

D.A.V PUBLIC SCHOOL AUNDH, PUNE

SYLLABUS

STD X

2023-24

MONTH/NO. OF DAYS	UNIT/CONTENT	LEARNING OUTCOMES	ASSIGNMENTS/ACTIVITIES	VALUES & SKILLS
MARCH 4 DAYS	<u>GRAMMAR:</u> 1)Tenses	<ul style="list-style-type: none"> To learn the appropriate use of tenses 	<ul style="list-style-type: none"> Grammar exercises 	<ul style="list-style-type: none"> Use of correct tenses in writing
APRIL 19 DAYS	<p>FIRST FLIGHT:PROSE</p> <p>1) A letter to God</p> <p>FIRST FLIGHT:POETRY</p> <p>1) Dust of snow.</p> <p>2) Fire and ice.</p> <p>GRAMMAR: 2)Determiners</p> <p>SUPPLEMENTARY READER: 1) A triumph of surgery</p>	<ul style="list-style-type: none"> To understand that nature is unpredictable To understand that nature has the power to rejuvenate us. To understand that hatred and insensitivity can destroy the world. Types of determiners To understand that there are parents who are either too strict or too overindulgent. 	<ul style="list-style-type: none"> . Using negatives for emphasis. Filling the money order form Describe an incident when you were depressed and nature helped you to come out of it. Write words that stand for ‘fire’ and ‘ice’. Grammar exercises Read ‘Dog stories’ by James Herriot. 	<ul style="list-style-type: none"> . Belief in God. Saving water Conservation of nature. Tolerance Correct use of determiners Love for animals.

<p>JUNE 19 DAYS</p>	<p>FIRST FLIGHT:PROSE</p> <p>2) Nelson Mandela: a long walk to freedom.</p> <p>3) Two stories about flying.</p> <p>FIRST FLIGHT:POETRY</p> <p>3) A tiger in the zoo.</p> <p>4) How to tell wild animals.</p> <p>WRITING SKILLS:</p> <p>1) FORMAL LETTERS</p> <p>i) Letter to an editor</p>	<ul style="list-style-type: none"> • To understand that freedom is inherent to all living beings. • To understand the need to take up challenges in life. • To understand the condition of the animals in a zoo. • To understand how to recognise wild animals and beware of them. • To enable students to use correct formats. • To enable students to use formal language to write letters accurately 	<ul style="list-style-type: none"> • Join sentences using relative pronouns. • Writing noun forms and verb forms. • Use of contrasts for expression. • Write a description about your initial attempts at learning a skill. • Discussion on the importance of conservation of wild life. • Find examples of poets taking liberties with language. • Writing sample formal letters 	<ul style="list-style-type: none"> • Importance of freedom. • Respecting others. • Kindness and empathy. • Determination to achieve • Importance of wildlife. • Writing accurate letters
<p>JULY 24 DAYS</p>	<p>FIRST FLIGHT:PROSE</p> <p>4) From the diary of Anne Frank.</p> <p>FIRST FLIGHT:POETRY</p> <p>5) The ball poem.</p> <p>6) Amanda.</p>	<ul style="list-style-type: none"> • To understand how destructive war can be. • To understand that we need to come to terms with loss and get on with life. • To understand that parents should not curtail the freedom of children. • To believe in the goodness of man. 	<ul style="list-style-type: none"> • Narrate an experience when you were away from home during a calamity. • Write a paragraph describing how you felt when you lost something you liked very much. • Read 'He said it with Arsenic' by Ruskin Bond. 	<ul style="list-style-type: none"> • Value of freedom and peace. • Overcoming loss . • Sensitivity • Importance of education.

	<p>SUPPLEMENTARY READER: 2)The thief’s story.</p> <p>GRAMMAR: 3)Modals</p> <p>WRITING SKILLS: 1)FORMAL LETTERS ii) Letter of enquiry</p> <p>REVISION FOR UT-I</p>	<ul style="list-style-type: none"> • Use of modals • To enable students to use formal language to write enquiry letters accurately. 	<ul style="list-style-type: none"> • Grammar exercises 	<ul style="list-style-type: none"> • Proper use of modals in speaking and writing. • Writing accurate letters
<p>AUGUST 23 DAYS</p>	<p>FIRST FLIGHT:PROSE 5) Glimpses of India</p> <p>FIRST FLIGHT:POETRY 7) The trees</p> <p>SUPPLEMENTARY READER: 3) The midnight visitor 4)A question of trust</p> <p>GRAMMAR: 4)Reported speech</p> <p>WRITING SKILLS: 1)FORMAL LETTERS iii) Letter for placing an order</p>	<ul style="list-style-type: none"> • To know more about people, places and history of India. • To understand the importance of trees in our lives. • To learn the importance of being calm during difficulties. • To understand that the ends do not justify the means • To convert text from direct to indirect speech using rules. • To enable students to use formal language to write enquiry letters accurately 	<ul style="list-style-type: none"> • Discussion on craft based professions which are dying out.eg- bamboo weaving ,jute, rug weaving etc. • Reading aloud expressively, observing correct stress, intonation and rhythm. • Using colours to describe human feelings and emotions • Read ‘The confession’ by Anton Chekhov. • Grammar exercises • Writing letters for placing an order . 	<ul style="list-style-type: none"> • Curiosity about our surroundings. • Protecting the environment. • Critical Thinking • Believing in oneself. • Appropriate use of reported speech • Writing accurate letters

