	<b>BEEHIVE MY CHILDHOOD MOMENTS THE HAPPY PRINCE POETRY A LEGEND OF THE NORTHLAND</b>	This story highlights the virtues of kindness and pity towards others. It also talks about sacrifice towards others. The Happy Prince could have retained his precious stones on his	Integred to history. Life study of the Abdul Kalam	Write a Biography on "APJ ABdul Kalam".  Emerald, Ruby and Sapphire are	Make a clay idol of a swallow.  The central idea of the poem is greed

			<p>body and retained his glory. But he decided to give them all away to help the poor and needy.</p> <p>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.</p>		<p>some rare stones. Make a project on their geographical locations where they are found?</p>	<p>and selfishness can result in serious complications. Greed is considered to be a cardinal sin. 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.</p>
<b>NOV</b>	<b>16</b>	<p><b>BEEHIVE REACH FOR THE TOP MOMENTS THE LAST LEAF POETRY NO MEN ARE FOREIGN</b></p>	<p>“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. Instead of complaining against the ills in society, one can dare to change the systems and shape one's own destiny. 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.</p>	<p>Art integred to PHE</p> <p>Art Integrated to Art education</p>	<p>Project on camping and hiking</p> <p>Make a project on Different cultural , religion,food habits of the countries</p>	
<b>DEC</b>	<b>22</b>	<p><b>BEEHIVE KATHMANDU MOMENTS A HOUSE IS NOT A HOME POEM ON KILLING A TREE</b></p>	<p>Kathmandu is particularly 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.</p> <p>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.</p> <p>The poem On Killing A Tree is that cutting of trees by humans is wrong. These trees are a part of</p>	<p>Art integred To geography learn to find the country on the map and important places.</p> <p>Art Integred to Social science learn about importance of tree and its uses</p>	<p>Write an article on “ Kathmandu’</p> <p>A family show report writing</p> <p>Project Poster Making on ‘ save our tree’</p>	<p>we learn that we must all try and maintain the purity and serenity of the holy places and practice thoughtful actions.</p> <p>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.</p> <p>To appreciate a poem dedicated to trees. To explain the</p>

			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.			importance of trees in today's world. To understand the conservation of the environment. To infer the meanings of 'idioms on trees'.
JAN	17	<b>BEEHIVE IF I WERE YOU MOMENTS THE BEGGAR POEM A SLUMBER DID MY SPIRIT SEAL</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.  The Beggar by Anton Chekhov we have the theme of change, dishonesty, alcoholism, kindness, compassion, desperation, struggle, selflessness and gratitude  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.	Art integrated to Economics_ topic Poverty  Art Integrated to social science	Project on making a pie-chart or Graph of poverty line of the year 2020 to 2022	Role play  Debate on Indian economics  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
FEB	22	REVISION	<u>REMIDIAL CLASSES</u>			

### विषय : हिन्दी

- निर्धारित पुस्तकें –
1. क्षितिज, भाग – 1 (एन.सी.ई., आर टी.)
  2. कृतिका, भाग – 1 (एन.सी.ई.आर.टी.)
  3. सरस्वती व्याकरण-निधि – न्यू सरस्वती हाउस प्रा. लि

माह	कार्यदिवस	पाठ	अवधारणा	कला एकीकरण	परियोजना	शोध व मिश्रित कार्य
April	21	क्षितिज-गद्य खंड- प्रेमचंद-दो बैलों की कथा पद्य खंड-कबीर दास- साखियों एवं सबद-1 ललदयद-वाख कृतिका- इस जल प्रलय में क्रमशः व्याकरण – शब्द निर्माण – उपसर्ग, प्रत्यय।	मानव और पशु के बीच के प्रेम को दर्शाना व स्वतंत्रता के लिए संघर्ष	स्वतंत्रता संग्राम के लिए प्रोत्साहित करने वाले किसी गीत की प्रस्तुति	मुंशी प्रेमचंद का जीवन परिचय लिखें।	भक्ति काल की निर्गुण विचार धारा के कवियों के नाम व उनकी रचनाओं का ज्ञान
May	06	व्याकरण –	अनुच्छेद व पत्र	अनुच्छेद-	एक-एक अनुच्छेद लेखन व पत्र लेखन	पत्र लेखन की शुरुआत कब

		अनुच्छेद-लेखन व पत्र-लेखन	लेखन के प्रारूप व शैली का ज्ञान	लेखन एवं पत्र-लेखन का ज्ञान	का अभ्यास	और कैसे हुई महत्त्वपूर्ण व्यक्तियों के पत्रों की खोज
June	19	क्षितिज- गद्य खंड-राहुल सांकृत्यायन-ल्हासा की ओर कृतिका-मेरे संग की औरतें। व्याकरण-शब्द निर्माण-समास (क्रमशः) लघुकथा-लेखन	यात्रा वृत्तांत लेखन ज्ञान	तिब्बत की सामाजिक व रीति-रिवाजों पर पीपीटी तैयार करना	राहुल सांकृत्यायन की जीवनी लिखें	छायावाद की मुख्य विशेषताओं व कवियों की रचनाओं की सूची तैयार करना
July	24	क्षितिज-गद्य खंड उपभोक्तावाद की संस्कृति पद्य खंड- रसखान-सवैये कृतिका - रीढ़ की हड्डी क्रमशः व्याकरण- समास वाक्य भेद (अर्थ की दृष्टि से ) संवाद लेखन।	समाज की सड़ी-गली मानसिकता को व्यक्त करना	रसखान के पुनर्जन्म की अपेक्षाओं द्वारा कृष्ण भक्ति का प्रदर्शन	रसखान द्वारा रचित सवैयों के आधार पर पीपीटी तैयार करें। परिचर्चा लड़कियों की शिक्षा व्यवस्था पर	रसखान की कृष्ण भक्ति संबंधित अन्य रचनाओं की खोज
Aug	24	क्षितिज -गद्यखंड- सौंवले सपनों की याद। पद्य खंड-माखनलाल चतुर्वेदी-कैदी और कोकिला कृतिका- रीढ़ की हड्डी समाप्त व्याकरण- अलंकार - शब्दालंकार अनुप्रास, यमक, अर्थालंकार - उपमा, रूपक।	परतंत्र भारत में भारतीय जेलों की व्यवस्था का ज्ञान	किसी स्वतंत्रता सेनानी का चित्र के साथ वर्णन	किन्हीं पाँच प्रसिद्ध स्वतंत्रता सेनानियों का सचित्र परिचय	टिहरी बाँध का चित्र लगाकर उससे संबंध में विचार व्यक्त करें
Sept	23	क्षितिज-गद्य खंड - पुनरावृत्ति पद्य खंड ग्राम श्री सुमित्रानंदन पंत कृतिका- पुनरावृत्ति। व्याकरण- पुनरावृत्ति, अर्द्धवार्षिक परीक्षा	ग्राम श्री कविता के प्रश्नों का लिखित अभ्यास। अर्द्धवार्षिक परीक्षा	वसंत ऋतु में किसी ग्रामीण परिवेश का वर्णन चित्र के साथ करें लिखित अभ्यास।	अपने ग्राम के परिवेश का वर्णन कीजिए।	गाँवों की भौगोलिक व सामाजिक स्थिति का पता लगाकर रिपोर्ट तैयार करें
Oct	20	क्षितिज-गद्य खंड- हरिशंकर परसाई- प्रेमचंद के फटे जूते। पद्यखंड-सर्वेश्वर दयाल सक्सेना- मेघ आए कृतिका- जगदीशचन्द्र माथुर - रीढ़ की हड्डी पूर्ण।	मेघरूपी मेहमान के आने पर ग्रामीण परिवेश में उसके स्वागत का वर्णन	प्रेमचंद का चित्र लगाकर उनकी जीवनी संक्षेप में लिखें।	वर्षा आने से पहले के दृश्य का वर्णन चित्र सहित करें।	प्रेमचंद के उपन्यासों एवं प्रमुख कहानियों के नामों की जानकारी प्राप्त करें।
Nov	16	क्षितिज -गद्य- महादेवी वर्मा-मेरे बचपन के दिन कृतिका - पुनरावृत्ति। व्याकरण - वाक्य भेद (अर्थ की दृष्टि से)	अपने बचपन किसी घटना का वर्णन	अपने स्कूली जीवन की किसी विशेष घटना का रोमांचक वर्णन करते हुए अनुच्छेद लिखें।	ग्रामीण परिवेश का वर्णन चित्र के साथ करें	अपने घर के किसी बुजुर्ग से उनके समय के सामाजिक परिवेश की जानकारी हासिल करें।
Dec	22	क्षितिज - गद्य खंड -पुनरावृत्ति। पद्य खंड - राजेश जोशी - बच्चे काम पर जा रहे हैं। कृतिका - पुनरावृत्ति। व्याकरण व्याकरण - समास (पुनरावृत्ति), लघुकथा-लेखन पुनरावृत्ति।	सामाजिक परिस्थितियों का ज्ञान	बच्चों से बचपन छीन लिए जाने की पीड़ा को व्यक्त करता हुआ चित्र लगाकर वर्णन करें	अपने परिवेश के प्रति जागरूक रहकर बाल श्रमिकों की दशा में सुधार करने का प्रयास	भारत सरकार द्वारा बाल श्रमिक उन्मूलन के लिए किए जा रहे प्रयासों का वर्णन करें।
Jan	17	पुनरावृत्ति।	पुनरावृत्ति।	पुनरावृत्ति।	पुनरावृत्ति।	पुनरावृत्ति।
Feb	24	वार्षिक परीक्षा	वार्षिक परीक्षा	वार्षिक परीक्षा	वार्षिक परीक्षा	वार्षिक परीक्षा

**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	21	मणिकातः				
June		प्रथमः पाठः अविवेकः परमापदां पदम्	व्यवहारिकज्ञानम्	विवेकस्य प्रयोगः कथं र्यात् अस्योपरि थानिर्माणम्	एतादृश्यान्याक थालेखनं सस्वरवाचनं च।	गद्यात्मकपाठाभ्यासः पदपरिचयः, शब्दार्थः अनुवादकार्यम्
July		व्याकरणतः				
		संस्कृतवर्णमाला	शब्द परिचयः लेखनम् पदपरिचयः च	संस्कृतवर्णमालायाः स्वरैः सह सुलेखलेखनम्	संस्कृतवर्णमाला याः लेखनं स्मरणं पुनः अभ्यासः च।	
		वर्णसंयोजनं वर्णवियोजनं च।	शब्द परिचयः लेखनम् पदपरिचयः च	-----	वर्णसंयोजनं वर्णवियोजनं माध्यमेन स्वपरिवारस्य सदस्यानां नामानि लेखनम्	
		उच्चारणस्थाना नि।	पदपरिचयः च	उच्चारणस्थानानि संगीतसाधनैः तालिका माध्यमेन	उच्चारणस्थान तालिकानिर्माण कार्यम्	
		स्वरसन्धिः दीर्घ -, गुण, वृद्धि, यण, अयादि।	शब्द परिचयः लेखनम्	गणितविषयेन सह मेलनम्	सन्धिनिर्माणं कथं क्रियते?	
		अपठित अवबोधनं, चित्रवर्णनम्, संवादलेखनम् च।	पदपरिचयः च	-----	बौद्धिकविकासः	
मई		मणिकातः				
		मणिकातः द्वितीयः पाठः पाथेयम्	व्यवहारिकज्ञानम्	-----	बौद्धिकविकासः	गद्यात्मकपाठाभ्यासः पदपरिचयः, शब्दार्थः अनुवादकार्यम्
जून		मणिकातः				

		तृतीयः पाठः विजयतां स्वदेशः।	व्यवहारिकज्ञानम्	इतिहास शिक्षकेन सह मेलनम्	वीरतायाः देशभक्त्याः च भावनयोः विकासः	गद्यात्मकपाठाभ्यासः पदपरिचयः, शब्दार्थः अनुवादकार्यम्
		व्याकरणतः				
		धातुरूपाणि पठ् -, अस्, कृ, पा, (परस्मैपदि पञ्चलकारेषु( सेव रुच्, याच् आत्मनेपदि ) (लट्लृट्लकारयोः नी, ह, भज्, पच् (उभयपदिनः) अनुवादार्थअस् -- धातुरूपाणि-, कृ, क्रुध्, लिख्, हस्, क्रीड्, पत्, वद्, पा(पिब), चल, स्था,(तिष्ठ्), नम्, गम्, कथ्, चिन्त्, (परस्मैपदि पञ्चलकारेषु( सेव् रुच्, याच् आत्मनेपदि ) (लट्लृट्लकारयोः नी, ह, भज्, पच् (उभयपदिनः)		-----	धातुरूपाणां स्मरणं लेखनं च।	
जुलाई		मणिकातः				
		चतुर्थः पाठः विद्या भान्ति सदगुणाः।	व्यवहारिकज्ञानम्	-----	विद्यायाः महत्त्वम्	गद्यात्मकपाठाभ्यासः पदपरिचयः, शब्दार्थः अनुवादकार्यम्
		व्याकरणतः				
		शब्दरूपाणि पुल्लिङ्गशब्दरूपाणि अकारान्तबालकवत् -, इकारान्तमुनिवत् -, उकारान्त - पितृवत्। -साधुवत् ऋकारान्त स्त्रीलिङ्गशब्दरूपाणि आकारान्तलतावत् - ईकारान्त नदीवत् ऋकारान्त - मातृवत्। - नपुंसकलिङ्गशब्दरूपाणि अकारान्तफलवत् -, इकारान्त - वारि	शब्द परिचयः लेखनम् पदपरिचयः च	-----	शब्दरूपाणां स्मरणं लेखनं च।	
		चित्रवर्णनम्, अनुवादः कारकपरिचयः (लङ्लकारे) (द्वितीयातः चतुर्थीपर्यन्तम्)		पदनिर्माणम्	अनुवादकार्यम्	
		संख्या 1-100 पर्यन्तम् )1-4	शब्द परिचयः	पदनिर्माणम्	संख्यास्मरणम्	

		केवलं प्रथमा विभक्तौ	लेखनम् पदपरिचयः च			
अगस्त		मणिकातः				
		पञ्चमः पाठः कर्णणा याति संसिद्धिम्	व्यवहारिकज्ञानम्	अन्या कथा माध्येन	पाठस्य व्याकरणज्ञानम्	गद्यात्मकपाठाभ्यासः पदपरिचयः, शब्दार्थः अनुवादकार्यम्
		षष्ठः पाठः तत् त्व असि।	व्यवहारिकज्ञानम्	अन्या कथा माध्येन	पाठस्य व्याकरणज्ञानम्	गद्यात्मकपाठाभ्यासः पदपरिचयः, शब्दार्थः अनुवादकार्यम्
		व्याकरणतः				
		प्रत्ययप्रयोगाः -क्त्वा, तुमुन्, शतृ, ल्यप्।	शब्द परिचयः लेखनम्	पदनिर्माणम् प्रत्ययै सह पदपरिचयः	प्रत्ययः परिचयः	
		उपपदविभक्तिप्रयोगाः- द्वितीयापरितः -, उभयतः, अभितः, सर्वतः, समया, निकषा, प्रति, विना, धिक्। तृतीया - सार्धम्/समम्/साकम्/सह, विना, अलम्, विना, सदृश, हीनअङ्गविकारे।/ चतुर्थीकुप् -, रुच्, दा(यच्छ), नमः, स्वाहा। अनुवादः लोट्लकारे।	पदपरिचयः च	-----	उपपदविभक्ति ज्ञानम्	
		व्यञ्जनसन्धिः वर्गीयप्रथमवर्णस्य तृतीयवर्णं परिवर्तनम् म् स्थाने (जश्त्वसन्धिः) अनुस्वारः	शब्द परिचयः लेखनम् पदपरिचयः च	गणितविषयेन सह मेलनम्	सन्धिनिर्माणं कथं/ किमर्थं क्रियते?	
		<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,	शब्द परिचयः लेखनम् पदपरिचयः च	<b>हिन्दी-आङ्गलभाषाभ्यां सह मेलनम्</b>	<b>अव्ययप्रयोगः</b> सन्धिनिर्माणं कथं/ किमर्थं क्रियते?	