<p>SEPT. 21 DAYS</p>	<p>FIRST FLIGHT:PROSE 6) Mijbil the otter</p> <p>FIRST FLIGHT:POETRY 8) Fog</p> <p>SUPPLEMENTARY READER</p> <p>5)Footprints without feet.</p> <p>WRITING SKILLS: 2) Data Interpretation.</p> <p>REVISION FOR TERM-I</p> <p>FIRST FLIGHT:PROSE 7) Madam rides the bus</p>	<ul style="list-style-type: none"> • To understand that keeping pets and recognising their needs is a huge responsibility. • To understand the characteristics of fog. • To understand the importance of science in our lives. • To understand how to analyse data and write it using appropriate vocabulary and sentence structures. • To understand the enthusiasm and curiosity of an eight year old child. • To appreciate the poem. • To understand the style of the ballad. 	<ul style="list-style-type: none"> • Discussion on memorable moments with pets. • Discussion on free verse. • Read ‘The invisible man’ by H.G. Wells. • Writing an analytical paragraph based on a given cue. • Describe an unforgettable journey. • Write a note on the various images used. 	<ul style="list-style-type: none"> • Taking care of pets. • Understanding nature • Scientific temperament. • Data analysis. • Road safety.
<p>OCTOBER 22 DAYS</p>	<p>FIRST FLIGHT:POETRY 9) The tale of custard the dragon.</p> <p>SUPPLEMENTARY READER:</p> <p>6)The making of a scientist</p> <p>7) The necklace</p>	<ul style="list-style-type: none"> • To understand the importance of thinking, observing and experimenting along with reading books. • To understand the need to be content with what life gives us. 	<ul style="list-style-type: none"> • Discussion of the qualities that go into the making of a scientist. • Discussion on how you would deal with a similar situation. 	<ul style="list-style-type: none"> • Importance of humour in our lives. • Scientific curiosity • Honesty.

	<p>WRITING SKILLS:</p> <p>1) FORMAL LETTERS</p> <p>iv) Complaint letters</p>	<ul style="list-style-type: none"> To enable students to use formal language to write complaint letters accurately 	<ul style="list-style-type: none"> Writing complaint letters. 	<ul style="list-style-type: none"> Writing accurate letters
<p>NOV 15 DAYS</p>	<p>FIRST FLIGHT:PROSE 10) The sermon at Benaras</p> <p>SUPPLEMENTARY READER: 9) Bholi</p> <p>GRAMMAR: 8) Subject- verb concord</p> <p>REVISION FOR UNIT TEST 2</p>	<ul style="list-style-type: none"> To understand how a sermon is different from a lecture or a talk. To understand that gender discrimination should not be encouraged. To learn the relation between the subject and the verb. 	<ul style="list-style-type: none"> Study the comparison of human life to a fruit earthen vessels. Design a poster on ‘Save the girl child’. Exercises from the grammar book. 	<ul style="list-style-type: none"> Helping each other get over difficult times. Gender equality. Use of correct verb forms in sentences.
<p>DECEMBER 20 DAYS</p>	<p>FIRST FLIGHT:PROSE 11) The proposal</p> <p>FIRST FLIGHT:POETRY 10) For Anne Gregory</p> <p>SUPPLEMENTARY READER: 10) The book that saved the earth.</p>	<ul style="list-style-type: none"> To understand the need to manage ones temper. To understand that we should love people for themselves and not for their qualities or riches. To listen, read and comprehend the play. 	<ul style="list-style-type: none"> Customs common to Indian and Russian weddings. To comprehend the message in the poem. <p>Role play.</p>	<ul style="list-style-type: none"> Being aware of our rich culture and tradition. Sensitivity <p>Scientific attitude.</p>
<p>JANUARY 23 DAYS</p>	<ul style="list-style-type: none"> REVISION 			
<p>FEBRUARY 23 DAYS</p>	<ul style="list-style-type: none"> REVISION 			
<p>MARCH 22 DAYS</p>	<ul style="list-style-type: none"> BOARD EXAM 			