		तथा, सम्यक्, एव				
		अपठित अवबोधनं, चित्रवर्णनम्, संवादलेखनम् च।	शब्द परिचयः लेखनम् पदपरिचयः च	-----		बौद्धिकविकासः
सित म्बर		अर्धवार्षिकी परीक्षायाः पु	अर्धवार्षिकी परीक्षायाः पु	अर्धवार्षिकी परीक्षायाः पु	अर्धवार्षिकी परीक्षायाः पु	अर्धवार्षिकी परीक्षायाः पु
अक्तू बर		मणिकातः				
		सप्तमः पाठः तरवे नमोऽस्तु।	व्यवहारिकज्ञानम्	नाट्यविधिना पाठस्य लयवद्धात्मकया गद्यपद्ययोः वर्णनम्।	वृक्षाणाम् अस्माकं जीवने उपयोगिता	गद्यात्मकपाठाभ्यासः पदपरिचयः, शब्दार्थः अनुवादकार्यम्
		व्याकरणतः				
		अपठित अवबोधनं, चित्रवर्णनम्, संवादलेखनम् पत्रलेखनं च।	शब्द परिचयः लेखनम् पदपरिचयः च	-----		बौद्धिकविकासः
नव म्बर		मणिकातः				
		अष्टमः पाठः न धर्मवृद्धेषु वयः समीक्ष्यते।	व्यवहारिकज्ञानम्	कथामाध्यमेन	राजाजनक- आष्टावक्रकथा ज्ञानम्	गद्यात्मकपाठाभ्यासः पदपरिचयः, शब्दार्थः अनुवादकार्यम्
		व्याकरणतः				
		उपपदविभक्तिप्रयोगाः - विना - पञ्चमी, बहिः, भी, रक्ष। षष्ठी - अधः, उपरि, पुरतः, पृष्ठतः, वामतः, दक्षिणतः। सप्तमी स्निह् -, विश्वस्, निपुणः, कुशलः,।	शब्द परिचयः लेखनम् पदपरिचयः च	-----		उपपदविभक्तिज्ञानम्
		प्रत्ययप्रयोगः क्त -, क्तवतु च।	शब्द परिचयः लेखनम् पदपरिचयः च	-----		वाक्ये प्रत्ययप्रयोगः
दिस म्बर		मणिकातः				
		नवमः पाठः कवयामि वयामि यामि।	व्यवहारिकज्ञानम्	संगीतशिक्षकेन सह	राजाभोजस्य काव्यप्रेमः	गद्यात्मकपाठाभ्यासः पदपरिचयः, शब्दार्थः अनुवादकार्यम्
		दशमः पाठः भारतीयं विज्ञानम्	व्यवहारिकज्ञानम्	कलाशिक्षकेन सह चित्रवर्णनम्	भारतीयविज्ञान स्य महत्त्वम्	गद्यात्मकपाठाभ्यासः पदपरिचयः,

						शब्दार्थः अनुवादकार्यम्
		व्याकरणतः				
		संख्यावाचकशब्दानां रूपाणि - एक-द्वि-त्रि-चतुर(त्रिषु लिङ्गेषु)	शब्द परिचयः लेखनम् पदपरिचयः च	-----	संख्यावाचिश ब्दरूपाणां स्मरणं लेखनं च।	
		अपठित अवबोधनं, चित्रवर्णनम्, संवादलेखनम् पत्रलेखनं च।	शब्द परिचयः लेखनम् पदपरिचयः च	-----	बौद्धिकविकासः	
		विसर्गसन्धिः सन्धिः - उत्त्वम्।	शब्द परिचयः लेखनम् पदपरिचयः च	गणितविषयेन सह लनम्	सन्धिः किमर्थं करणीयम्	
<b>जनव री</b>		मणिकातः				
		एकादशः पाठः भारतेनास्ति मे जीवनं जीवनम्।	व्यवहारिकज्ञानम्	<b>सङ्गीतशिक्षकस्य हायतया</b>	भारतदेशस्य विविधतायाः ज्ञानम्	गद्यात्मकपाठाभ्यासः पदपरिचयः, शब्दार्थः अनुवादकार्यम्
		व्याकरणतः				
		प्रत्ययप्रयोगः शतृ -, शानच् च।	शब्द परिचयः लेखनम्	-----	वाक्ये प्रत्ययप्रयोगः	
		कारकप्रयोगः कर्ता तु सम्बोधनपर्यन्तम्। पत्रलेखनम् चित्रवर्णनम्, अपठितगद्यांशः च। अशुद्धिसंशोधनम्	पदपरिचयः च	-----	कर्तृक्रियामेलन म् अनुवादकार्यम्	
		समासाः - अव्ययीभावसमासः, तत्पुरुषः, बहुव्रीहि, द्वन्द्वः च।	शब्द परिचयः लेखनम्	हिन्दीशिक्षकस्य हायतया	समाससन्धिर्म ध्ये भेदः	
<b>फरव री</b>		वार्षिकपरीक्षायाः पुनरावृत्तिः, वार्षिकपरीक्षा च।	वार्षिकपरीक्षायाः पुनरावृत्तिः, वार्षिकपरीक्षा च।	वार्षिकपरीक्षायाः पुनरावृत्तिः, वार्षिकपरीक्षा च।	वार्षिकपरीक्षा याः पुनरावृत्तिः, वार्षिकपरीक्षा च।	वार्षिकपरीक्षा याः पुनरावृत्तिः, वार्षिकपरीक्षा च।

**SUBJECT : MATHEMATICS**

- TEXT BOOK: 1. Mathematics for Class IX (NCERT)  
 2. Mathematics for Class IX (Textbook) (By R. S. Aggarwal, Bharti Bhawan)  
 2. Mathematics for Class IX(Reference Textbook) (B. K. Singh, Goyal Brothers Prakashan)  
 3. Lab Manual: Lab Manual of Mathematics of Class-9 (Arihant Publication)

Month	WD	Chapter/Sub-Topics	Key Terms and Concept	Art Integration	Project / Practical	Research Work Blended Learning
	NOP					
April	21/21	<p><b>Unit I : Number System</b>  <b>REAL NUMBERS</b>                      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.                      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.                      3. Definition of nth root of a real number.                      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.                      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>● Rationalisation</li> <li>● Exponents (n<sup>th</sup> root)</li> </ul>	<ul style="list-style-type: none"> <li>● Square Root spiral</li> </ul>	Activity 1 Activity 2  Project 1 (Story of $\pi$ )	PPT Group Discussion
		<p><b>UNIT II: ALGEBRA</b>                      1. <b>POLYNOMIALS</b> : 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. 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>	<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> <li>● Identity</li> </ul>	Graphical representation of polynomials of degree 1,2 and 3	Art Activity Activity 4 Activity 5  Project 2 (Application of algebra in day-to-day life)	Field Activity (integrated to Physical education)
May	6/6	Polynomials (Contd.....)				
June	15/15	2. LINEAR EQUATIONS IN TWO	<ul style="list-style-type: none"> <li>● Linear</li> </ul>	Art through	Activity 6	PPT

		VARIABLES: Recall of linear equations in one variable. Introduction to the equation in two variables. Focus on linear equations of the type $ax+by+c=0$ . 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.	<ul style="list-style-type: none"> <li>Equation</li> <li>Ordered pair</li> <li>Infinite solutions</li> </ul>	graph (Spider web)	Activity 8 Activity 9	Group Discussion
		UNIT III: COORDINATE GEOMETRY: The Cartesian plane, coordinates of a point, names and terms associated with the coordinate plane, notations	<ul style="list-style-type: none"> <li>Co-ordinates</li> <li>Cartesian Plane</li> <li>Notations</li> </ul>	Graphing Christmas on cartesian plane.	Activity 11 Activity 12	
July	24/24	UNIT IV: GEOMETRY 1. INTRODUCTION TO EUCLID'S GEOMETRY : History - Geometry in India and Euclid's geometry. Euclid's method 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) 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.	<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)	Activity 13 Activity 14  Project 3 (Chronology of Indian Mathematicians with their contribution)	PPT Group Discussion
		2. LINES AND ANGLES : 1. (Motivate) If a ray stands on a line, then the sum of the two adjacent angles so formed is $180^\circ$ 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.	<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	Activity 14 Activity 15	
Aug	23/23	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 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	<ul style="list-style-type: none"> <li>Congruent</li> <li>SSS</li> <li>ASA</li> <li>SAS</li> <li>RHS</li> <li>complementary and supplementary angles.</li> </ul>	Warli Art	Activity 16	PPT Group Discussion

		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.				
		REVISION FOR MID-TERM EXAMINATION. MID-TERM EXAMINATION QUESTION PAPER DISCUSSION	–	–	–	–
Sept	21/3	QUADRILATERALS AND PARALLELOGRAM: 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
Oct	21/21	QUADRILATERALS AND PARALLELOGRAM : (contd...) 5. (Motivate) In a parallelogram, the diagonals bisect each other and conversely. 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.			Activity 19  Project 4 (Deriving formula for the area of a cyclic quadrilateral)	PPT Group Discussion
Nov	16/16	<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. 3. (Motivate) Equal chords of a circle (or of congruent circles) are equidistant from the center (or their respective centers) and conversely. 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. 5. (Motivate) Angles in the same segment of a circle are equal. 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. 7.(Motivate) The sum of either of the pair of the opposite angles of a cyclic quadrilateral is $180^\circ$ and its converse.	<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>	Fine Art Activity  Field-work activity	Activity 21 Project	PPT Group Discussion
Dec	22/22	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> </ul>	Hands on activity		PPT Group Discussion

			• Dimension			
		Volume and Surface Area ( contd....)				
Jan	17/17	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 representation of daily life activities)		PPT Group Discussion
Feb	22/22	Revision for Annual Examination.	–	–	–	–
March		Annual Examination	–	–	–	–

## SUBJECT :PHYSICS [Science]

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
	NOP					
April	21/10	<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 find the nature of motion of various object happening in our surrounding.
May	06/03	<b>Motion (contd.):</b> Numerical on distance – time and velocity –time graphs for uniformly accelerated motion	<ul style="list-style-type: none"> <li>• distance–time and velocity–time graphs</li> <li>• uniformly accelerated motion</li> </ul>	To plot distance – time graph and find speed.	To plot velocity-Time graph and acceleration	Summer Vacation assignment.
June	19/08	<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	24/12	<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	24/12	<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	23/4	<b>Revision Half Yearly Examination</b>	•			

		<b>Discussion of Question Paper</b>				
Oct	20/09	<p><b>4. Floatation:</b></p> <p>Thrust and Pressure. Archimedes' Principle; Buoyancy; Variation of pressure inside the liquid, Elementary idea of Relative Density.</p>	<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 a) Tap water b) Strongly salty water with the weight of water displaced by it by taking at least two different solids.	Interpret the relation between universal constant and acceleration due to gravity.
Nov	16/06	<p><b>5. Work, Energy and Power</b></p> <p>Work done by a force, 1 Joule, types of work, Kinetic and Potential energy,</p>	<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	22/11	<p><b>5. Work, Energy and Power</b></p> <p>Law of conservation of energy, Rate of doing work (Power).</p>		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	17/09	<p><b>6. Sound:</b></p> <p>Nature of sound and its propagation in various media, speed of sound, range of hearing in humans; ultrasound; reflection of sound; echo.</p>	<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	24/04	<p><b>Doubt clearance &amp; Exercise Revision , Revision for Annual Examination Annual Examination</b></p>	•			

**SUBJECT : Chemistry**

**Text Book :** 1. Science Textbook for Class-IX NCERT  
2. Lab Manual Science-IX Rohit Publication

Month	WD	Chapter/Sub-Topics	Key Terms and Concept	Art Integration	Project / Practical	Research Work Blended Learning
	NOP					
April+ May	21+ 06/ 6	Chapter- Matter in our surroundings- Nature of the particles of the matter. Physical properties of solids, liquids and gases. Classify matter into solids, liquids and gases based on characteristic properties of the particles in them, Can Matter change its state?	<ul style="list-style-type: none"> <li>• Particles of the matter</li> <li>• Distinctive features of solid , liquid and gas.</li> <li>• Temperature</li> <li>• Kelvin Scale</li> <li>• Latent heat of fusion</li> <li>• Latent heat of vaporization</li> </ul>	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.
June	19/7	Ch- Matter in our surroundings. Continued..... Effect of change of pressure. Evaporation Factors affecting evaporation Sublimation and Condensation	<ul style="list-style-type: none"> <li>• Liquefaction of gas</li> <li>• Evaporation</li> <li>• Factors affecting evaporation</li> <li>• Boiling</li> <li>• Sublimation</li> </ul>	To make evaporation art	2.Determination of the melting point of ice and the boiling point of water	Role of steam engine in industrial revolution.
July	24/1 2	<b>Ch- Is matter around us pure</b> Elements, Compounds, Mixtures. Homogeneous mixture Heterogeneous mixture. Metals & Non-Metals, its physical properties. Physical and chemical change, its physical properties	<ul style="list-style-type: none"> <li>• Difference between mixture and compound</li> <li>• Types of mixture</li> <li>• Metals and non metals</li> <li>• Physical change and chemical change</li> <li>•</li> </ul>	Logo design using name of elements	3. Preparation of: a) a true solution of common salt, sugar and alum b) a suspension of soil, chalk powder and fine sand in water c) a colloidal solution of starch in water and egg albumin/milk in water and distinguish between these based on <input type="checkbox"/> transparency <input type="checkbox"/> filtration criterion <input type="checkbox"/> stability	To investigate the use of metals in different civilisation.



Aug	24/10	<p><b>Is matter around us pure</b></p> <p>True Solution, Colloids and Suspensions, Separation of mixtures</p>	<ul style="list-style-type: none"> <li>• Types of solution</li> <li>• Concentration of solution</li> <li>• Separation Techniques</li> </ul>	Chromatography Butterfly Craft	<p>4. Preparation of</p> <p>a) A mixture 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>	Application of colloids in medicines.
Sept		Revision and Term I Examination	•			
Oct	20/7	Ch- Atoms and molecules Atoms and molecules., Law of conservation of mass, Law of constant proportion	<ul style="list-style-type: none"> <li>• Laws of Chemical combination</li> <li>• Atom</li> <li>• Molecules</li> <li>• Types of molecules</li> </ul>	Poetry- 3 short lines that don't rhyme		History of law chemical combination
Nov	16/6	<p><b>Ch- Atoms and Molecules</b></p> <p>Contd.... Atomic mass and Molecular mass. Valency. Chemical formulae, Mole concept, Illustration &amp; exercises</p>	<ul style="list-style-type: none"> <li>• Atomic mass</li> <li>• Molecular mass</li> <li>• Ions</li> <li>• Valency</li> <li>• Framing of chemical formula</li> <li>• Numerical on mole concept</li> </ul>	Creation of Cross word puzzle	5. Verification of the law of conservation of mass in a chemical reaction.	What is importance of valency?
Dec	22	Ch- Structure of an atom Electrons, Protons and Neutrons.	<ul style="list-style-type: none"> <li>• Discovery of an electron</li> <li>• Discovery of proton</li> <li>• Discovery of electrons</li> </ul>	Clay modelling on model of atom.		
Jan		Ch- Structure of an	• J J Thomson's	Power		

		atom Continued.....  Model of Atom, Merits and Demerits of models of an atom. Isobars and Isotopes.	model of and atom • Rutherford's model of an atom • Bohr's model of an atom • Isotopes and isobars	point presentation on uses of isotopes and Isobars		History of isotopes and isobars
Feb		Revision Doubt clearance classes Annual Examination				