हिंदी		2023-2024		कक्षा – दसवीं	
माह/दिन	पुस्तक का नाम व शीर्षक	उद्देश्य / मूल्य	अपेक्षित कुशलताएँ	क्रियाकलाप	
मार्च- (04)	पाठ्यक्रम चर्चा				
अप्रैल (19)	स्पर्श – गद्य पाठ – 1. बडे भाई साहब पद्य पाठ – 1. साखी संचयन – 1. हरिहर काका	1. बाल मनोविज्ञान का परिचय कराना। 2. नैतिक / जीवन मूल्यों का विकास कराना। 3. समाज में पनप रही कुरीतियों से परिचित कराना।	1. बाल मनोविज्ञान से परिचय। 2. नैतिक मूल्यों का विकास।	विज्ञापन लेखन	
जून (19)	स्पर्श – गद्य पाठ – 2. डायरी का एक पन्ना पद्य पाठ – 2. पद व्याकरण – 1. मुहावरे 2. पदबंध लेखन कार्य – 1. विज्ञापन लेखन 2. लघुकथा लेखन अपठित गद्यांश	1. देश-प्रेम की महत्ता से परिचित कराना। 2. समर्पण की भावना से परिचित कराना। 3. शब्द, पद व पदबंध के अंतर का ज्ञान कराना। 4. विज्ञापन लेखन, लघुकथा लेखन जैसी विधाओं से परिचित कराना।	1. देश-प्रेम की भावना का विकास। 2. समर्पण की भावना का विकास। 3. शब्द, पद व पदबंध के अंतर की समझ। 4. लेखन विधाओं से परिचय।	लघुकथा लेखन	

<p>जुलाई (24)</p>	<p>व्याकरण – 3. रचना के आधार पर वाक्य रूपांतरण 4. समास लेखन कार्य – 3. सूचना लेखन पुनरावृत्ति कार्य</p>	<p>1. वाक्य व समास के भेदों से परिचित कराना। 2. सूचना लेखन जैसी विधाओं से परिचित कराना।</p>	<p>1. वाक्य व समास के भेदों की समझ। 2. लेखन विधाओं से परिचय।</p>	<p>सूचना लेखन</p>
<p>अगस्त (23)</p>	<p>स्पर्श – गद्य पाठ – 3. तताँरा वामीरो कथा पद्य पाठ – 3. मनुष्यता संचयन – 2. सपनों के से दिन लेखन कार्य – पत्र लेखन व अनुच्छेद लेखन</p>	<p>1. प्राचीन परंपराओं व कुरीतियों से परिचित कराना। 2. मानव जीवन को सार्थक बनाने में जो सक्षम गुण हैं, उन गुणों से परिचित कराना। 3. लेखक के स्कूली जीवन के अनुभवों से परिचित कराना। 4. पत्र लेखन, अनुच्छेद लेखन जैसी विधाओं से परिचित कराना।</p>	<p>1. प्राचीन परंपराओं व कुरीतियों से परिचय व समझ। 2. मनुष्यों के गुणों से परिचय व विकास। 3. लेखक के स्कूली जीवन के अनुभवों को अपने अनुभवों से जोड़ने का प्रयास। 4. लेखन विधाओं से परिचय।</p>	<p>पत्र लेखन व अनुच्छेद लेखन</p>

<p>सितंबर (21)</p>	<p>स्पर्श – गद्य पाठ –4. तीसरी कसम के शिल्पकार शैलेंद्र पद्य पाठ – 4. पर्वत प्रदेश में पावस लेखन कार्य – ई-मेल लेखन पुनरावृत्ति कार्य</p>	<ol style="list-style-type: none"> 1. शिल्पकार शैलेंद्र व उनकी रचना से परिचित कराना। 2. प्रकृति की सुंदरता से परिचित कराना। 3. ई-मेल लेखन जैसी विधाओं से परिचित कराना। 	<ol style="list-style-type: none"> 1. शैलेंद्र व उनकी रचनाओं से परिचय। 2. प्रकृति की सुंदरता से परिचित। 3. ई-मेल लेखन विधा से परिचय। 	
<p>अक्तूबर (22)</p>	<p>स्पर्श – गद्य पाठ – 5. अब कहाँ दूसरे के दुख 6. पतझर में टूटी पत्तियाँ पद्य पाठ – 5. तोप संचयन – 3. टोपी शुक्ला</p>	<ol style="list-style-type: none"> 1. मनुष्य के बढ़ते लालच व आकांक्षाओं का प्रकृति पर हो रहे असर का परिचय कराना। 2. जागरूक नागरिक बनने की प्रेरणा देना। 3. व्यस्ततम दिनचर्या में ध्यान के महत्त्व से परिचित कराना। 4. वीरेन डंगवाल की काव्य-भाषा से परिचित कराना। 5. 'सच्ची मित्रता किसी जाति, धर्म या आयु के बंधन को नहीं मानती' इससे अवगत कराना। 	<ol style="list-style-type: none"> 1. प्रकृति पर हो रहे असर से परिचय। 2. ध्यान के महत्त्व की समझ। 3. काव्य-भाषा से परिचय। 4. सच्ची मित्रता से अवगत। 	

नवंबर (15)	स्पर्श – गद्य पाठ – 7. कारतूस पद्य पाठ – 6. कर चले हम फिदा 7. आत्मत्राण	1. भारतीय जाँबाजों के प्रति आदर भाव जगाना। 2. भारतीय जाँबाजों के कारनामों से परिचित कराना। 3. देश-प्रेम की भावना का विकास करना। 4. आत्मशक्ति से परिचित कराना।	1. जाँबाजों के कारनामों से परिचय। 2. देशभक्ति की भावना का विकास। 3. आत्मशक्ति से परिचय।	पठन व श्रवण कौशल
दिसंबर (19)	पुनरावृत्ति कार्य	पुनरावृत्ति कार्य	पुनरावृत्ति कार्य	
जनवरी (23)	पुनरावृत्ति कार्य	पुनरावृत्ति कार्य	पुनरावृत्ति कार्य	
फरवरी (23)	पुनरावृत्ति कार्य	पुनरावृत्ति कार्य	पुनरावृत्ति कार्य	
मार्च- (22)	Board Exam	Board Exam	Board Exam	

डी.ए.व्ही. पब्लिक स्कूल, औंध, पुणे- ७

इयत्ता १० वी

वार्षिक अभ्यासक्रम २०२१-२२

मराठी अक्षरभारती

महिना व दिवस	घटक व उपघटक	अपेक्षित कौशल्य	गृहपाठ	उपक्रम	व्याकरण
मार्च (४)	तू बुद्धी दे....	प्रस्तुत कवितेत सन्मार्ग, सन्मती व सत्संगती यांचे महत्त्व अधोरेखित केले आहे. कायम सत्याची कास धरावी, संवेदनशीलता जपण्यासाठी ताकद मिळावी, अनाथांचे नाथ होण्यास बळ मिळावे व शाश्वत सौंदर्याचा ध्यास लागावा, या भावना प्रार्थनेतून व्यक्त झाल्या आहेत.	कवितेचे तालासुरात गायन करावे.	निबंध व कथा वाचन	व्याकरणाची उजळणी करून घेणे.
एप्रिल (१९)	अ) अंकिला मी दास तुझा	या अभंगात संत नामदेवांनी विविध दृष्टांततून परमेश्वर कृपेची याचना केली आहे.	भावार्थ लिहून प्रश्नांची उत्तरे लिहा. कविता वहीत लिहा.	निबंध - माझा आवडता संत – संत तुकाराम	वाक्यांचे प्रकार, शब्दांच्या जाती.
	शाल	शाल ही प्रतिकात्मक आहे. शालीमुळे येणारा शालीनतेचा संदर्भ अंतर्मुख करणारा आहे. कोणत्याही निर्जीव वस्तूशी निगडित असलेले संदर्भ मानवी भावना तरल ठेवतात. वस्तूशी निगडित कोणतीही आठवण असो वा प्रसंग, त्याचे मानवी संदर्भच सर्वार्थाने महत्त्वाचे ठरतात.	पाठाचे सखोल वाचन करून प्रश्नांची उत्तरे लिहा.	पत्रलेखन - पुस्तकमागणी	शब्दांच्या जाती, काळ.
जून (१९)	उपास	मध्यमवर्गीय व्यक्तीचा संकल्प व संकल्पपूर्तीत कसे अंतर पडते आणि संकल्प करणारे व्यक्ती कसे हास्यास्पद ठरतात याचे मजेदार वर्णन पाठाद्वारे करणे.	पाठाचे सखोल वाचन करून प्रश्नांची उत्तरे लिहा.	कथालेखन – संकल्प तुटला व हसू झाले.	लिंग, वचन, शब्दार्थ, समानार्थी, विरुद्धार्थी.
	मोठे होत असलेल्या मुलांनो...	बार्क मधील लेखकाचे अनुभव त्यांनी इथे सांगितलेले आहेत. कुठल्याही मोठ्या कामाची सुरुवात असंख्य छोट्या छोट्या कामांमधून होत असते. म्हणून कोणतेही काम हे कमी दर्जाचे नसते. कितीही अडचणी आल्या तरी त्यातून मार्ग काढत जावे, हा संदेश त्यांनी दिला आहे.	पाठाचे सखोल वाचन करून प्रश्नांची उत्तरे लिहा.	निबंध – ऑनलाईन शिक्षण व त्याचे फायदे-तोटे	शब्दांच्या जाती, काळ, समासाची ओळख व प्रकारांची माहिती करून देणे.
जुलै (२४)	दोन दिवस	जीवनाचे वास्तव चित्र रेखाटताना लेखक सांगतो की, भाकरीचा चंद्र शोधण्यातच जिंदगी बरबाद झाली. जगाच्या शाळेत दुःख पचवून जगण्याची शिकवण कवी देतात.	भावार्थ लिहून प्रश्नांची उत्तरे लिहा. कविता वहीत लिहा.	पत्रलेखन - ध्वनिप्रदूषणाविषयी	वाक्यांचे प्रकार, समास.
	चुडीवाला	कुष्ठरोग्यांची वसाहत निर्माण करणारे डॉ. शिवाजीराव उर्फ दाजीसाहेब पटवर्धन यांच्या अमरावती येथील तपोवनामध्ये संक्रात व ज्येष्ठ पौर्णिमेला कुष्ठरोगी स्त्रिया आणि मुलांना बांगड्या भरण्याच्या अब्दुलच्या संवेदनशील मनाचे वर्णन केले आहे. समाजऋण या मूल्याची जपवणूक व माणुसकीचे दर्शन पाठातून घडविले आहे.	पाठाचे सखोल वाचन करून प्रश्नांची उत्तरे लिहा.	कथालेखन – बाबा आमटे यांच्या जीवनावर आधारित कथा	लिंग, वचन, शब्दार्थ, समानार्थी, विरुद्धार्थी.
ऑगस्ट (२३)	फूटप्रिन्ट्स	ग्लोबल वॉर्मिंगमधून आपल्या धरणीमातेला वाचवण्यासाठी वृक्षसंवर्धनाबरोबरच, वैयक्तिक वाहनांऐवजी सार्वजनिक वाहतूक व्यवस्थेचा अधिकाधिक वापर करावा, त्यासाठी आपली जीवनशैली बदलावी असा संदेश. पर्यावरणाचे संवर्धन हे मूल्य सांगितले आहे.	पाठाचे सखोल वाचन करून प्रश्नांची उत्तरे लिहा.	निबंध – ऑक्सिजन आणि वृक्ष	वाक्यांचे प्रकार, समास.
	ऊर्जाशक्तीचा जागर	लहानपणीच पित्याचे छत्र हरवलेल्या माशेलकरांना आईने अत्यंत प्रतिकूल परिस्थितीतून जिद्दीने शिक्षण घेण्यास प्रवृत्त केले याचे वर्णन पाठाद्वारे करणे.	पाठाचे सखोल वाचन करून प्रश्नांची उत्तरे लिहा.	पत्रलेखन – अनियमित वीजपुरवठा	शब्दांच्या जाती, काळ.
सप्टेंबर (२१)	औक्षण	सीमेवर लढायला जाण्यासाठी सुसज्ज झालेल्या जवानाला साऱ्या देशवासीयांकडून केले जाणारे हे औक्षण आहे. औक्षण करताना मनात येणाऱ्या भावनांचे वर्णन अत्यंत हृदयद्रावक शब्दांत केले आहे.	भावार्थ लिहून प्रश्नांची उत्तरे लिहा. कविता वहीत लिहा.	निबंध – सीमेवरील सैनिकाचे आत्मवृत्त	वाक्यांचे प्रकार, समास.
	रंग साहित्याचे	सदर पाठातून विविध साहित्यप्रकारांचा परिचय करून दिला आहे. या साहित्यप्रकारांशी मैत्री केली तर मनोरंजनाबरोबर आपले ज्ञानही वाढेल. नाट्यरूपातील हा पाठ विविध कलाकृतींचा परिचय आपल्याला करून देतो.	पाठाचे सखोल वाचन करून प्रश्नांची उत्तरे लिहा.	कथालेखन – पुस्तक बोलू लागले तर.....	शब्दांच्या जाती, काळ.