## SUBJECT : BIOLOGY [Science]

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
	NOP					
April + May	21+6	Chapter 5 The Fundamental Unit of Life – 1.What are living organisms made of? 2.Structural organization of cell, Cell membrane, Cell wall, nucleus, Cytoplasm. 3.Cell organelles – Endoplasmic reticulum, Golgi bodies, Lysosome, Mitochondria, Plastids & Vacuoles, Cell Division	<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 8. Endoplasmic reticulum 9. Golgi bodies 10. Lysosome	Fruit Salad showing cell or cell organelle	1.Spotting - Muscle Cell (smooth muscle) -nerve cell - animal cell - plant cell 2. Preparation of temporary mount of onion peel (plant cell)	Making of Potato Osmometer
June		Mitochondria, Plastids & Vacuoles, Cell Division	<u>Key Terms :</u> 1. Mitochondria 2. Plastids 3. Vacuoles 4. Mitosis 5. Meiosis			
July		Chapter 6 Tissues – Are plants and animals made of same type of tissues	Key terms 1. Meristematic tissue 2. Apical Meristem 3. Lateral Meristem 4. Intercalary meristem 5. Epidermis 6. Cork 7. Stomata		Spotting : Various Plant tissues	Write an article “ plants living plants generate electricity”
Aug		Tissues Plant Tissues – Meristematic, Simple & Complex Permanent tissues in plants.	Key Words 1.simple permanent tissue 2. parenchyma 3. collenchyma 4.sclerenchyma 5.complex permanent tissue 6. xylem 7. phloem			

Sept		Revision + Term I				
Oct		Structure and function of Animal tissues – Epithelial tissue, Tissues (Contd..) Structure and function of Animal tissues – Epithelial, Connective, Muscular, Nervous tissue.	4. Animal tissues 5. Epithelial tissue (squamous, cuboidal, columnar, ciliated, glandular) 6. Connective tissue (areolar, adipose, bone, cartilage, blood, lymph, ligament, tendon) 7. Muscular tissue (straited, smooth, cardiac) 8. Nervous tissue (neuron & glial cells)	Spotting : Various animal tissues		Make a research project on Cancer, its types, causes and cure.
Nov		Chapter 15 Improvement in Food Resources- Improvement in crop yields - Crop variety improvement	<u>Key Words</u> 1.crop Variety Improvement 2.crop Production Improvement 3. crop Protection Management 4.Sustainable methods in Agriculture 5. Abiotic & Biotic Factors 6. Desirable agronomic characters	Write a report on GM varieties of crops		
Dec		(Contd..) Chapter 15 Improvement in Food Resources Crop production management - nutrient management, use of fertilizers, manures, irrigation, cropping patterns. Crop protection management -protection form pests and diseases, Storage of grains ,organic farming. Animal Husbandry- cattle farming, poultry Farming (Egg and broiler production), Fish production (Marine & Inland fisheries). Bee keeping.	<u>Key words :</u> 1.Hybridization 2.Genetically Modified crops 3. Fertilizers 4. Manure 5. Green Manure 6. Crop Rotation 7. Intercropping 8. Multiple Cropping 9.Pesticides 10. Weedcides 11. Animal Husbandry	Ek Bharat Shrestha Bharat : Study any 5 states of our country . Explain & represent pictorially their staple food, climate, soil, dance form, language, indigenous tribes & art etc.		Explain the role of Agriculture in attaining sustainable development goals
Jan		Revision				
Feb		Term II				

**SUBJECT : : HISTORY+SPL**

Text Book: NCERT.

1. India and The Contemporary World-1

2. Democratic Politics- 1

Month	WD	Chapter/Sub-Topics	Key Terms and Concept	Art Integration	Project / Practical	Research Work Blended Learning
	NOP					
April	21/08	<p><b>HISTORY-Chapter-2. Socialism in Europe and the Russian Revolution.</b>                      The Age of Social Change                      • The Russian Revolution                      • The February Revolution in Petrograd                      • What Changed after October?                      • The Global Influence of the Russian Revolution and the USSR                      Russian Revolution.                      . What is socialism and why socialism Vs. Capitalism?                      and Imperialism.                      .The Crisis of Tzarism in Russia and the Russian economy and society under Tzarism,                      . Growth of revolutionary Russia 1905-1917 and outbreak of the revolution.                      The changes in Russia after October Revolution 1917;                      (a) Making of Socialist Society and Lenin                      (b) Making of Communist society under Stalin.                      . The Global influence of the Revolution and its Legacies to the Modern World.</p> <p><b>SPL.Ch-2: Constitutional Design.</b>                      Designing of Democracy in India:                      1. Why does India adopt democracy?</p>	<p>Liberals, Radicals and Conservatives.                      Industrial Society.                      Cooperative Movement.                      Communist International.                      Economy and Society.                      Turbulent time and the 1905 Revolution.                      Jadidists.                      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.</p> <p>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</p>	<p>Timeline chart on events of Russian Revolution</p> <p>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.</p>	<p>1.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.                      2.Project On Life and Achievements of Lenin / Stalin.</p> <p>SPL— Chapter 2 Photo Album on the Makers of Indian constitution with needful foot notes.</p>	<p>The Farmers Bill -2020--A case study</p>

		2. Need of a constitution and the framing of the constitution 1946 – 1950. 3. The Guiding Values (Principles ideologies and Philosophy) of Indian Constitution 4. The salient features of Indian constitution.	design. Amendments.			
May	06/12	5. How is democracy in India being constantly Designed and Redesigned. 6. Constitution and the process of its amendments.				
June	19	<p><b>Chapter 1.3</b> <b>III. Nazism and the Rise of Hitler:</b></p> <ul style="list-style-type: none"> <li>• Birth of the Weimar Republic</li> <li>• Hitler’s Rise to Power</li> <li>• The Nazi Worldview</li> <li>• Youth in Nazi Germany</li> <li>• Ordinary People and the Crimes Against Humanity many.</li> </ul> <p>(i) First World War &amp; Role of Germany (ii) Treaty of Versailles &amp; its Impact on Germany (iii) Rise of Hitler as a Dictator &amp; aggressive Foreign Policy (iv) Characteristics of Dictatorship. (v) NAZI: Ideologies, the main Features</p> <p><b>SPL -Ch-: Electoral Politics.</b> Meaning need of election - features of democratic. election electoral competition merit and demerit election system in India - Challenges of free &amp; fair election</p>	<p><u>International Military Tribunal.</u> <u>War Guilt and war Crimes Against Humanity.</u> <u>Genocidal War.</u> <u>Imperial Germany.</u> <u>National Assembly.</u> <u>Weimer Republic.</u> <u>Reichstag.</u> <u>November Criminals.</u> <u>Political Radicalism.</u> <u>Free Corps</u> <u>War reparations.</u> <u>Hyper inflations.</u> <u>Dawes Plan.</u> <u>Article 48.</u> <u>Prolétariarisation.</u> <u>Nazi Propaganda.</u> <u>Concentration Camps.</u> <u>Economic Reconstruction.</u> <u>Axis and allied power.</u> <u>The Nazi world views.</u> <u>Racial Utopia.</u> <u>Youth in Nazi Germany.</u> <u>Jung Volk.</u> <u>The Art of propaganda.</u> <u>Holocaust.</u></p> <p><u>Election mechanism.</u> <u>Need of election in democracy.</u> <u>Democratic election</u></p>	<p><u>Look at figs 23,24,&amp; 27 page (67).</u> <u>Imagine yourself to be a Jew or a Pole in Nazi Germany and draw a poster.</u></p> <p><u>As a candidate of a political party -Make an attractive poster for election campaign in your constituency</u></p>	<p>How would you have reacted to Hitler’s Ideas if you were: (i) A Jewish Woman (ii) A Non-Jewish.</p> <p>Make a project on the topic— 'Educational qualification should be mandatory for a candidate to fight the election.’’</p>	<p>Do a Research: Have you ever thought of the stereotypes of other communities that people around you? If yes enlist them in a project file.</p> <p>Read the manifesto of any national political party of India and try to find out how are they implemented by the ruling</p>