ऑक्टोबर (२२)	खरा नागरिक	शालेय विषय शिकत असताना केवळ ती शिकायची नसतात तर त्यातील मूल्ये आचरणात आणायची असतात. 'निरंजन' या व्यक्तिरेखेच्या माध्यमातून प्रसंगावधानचा पाठ घालून दिला आहे दाखवले आहे.	पाठाचे सखोल वाचन करून प्रश्नांची उत्तरे लिहा.	पत्रलेखन – अनियमित पाणीपुरवठा	वाक्यांचे प्रकार, समास.
	स्वप्न करू साकार	देशाच्या उज्ज्वल भविष्याचे स्वप्न रेखाटले आहे. कृषिसंस्कृती, श्रमप्रतिष्ठा एकजुटीचे सामर्थ्य या मूल्यांचे महत्त्व पटवून दिले आहे.	भावार्थ लिहून प्रश्नांची उत्तरे लिहा. कविता वहीत लिहा.	पत्रलेखन – शाळेसमोरील रस्ता नादुरुस्त.	लिंग, वचन, शब्दार्थ, समानार्थी, विरुद्धार्थी.
नोव्हेंबर (१५)	व्युत्पत्ती कोश	व्युत्पत्ती कोशाचे महत्त्व व गरज. विद्यार्थ्यांना भाषेच्या प्रवाहात येणाऱ्या अनेक शब्दांच्या उच्चाराने व अर्थाचे मूळ या कोशामार्फत समजते. त्यांची निराळी रूपे व अर्थ यांचा संदर्भ या पाठातून समजावून सांगणे.	पाठाचे सखोल वाचन करून प्रश्नांची उत्तरे लिहा.	कथालेखन – रेल्वे अपघात वाचवणे.	वाक्यांचे प्रकार, समास.
डिसेंबर (१९)		उजळणी (लेखनकौशल्य व आकलनकौशल्यावर आधारित)			
जानेवारी (२३)		उजळणी (गद्यावर आधारित)			
फेब्रुवारी (२३)		उजळणी (पद्यावर आधारित)			
मार्च (२२)		उजळणी (व्याकरणावर आधारित)			