		<p>Monarchy and Dictatorship. Merits of Democracy  iii. Demerits of democracy and challenges to democracy in India.</p>	<p>Democracy and democratic government.  Democratic and non-democratic government.  Direct democracy and representative democracy.  Free and faire electoral competition.  One person, one vote and one value.  Adult franchise.  Arguments for and against democracy.  Broader meaning of democracy.</p>	<p>Draw a picture of a non-democratic ruler related to dictatorial regime showing the concentration of power in one hand .</p>		
Aug	24	<p><b>SPL-Ch-4: Working of Institutions.</b> Indian Parliament, Composition, Working Procedure, law making process &amp; parliamentary control over executives. &amp; the government. The president of India; Powers &amp; Position.  2. The Prime Minister &amp; Union Council of Ministers.  3. The Indian Judiciary; Supreme Court of India; Composition &amp; jurisdiction.</p>	<p><u>Office memorandum.</u>  <u>SEBC.</u>  <u>Decision makers.</u>  <u>Political institution.</u>  <u>Reservation quota.</u>  <u>Need of a political institution.</u>  <u>Executive.</u>  <u>Legislature / parliament.</u>  <u>Bill and process of making of law.</u>  <u>Judiciary.</u>  <u>Adjournment motion.</u>  <u>No confidence motion.</u>  <u>Impeachment Moton.</u>  <u>Prime minister,</u>  <u>Council of ministers and Cabinet minister.</u>  <u>Collective responsibility.</u>  <u>Coalition government.</u>  <u>Parliamentary and presidential government.</u>  <u>Integrated and independent judiciary.</u>  <u>PIL. Lok Adalat .</u>  <u>Judicial Review,</u></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 Dordarsan 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” A report on Class Debate</p>

Sept	23	<b>Revision of SA-I Portion.</b> <b>(a) School Assignment</b> <b>(b) H.W. / C.W. (c) Model Q.</b> <b>Paper on HY Half Yearly Examination</b>				
Oct	20	<b>History-Unit -2: Livelihoods, Economies &amp; Societies Chapter-4</b> Livelihoods, Economies and Societies: Forest Society and Colonialism: • Why Deforestation? • The Rise of Commercial Forestry • Rebellion in the Forest 1. The relationship between forest & livelihood 2. Changes in Forest Management under British Rule. a. Deforestation b. Rise of Commercial forestry. 3. Forest Acts & its impacts on the life of Forest People 4. Rebellion in Forest; Case Study Bastar .	<u>Deforestation and its causes.</u> <u>Plantations</u> <u>Scientific forestry.</u> <u>Forest act 1878.</u> <u>Uses of forests</u>	<u>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 track</u>	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.	Do a Research work: If you were the government of India in 1862 & responsible for supplying the railways with sleepers & fuel on such a large scale, what were the steps you would have taken?
Nov	16	<b>History Chapter 5 – Pastoralists in the Modern World.</b> 1.Pastoral Nomads and their Movements 2.Colonial Rule and Pastoral Life 3.Pastoralists in the mountains 4.Pastoralists in the plateaus and Mountains. 3.Colonial rule and the pastoral life. 5. Effects of the changes on the lives of pastoralists. 6.Adaptations of pastoralists with the changes.	<u>Gujjars of Bakarwalas</u> <u>Gaddi shepherds of Himachal Pradesh.</u> <u>Bhabar and Bugyals.</u> <u>Dhangrs , Raikas</u> <u>.Gollas .</u> <u>Forest rules and tribal lives.</u>	<u>Draw a picture of the migration of different cattle's with the pastoralist nomads of Himachal Pradesh</u>	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.’
Dec	22	<b>SPL-Ch-6:</b>	<u>Meaning and</u>	<u>Draw and</u>	Debate on.	



		<p><b>Democratic Rights.</b> Life without Rights</p> <ul style="list-style-type: none"> <li>• Rights in a Democracy</li> <li>• Rights in the Indian Constitution</li> </ul> <p>Meaning &amp; need of Rights in Democracy Fundamental Rights granted under the constitution of India. Independence of Judiciary &amp; Protection of Fundamental Rights. Expanding scope of rights</p>	<p><u>definition of rights and democratic rights.</u> <u>Need of rights in democracy.</u> <u>Fundamental Rights.</u> <u>Social , economic and political rights to equality and exceptions.</u> <u>Rights to freedom.</u> <u>Rights against exploitations.</u> <u>Traffic in human beings.</u> <u>Right to profess, practice and propagate.</u> <u>Rights to constitutional remedies.</u> <u>Human rights.</u> <u>Expanding scope of Rights.</u> <u>International covenant on economic, social and cultural rights</u></p>	<p><u>write on a plain sheet all the fundamental Rights given to the citizens by the constitution of India.</u></p>	<p>Expansion of Democratic Right in India shall be no use unless people are not literate followed by report.</p>	<p>Inclusive with Legal Literacy Club</p>
Jan	17	<p><b>History</b> <b>Chapter -1.3</b> <b>III. Nazism and the Rise of Hitler:</b></p> <ul style="list-style-type: none"> <li>• Birth of the Weimar Republic</li> <li>• Hitler’s Rise to Power</li> <li>• The Nazi Worldview</li> <li>• Youth in Nazi Germany</li> <li>• Ordinary People and the Crimes Against Humanity many.</li> </ul> <p>(i) First World War &amp; Role of Germany (ii) Treaty of Versailles &amp; its Impact on Germany (iii) Rise of Hitler as a Dictator &amp; aggressive Foreign Policy (iv) Characteristics of Dictatorship. (v) NAZI: Ideologies, the main Features. <b>SPL -Ch-: Electoral Politics.</b> Meaning need of election - features of democratic. election electoral</p>	<p><u>MCQ Tests . Very Short Answers practice</u></p>	<p><b><u>Short Answers Practice</u></b></p>		<p><b>Long answers practice</b></p>

		competition merit and demerit election system in India - Challenges of free & fair election				
<b>Feb</b>	<b>24</b>					

**SUBJECT :GEOGRAPHY [Social Science]**

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

Month	W. D. / NOP	Chapter/ Sub-Topic	Key Terms and Concept	Art Integration Topics	Project / Practical	Research Work Blended Learning
April	21	Ch- 1: India Size & Location 1.Location 2.Size 3.India and the world 4.India's Neighbour	1.Latitudes 2.Longitudes 3.Tropic of cancer And Capricorn 4.Standard Meridian 5.Provinces and Princely States	Take an opinion from your neighbours, friends family members whether we should have multiple time zones in India. Compile your report in a tabular format mentioning the reasons for having the same	<b>Map Work:-</b> i)Physical Outline (India)- India: Extent & Standard Meridian	Should picking of corals & sea from the shores of the Island territories be banned? Do a survey & make a collage report
					ii) Physical Outline (India)- India on International Highway of Trade & Commerce	
May + June	6+19	Ch- 1: India Size & Location		History: India's Relations with the neighbours	iii) Political Outline (India)- India & Adjacent Countries	Collect information about the Silk Route & the Sea route followed by Vasco da Gama & prepare a project
July	24	Ch-2: Physical features of India Major Physiographic Division The Northern Plain i. The Peninsular Plateau ii. The Indian Desert iii. The Costal Plains The Island	Gondwana land Tethysys sea Shiwaliks Western ghat Eastern ghat Dunes Coral	Prepare a two-minute speech/extempore on a relief feature of India	<b>Map Work:-</b> i)Physical Outline (World)- World Plate Margins ii)Physical Outline (India)- Himalayas	Choose any one man-made/natural disaster which your area may be vulnerable to. Make a report collage on it
		Ch-2: Physical features of India (contd.)		Disaster- The Role of Students Biology: Coral Reefs	iii) Physical Outline (India)- Relief	Do a survey: The diverse physical features of India have vast possibilities of development
August	24	CH-3 Drainage Drainage System of India The Himalayan	Drainage Nile Amazon River System Dakshni Ganga	Water quality and flood management in rural and urban areas	Physical outline map-Rive rand lake of India	Research work about River pollution.