STD. X - SANSKRIT SYLLABUS (2023 - 24)

मासः पाठनदिनानि च	घटकः / पाठस्य नाम	गद्यपद्यनाट्यपाठानाम् उद्दिष्टानि	क्रियाकलापाः / परीक्षाः	मूल्यानि
मार्च - 04 एप्रिल - 19	1. शुचिपर्यावरणम् (पद्यपाठः) व्यञ्जनसन्धिः - वर्गीयप्रथमाक्षराणां तृतीयवर्णे पञ्चमवर्णे च परिवर्तनम्। विसर्गसन्धिः - उत्त्वम्, रत्वम्, लोपः 2. बुद्धिर्बलवती सदा (गद्यपाठः)	1. महानगरस्य प्रदूषितजीवनविषये ज्ञापनम्। 2. बुद्ध्या एव सङ्कटात् मुक्तिः भवति; इति छात्राः अवगच्छन्तु।		1. नदी, निर्झर, वृक्ष, लताकुञ्ज, पक्षी आदीनां मानवजीवने महत्त्वम्। 2. बुद्धेः उपासना।
जून - 19	समासः - विभक्तितत्पुरुषः 4. शिशुलालनम् (नाट्यपाठः)	4. भगवतः रामस्य उत्तरजीवनस्य परिचयः भवतु।		4. पुत्रप्रेम, पितृभक्तिः, शालीनता।
जुलै - 24	5. जननी तुल्यवत्सला (गद्यपाठः) समासः - बहुव्रीहिसमासः	5. दुर्बलजीवानां प्रति मातृवत्सलतायाः आधारस्य प्रतिपादनम्।		5. स्वापत्यं प्रति मातुः प्रेम।
ऑगस्ट - 23	6. सुभाषितानि (पद्यपाठः) प्रत्ययौ - मतुप्, ठक्	6. सुभाषितामाध्यमेन विभिन्नविषयणाम् उपस्थापनम्।		6. परिश्रमस्य महत्त्वम्, क्रोधस्य दुष्परिणामाः, बुद्धेः महत्त्वम् आदीनि।
सप्टेम्बर - 21	वाच्यपरिवर्तनम् - केवलं लट् लकारे (कर्तृ-कर्म-क्रिया) समयः - सामान्य-सपाद-सार्ध-पादोन अव्ययानि - उच्चैः, च, श्वः, ह्यः, अद्य, अत्र-तत्र, यत्र-कुत्र, इदानीम्, (अधुना, सम्प्रति, साम्प्रतम्) यदा, तदा। अशुद्धिसंशोधनम् - वचन-लिङ्ग-पुरुष-लकार-विभक्तिदृष्ट्या। चित्रवर्णनम् / अनुच्छेदलेखनम् - (पुनरावृत्तिः) अनुवादः - (पुनरावृत्तिः) पत्रपूर्तिः - (पुनरावृत्तिः)		क्रियाकलापाः - प्रथमसत्रम् - मौखिकप्रकल्पाः 1) पर्यावरणसंरक्षणविषये भाषणम् 2) बुद्धेः बलम् - इति विषयम् आधृत्य अन्यभाषायाः कथायाः अनुवादं कृत्वा कथाकथनम् 3) व्यायामस्य लाभाः - इति विषये संवादप्रस्तुतिः 4) शिशुलालनम् इति पाठस्य नाट्यीकरणम् 5) महाभारतस्य कस्यापि एकस्याः व्यक्तिरेखायाः आत्मकथनम् 6) परिश्रम, बुद्धि तथा क्रोधस्य दुष्परिणामाः एतान् विषयान् अधिकृत्य पाठ्येतर पञ्च सुभाषितानां कण्ठस्थीकरणम् 7) दूरदर्शने वार्तावली संस्कृतकार्यक्रमं दृष्ट्वा श्रुत्वा च तस्य वार्ताङ्कनं स्वशब्दैः करणीयम्। 8) शिक्षकः कथां श्रावयति। छात्राः प्रश्नान् उत्तरन्ति। 9) आशुभाषणम् (एकस्मिन् विषये तत्क्षणम्)	