		River The Peninsular River Lakes and River System River Pollution.	Ox-Bow NRCP			
Sep	23	<b>Revision + Term I Exam</b>				
Oct	20	Ch-4: Climate ◆Climate ◆Weather ◆Climatic control ◆Monsoon ◆Four seasons ◆Distribution of rainfall	Climate Weather Monsoon ITCZ Jet stream El-Nino Mahawat Loo Kaal Baisakhi Mango shower	Collect monsoon data of the current year from the Internet. Find out whether the monsoons were. Make a Puzzle Board Game Physics: Coriolis Force	Map Work:- i)Physical Outline (World Map)- Atmospheric Conditions over the Indian Subcontinent In the Month of January & June	Debate: Different rivers & manage the water needs or Activity: Preparation of chart showing Major Pressure Belts & Wind Belts of the Earth
				Civics: Monsoon as a Unifying Bond	ii)Physical Outline (India)- Advancing & Retreating Monsoon iii) Physical Outline (India)- Seasonal Rainfall(JuneSe ptember) & Annual Rainfall	Do a Survey & Prepare a PowerPoint presentation on the monsoon activity in the Indian Subcontinent, including reference to the El Nino Southern Oscillation
Nov+Dec	16 +22	Ch-5: Natural Vegetation & Wildlife Vegetation Type of vegetation Wildlife in India Conservation of flora and fauna.	Virgin vegetation Flora and Fauna Medicinal Plants Biosphere reserves Migratory Birds.	Collect information on Forest Rights & Environmental Policy of the government in the 8th, 9th & 10th year plans. Give your views on how these policies would help/hinder conservation	i)Physical Outline (India)- Areas of forest (Thematic) Natural Vegetation	Case Study- On shifting cultivation & its impact in India/World
				Topic- AatmaNibhar Bharat AbhiyanEmployment push using CAMPA (Compensatory A forestation Management & Planning Authority) funds- forest protection, forest and wildlife related infrastructure development, and wildlife protection and management.	ii)Physical Outline (India)- Wildlife Reserves- Wildlife & Bird Sanctuary & National Park	Do a Survey- 'Deforestation: 'A boon or a Bane' or 'Causes of ecological imbalance

January	17	CH-6- Population- Population size and distribution Population growth and process of Population change	<b>Population density Birth rate Death rate Migration Sex ratio</b>	Art representation about distribution of population and India age composition by circle digram in chart paper.	Represent density of Population in the map of India.	10-10 Points about- Cause of population And Control of populatiopn.
Feb.	24	Revision + Term II Exam  <b>Revision through quiz, doubt, clearance classes and mock test etc.</b>  ANNUAL EXAMINATIO N				
March	21					

## SUBJECT : ECONOMICS [Social Science]

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

Mon th	WD	Chapter/Sub-Topics	Key Terms and Concept	Art Integration	Project / Practical	Research Work Blended Learning
	NOP					
April	21/08	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	Project on modern farming methods.	Activity
May	06	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	Project on Human capital formation and its importan ce.	Research: Students can conduct research on the concept of 'People as Resource' and gather informatio n on the
June	19	<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			
July	24	<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>Project on the different schemes launched by govt to eradicate poverty</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>
Aug	24	<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	23	REVISION FOR THE TERM-I EXAMINATION				
Oct	20	<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, NSSO, PDS, AAY, MSP,</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 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</p>	<p>Project on the roles of FCI and functions of PDS.</p>	<p>Examine government policies and programs: India has several government policies and programs aimed at addressing food security, such as the Public Distribution System,</p>

				awareness about the issue.		Mid-Day Meal Scheme, and National Food Security Act. Analyze these programs to determine their effectiveness in addressing food insecurity
Nov	16	REVISION FOR ANNUAL EXAM				
Dec	22					
Jan	17					
Feb	24					

## **SUBJECT : INFORMATION TECHNOLOGY (402)**

**Text Book :** 1. NCERT

2. Essentials of Information Technology (Preeti Arora)

Month	W. D	Chapter/ Unit/Sub-Topics	Key Terms & Concept	Art Integration	Project / Practical Work	Research Work Blended Learning
	NOP					
April	21	Part B: Unit-I Introduction to IT-ITeS Industry: Introduction to IT and ITeS, BPO services, BPM industry in India, Structure of IT-BPM industry IT in education, IT in daily life Applications of IT	IT and ITes BPO, BPM ,Structure of IT- BPM	Make a scrap book on “IT Industry”. Topics to be added in the Scrap book: Introduction of IT and ITeS How IT is involved in daily life Applications of IT What is your view for IT, it is Boon or Curse? Scrap book should be handwritten and decorate the front page. Paste image if required.	Identify and list the various IT enabled services, observed the application of IT in various areas.  Students will see the practical approach towards IT Industry.	List out the places where you can see IT has been used. List out the applications of IT
May	06	Part A: Self-management skills:- Meaning and Importance of Stress Management Stress Management Technique Self-confidence and positive thinking Personal hygiene and self-grooming	Build self - confidenc e Stress managem ent technique s Types of self - Awarenes s	Make a poster on Yoga which will explain how yoga is helpful in releasing stress.	Write about various stress management techniques and its after effect.	List out the yoga techniques and some motivational quotes.

June	19	<p>Part B: Data entry and keyboard skills: Types of keys on keyboard, numeric keypad, home keys, Guide keys Typing and deleting text, positioning of fingers on the keyboard, allocation of keys to finger on four different rows Pointing device - Mouse, mouse operation Introduction to Rapid Typing Tutor Calculating typing speed</p>	<p>Keyboarding Skills Types of keys on keyboard Positioning of fingers on the keyboard Pointing devices Mouse operations</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>
July	24	<p>Part A: Communication Skills: - Ways of communication Elements of communications Importance of communication skills Verbal and non-verbal methods of communication D. Communication barriers E. Ways to handle communication barriers F. 7C's of effective communication</p>	<p>1.7 C's 2. types of communications 2. Writing Skills 3, Factors Affecting in Communications</p>	<p>Virtual meeting with different state school students with different languages. 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.  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>List out the various examples of communication that you can notice around you in daily life.</p>
Aug	24	<p>Part B: Digital Documentation: - Introduction to word processing software: Libre Office Writer Creating a document, parts of Writer window, Cursor, and mouse pointer Text editing - undo and redo, moving and copying text, Copy and Paste, selecting non-consecutive text, selecting a vertical block of text Find and replace, jumping to the page number, Nonprinting characters, checking spelling and grammar,</p>		<p>Make a poster and write about all the shortcut keys used in Libre Office writer. Paste image related to the shortcut key.</p>	<p>Students will do the practical using these features in Libre Office Writer. List the available word processing applications. Introduce with the parts of the main window. Change document view</p>	<p>List out the various page formatting options with its shortcut keys.</p>

		Using synonyms and the Thesaurus. 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				
Sept	23	Project work and Revision				
Oct	20	<p>Part B: Digital Documentation(contd.): - Page formatting- setting up basic page layout using styles, Inserting page break Creating header/footer and page numbers Inserting images, shapes, special characters in a document, dividing page into columns Creating table in writer, inserting row and column in a table, deleting rows and columns, deleting a table, copying a table, moving a table Concept of Mail merge</p> <p>Part B: Electronic spreadsheet: Introduction to spreadsheet application: Libre office calc. Parts of Libre office calc. Worksheet - rows and columns, cell and cell address Range of cells: column range, row range, row, and column range Different types of data, entering data - Label, values, formula, mathematical operators used in formulae Simple calculations using values and operators Commonly used basic functions- SUM, AVERAGE, MAX, MIN, COUNT Formatting tool: Formatting a range of</p>			Students will do the practical in Libre Office Writer and Libre Office Calc.	List out the various places where you use Libre Office Calc and save the time.