मासः पाठनदिनानि च	घटकः / पाठस्य नाम	गद्यनाट्यपद्यपाठानाम् उद्दिष्टानि	क्रियाकलापाः / परीक्षाः	मूल्यानि
ऑक्टोबर - 22	7. सौहार्द प्रकृतेः शोभा (नाट्यपाठः) 8. विचित्रः साक्षी (गद्यपाठः) विसर्गसन्धिः - विसर्गस्य स्, श्, ष्	7. सर्वे परस्पराश्रिताः इत्यस्य भावनायाः जागरणम्। 8. अनुवादितकथायाः माध्यमेन न्यायस्य प्रतिपादनम्।		7. सौहार्दवर्धनम्। 8. समस्यापरिहारे युक्तेः महत्त्वम्।
नोव्हेंबर - 15	9. सूक्तयः (पद्यपाठः) प्रत्ययौ - त्व, तल्, टाप्, डीप्	9. तिरुवल्लुवरस्य श्लोकानां माध्यमेन गभीरसंस्कृतभाषायाः छात्राणां परिचयः भवतु।		9. कृतज्ञता, समत्वम्, विवेकः, सदाचारः, विद्वत्ता इ. गुणानां महत्त्वम् ज्ञातव्यम्।
डिसेम्बर - 19	12. अन्योक्तयः समासः - अव्ययीभावः (अनु, उप, सह, निर्, प्रति, यथा), द्वन्द्वसमासः (केवलम् इतरेतरः),	12. नूतनसुभाषितप्रकारस्य काव्यप्रकारस्य वा परिचयः भवतु।	द्वितीयसत्रक्रियाकलापाः (लेख्यप्रकल्पाः) 1) सौहार्दविषये लेखलेखनम् 2) एकस्याः अन्यभारतीयभाषाकथायाः संस्कृते अनुवादः 3) तिरुवल्लुवरस्य चरित्रलेखनम् 4) कस्य अपि नैसर्गिकसङ्कटविषये वार्ताङ्कनम् 5) पाठ्येतर पञ्चसुभाषितानाम् अन्योक्तीनां वा सङ्ग्रहः 6) शैक्षिकभ्रमणस्य प्रतिवेदनलेखनम् 7) दैनन्दिनीलेखनम् 8) एकादशपाठम् आधारीकृत्य चाणक्यः अमात्यराक्षसः चन्दनदासः वा; एकस्मिन् विषये लेखनम् 9) श्रुतलेखनम्	12. सत्कर्म प्रति गमननस्य प्रेरणायाः प्रतिपादनम्।
जानेवारी - 23	वाच्यपरिवर्तनम् - (पुनरावृत्तिः) अव्ययानि - कदा, सहसा, वृथा, शनैः, अपि, कुतः, इतस्ततः, यदि-तर्हि, यावत्-तावत्। समयः - (पुनरावृत्तिः) अशुद्धिसंशोधनम् - (पुनरावृत्तिः) अपठितगंधांशः - (पुनरावृत्तिः) चित्रवर्णनम् / अनुच्छेदलेखनम् - (पुनरावृत्तिः) अनुवादः - (पुनरावृत्तिः) पत्रपूर्तिः - (पुनरावृत्तिः)			
फेब्रुवारी - 23	(पुनरावृत्तिः)			
मार्च - 22	अन्तिमपरीक्षा - (आवर्षस्य सम्पूर्णाभ्यासक्रमः)			

MATHEMATICS		2023-24		STD :X	
MONTH /DAYS	UNIT /CONTENT	LEARNING OUTCOME	ASSIGNMENTS/ACTIVITIES	VALUE/SKILLS	
MARCH 2 DAYS	Chapter -1 <u>Real Numbers</u> 1) Introduction 2) Fundamental Theorem of Arithmetic 3) Irrational Numbers .	1) Students find HCF and LCM using Prime factorization. 2) Students acquire the knowledge of proving numbers to be irrational	Developing proofs of irrational numbers	To appreciate the contribution of Euclid in field of Mathematics and realize the importance of the number system	
APRIL 19DAYS	Chapter - 2 <u>Polynomials</u> 1) Introduction 2) Geometrical meaning of zeroes of a polynomial 3) Relationship between zeroes and coefficients of a polynomial Chapter - 4 <u>Quadratic Equations</u> 1) Introduction 2) Solving of Quadratic Equation (2.1) Factorization method (2.3) Quadratic formula method 3) Word Problems	1) Students understand the geometric meaning of the zeros of a polynomial. 2) Students are able to verify the relationship between zeroes and coefficients of a polynomial. 1) Students are able to form a quadratic equation from a word problem. 2) Students are able to find solution of a Quadratic equation by using different methods. 3) Students are able to explore nature of roots.	1. Exploring graphs of various polynomial functions. 2. Solving HOTS and application based worksheet Plotting graph for quadratic and cubic polynomials Derivation of quadratic formula for finding roots of quadratic equation.	To learn problem solving using systematic steps and develop analytical reasoning To learn problem solving using systematic steps and develop analytical reasoning	