		cells with decimal places, formatting alignment of a cell range Concept of referencing: Relative referencing, Absolute referencing and Mixed referencing Charts in spreadsheet				
Nov	16	Part A: Green skills:- Natural Environment Influence on Environment Natural resource conservation Green Economy and Green skills Part B: Digital Presentation: Introduction to Presentation Software: Impress Parts of Impress window, creating a presentation using template, selecting slide layout, saving a presentation, running a slide show. Inserting a duplicate slide, new slide, slide layout, copying and moving slides, deleting and remaining slide Formatting toolbar: various formatting features, text alignment, bullets and numbering		1. Make a poster on “Save Nature - Save Earth”. Write one message regarding save nature and save earth.  2. Using waste material make some useful thing. For example: Make flowerpot using old plastic bottle.	Students will do the practical in Libre Office Impress to create presentation.	List out various types of templates for creating presentation.
Dec	22	Part B: Digital Presentation(contd.): Inserting tables in presentation: Entering and editing data in table, adjusting column width and row height, table borders and background Inserting and format image: inserting and image from a file, from gallery, moving images, re-sizing images, rotating images Drawing graphics, grouping and un- grouping objects Slide master		-	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.
Jan	17	Part A: Entrepreneurial Skills: Entrepreneurship vs. Business Entrepreneurship vs. Employment Entrepreneurship Development process		-	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

		<p>Entrepreneurship and Society Functions and Myths of Entrepreneur Advantages and Disadvantages of Entrepreneurship Types and Fields of Entrepreneurship</p> <p>Part A: ICT Skills Introduction Role and importance of ICT in our lives Basic Components of a computer System Peripheral Device and their uses Performing Basic Computer operations Operating System.</p>			<p>Creating managing a folder Scanning and cleaning Viruses Removing Temporary files.</p>	ideas.
Feb	24	<p>Revision of SA-II Portion. (a) School Assignment (b) H.W. / C.W. (c) Model Q. Paper on Yearly Examination</p>				
March	21					

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

Month	WD	Chapter/Sub-Topics	Key Terms and Concept	Art Integration	Project / Practical	Research Work Blended Learning
	NOP					
April	21	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	06					
June	19	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	24					
Aug	24	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	23					
Oct	20	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	16					

Dec	22	Christmas Song "We three kings"	Concept About • Four By Four Beat Structure • Scale and its type	Difference between Indian Rhythm and western rhythm	Western notation and sound system	Songs related other western culture
Jan	17	Song from Almann "Gaye ja aye Rahi"	Concept About • Kaafi Raag And its different Chalan • Swar and its type	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 Dhaiwat
Feb	22	<b>Term II EXAMINATION</b>				
Mar	17	<b>Revision "All Songs"</b>				

## SUBJECT :ART AND CRAFT

Month	WD	Chapter/Sub-Topics	Key Terms and Concept	Art Integration	Project / Practical	Research Work Blended Learning
	NOP					
April	21	1)Landscape in pencil shading 2)Portrait study	Elements of art	Shape & Size . trigonometry	<u>Prepare a chart of pencil shade.</u>	Make Landscape in pencil shading.
May	26	1) Portrait study	Elements of art	Literature- potrait painting of famous personality	<u>Draw a portrait of any one sports personalities.</u>	Biography.
June	19	1)Rajasthani miniature Art 2)Mughal 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
July	24	1)Acrylic or oil painting on canvas 2)Composition in Watercolor	Elements of art	Knowing 3D shapes in maths	<u>Draw a flower by Acrylic Color.</u>	Techniques to use Acrylic Color.
Aug	24	1)Acrylic or oil painting on canvas 2)Composition in Watercolor	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
Sept	23	1)Glass painting Assessment -I	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.

Oct	20	1)Glass painting 2)Madhubani 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
Nov	16	1)Madhubani painting 2)Composition in Watercolor	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
Dec	22	1)study of Design a)Natural b)Geometrical c)Ornamental d)Abstract	Elements of art	Maths, shapes, symmetry	Draw a Rangoli on your own idea.	Students will draw a Symmetrical design using different shapes.
Jan	17	1) Ivory paper craft	Elements of art	Animals and bird drawing in science and literature too	<u>Make a bird with Ivory paper.</u>	Make a Mask using Ivory Sheet
Feb						

### SUBJECT : INSTRUMENT MUSIC

Month	W. D.	Chapter/Unit	Key Terms and Concept	Art Integration Topics	Project / Practical Work	Research Work Blended Learning
April	21	Style of different Gharanas Composition Writing Hasta sadhan.	Knowledge of Notation	Number Counting.	Practice for different ghrana bol.	Count with finger.
May	6	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	24	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	24	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	23	Revision Practice & Term - I Examination.				

Oct	21	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	16	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	17	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 & Assignment , Term - II Examination					
March	17	Bridge classes with Kaharwa and Dadra taal					

## **SUBJECT : HEALTH CARE (CODE NO. 412)**

**HEALTH CARE ( CODE NO. 413 ) CLASS - IX ( SESSION 2023 - 24 )**

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#### **1. INTRODUCTION / PREAMBLE**

- 1.1 Rationale
- 1.2 Overall Objectives of Health and Physical Education
- 1.3 Mainstreaming HPE

#### **2. FOUR STRAND**

- 2.1 Introduction
- 2.2 The Objectives

#### **3. GAMES / SPORTS**

- 3.1 Athletics or Swimming
- 3.2 Team Games
- 3.3 Adventure Sports

#### **4. HEALTH AND FITNESS**

#### **5. SEWA ( SOCILA EMPOWERMENT THROUGH WORK EDUCATION AND ACTION)**

- 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 a social Empowerment Activity
- 5.9 Activities Complying with SEWA criteria
- 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

#### **6. HEALTH AND ACTIVITY RECORD**

**7. TRANSACTIONAL STRATEGIES FOR THE STRANDS OF HPE**

**8. ASSESSMENT FOR THE STRANDS**

**\* THE GRADES / LEVELS OBTAINED UNDER THE FIRST THREE STRANDS WILL BE REFLECTED IN THE REPORT CARDS.**

**SUBJECT GK CLASS-VIII**

**TEXT BOOK : Upkar's General Knowledge**

Month	W.D.	UNIT/ CHAPTERS	PAGE NO.
April	21	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
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July	24	Ch-12 Indian Defence and Allied Topics Ch-13 Indian Economy: At a glance Ch-15 Planning in India Ch-16 Railways in India Ch-17 Civil Aviation Ch-18 Multipurpose River Valley Projects in India	<b>124-134</b> <b>136-153</b> <b>154-155</b> <b>157-159</b> <b>160-164</b> <b>165</b>
August	24	Ch-19 First in India Ch-20 famous Titles of Well- known Persons & Places Ch-21 Currency Units of Different Countries	<b>167</b> <b>172-176</b> <b>178</b>
Sept	23	REVISION FOR THE TERM-I EXAMINATION	
Oct	20	Ch-22 Capitals of Countries Ch-23 First in Different Fields Ch-24 Mankind and Various Tribes Ch-25 United Nations Organisation Ch-26 Everyday Science Ch-27 Inventions and Discoveries Ch-28 scientific Instruments Ch-29 Hygiene and Physiology Ch-30 Units of Measurement	<b>179</b> <b>186</b> <b>195</b> <b>197</b> <b>206</b> <b>215-222</b> <b>224</b> <b>236</b> <b>241</b>
Nov	16	Ch-31 Geography CH-32 Some Curious Ch-33 Physical Geography Ch-34 Geographical Terms Ch-35 Sports Ch-36 Space Research Ch-37 Awards and Prizes Ch-38 Treaties, Pacts and Conferences	<b>242-272</b> <b>273-284</b> <b>285-290</b> <b>291-292</b> <b>297-310</b> <b>311-320</b> <b>328-338</b> <b>344</b>
Dec	22	Ch-39 Terminology Ch-40 Groups and Organisation Ch-41 personalities Ch-42 Institutions, Research Stations and Plants in India Ch-43 Art and Culture	<b>352-365</b> <b>366</b> <b>368</b> <b>376-383</b> <b>385-386</b>
Jan	17	Ch-44 Newspapers in India and Abroad Ch-45 Agriculture	<b>387-389</b> <b>390-393</b>
Feb	24	REVISION FOR ANNUAL EXAMINATION	
March	21		

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