JUNE 19 DAYS	Chapter - 3 <u>Pair of Linear Equations in two variables</u> 1) Pair of linear equations in two variables 2) Graphical method of solution of a pair of linear equations 3) Algebraic Methods (3.1) Substitution Method (3.2) Elimination Method	1) Students learn to frame a pair of linear eqn. in two variables from daily life examples. 2) Students analyze meaning of type of solution, type of graph. 3) Students learn to solve a pair of linear eqns. Algebraically and graphically.	1) Finding out algebraically whether the given pair of equations are consistent or inconsistent . 2) Plotting the graphs of linear equations and graphically checking their consistency.	To develop a skill of drawing graphs neatly and accurately
	Chapter - 14 <u>Statistics</u> 1) Introduction and recapitulation 2) Mean, Median, Mode of grouped data	1) Students are able to find mean of grouped data by different methods 2) students learn to find the cumulative frequency of a class	1) To find Mean, Median and Mode of the given data (by collecting Primary Data)	To compare the values obtained by all 3 measures of central tendency
	Chapter:6 TRIANGLES 1) Concept of Similarity and Congruence 2) B.P.T. theorem and it's applications 3) Criteria for similarity of two triangles	1) Students understand the concept of similarity of triangles. 2) Students are able to prove Basic proportionality theorem and apply it for solving problems 3) Interpret the criteria of similarity in triangles and compare the criteria with congruency.	Interpreting the consistency of equations algebraically and verifying graphically.	To demonstrate the ability of discovering the proof of the theorem with the help of analytical reasoning

<p>JULY 24 DAYS</p>	<p>Chapter - 8 <u>Introduction to Trigonometry</u> 1) Introduction 2) Definitions of Trigonometric ratios 3) T.Ratios of Particular angles 4) Identities</p>	<p>1) Students are able to recall the definitions of basic T- Ratios. 2) Students are able to recall and find T Ratios of special angles. 3) Students are able to prove trigonometric identities</p>	<p>1) To find the T Ratios of 30°, 45°, 60° and 90° degrees. 2) To Apply trigonometric identities in proving further results.</p>	<p>To solve the problems neatly with systematic steps and reasoning</p>
<p>AUGUST 23 DAYS</p>	<p>Chapter – 9 <u>Applications of Trigonometry</u> 1) Introduction 2) Heights and Distances 3).Angles (3.1) Angle of elevation (3.2) Horizontal level (3.3) Angle of Depression</p> <p>Chapter – 15 <u>Probability</u> 1) Introduction 2) Theoretical approach</p>	<p>1) Students are able to read and analyze word Problems 2) Students are able to draw figures corresponding to word problems. 3) Students are able to understand the Angle of elevation, Horizontal level, Angle of Depression</p> <p>Students are able to appreciate the concept of probability and learn it's application in day to day life</p>	<p>1) Construction of diagram and solve for a height and distance using trigonometric ratios</p> <p>Making of a CLINOMETER and measuring the height of nearest building ,tree etc</p>	<p>Draw figures related to the problems neatly and accurately.</p> <p>To appreciate the use of this concept in daily life situations</p>

<p>SEPTEMBER 21DAYS</p>	<p>Chapter:7 COORDINATE GEOMETRY 1) Distance Formula 2) Section Formula</p>	<p>1) Students are able to find the distance between two points in a plane. 2) Students are able to find coordinates of a point which divide line segment in a given ratio.</p>	<p>TO VERIFY SECTION FORMULA GEOMETRICALLY BY DIVIDING A LINE SEGMENT IN THE RATIO $m:n$ IN A GRAPH PAPER AND VERIFYING COORDINATES OF POINT OF DIVISION OBTAINED THROUGH FORMULA.</p>	
<p>October 22 days</p>	<p>Chapter - 10 <u>Circles</u> 1) Introduction 2) Tangents to a circle 3) Number of tangents from a point outside the circle 4) Properties of tangents</p> <p>Chapter - 11 <u>Areas related to Circles</u> 1) Introduction 2) Perimeter and area of a circle - A review 3) Area of Sector and segment of circle</p> <p>Chapter - 5 <u>Arithmetic Progression</u> 1) Introduction 2) nth term of an AP</p>	<p>1) Students are able to prove the theorems and apply knowledge of theorems in solving questions. 2) Students are able to find a line segment that is tangent to a circle. 3) Students are able to understand the properties of tangents</p> <p>1) Students are able to find area of the given figure (shaded and unshaded regions) 2) Students are able to apply the knowledge of area of plane figures in solving the problems with a combination of plane figures</p> <p>1) Students are able to apply the knowledge of AP in identifying the sequences and also to differentiate it from other sequences. 2) Students are able to observe geometric patterns and understand the concept of Arithmetic Progression. general term , nth term.</p>	<p>1) To verify properties of circles and tangents using charts. 2) Constructions of two tangents from an external point by paper folding method</p> <p>1) To find the area of sector and segment of circle in various figures</p>	<p>To demonstrate the ability of discovering the proof of the theorem with the help of analytical reasoning</p> <p>To develop an understanding of deriving the formulas</p>

November 15 days	Continuation of Arithmetic Progression 3) Sum of n terms of an AP REVISION AND UT2	30) Students are able to observe geometric patterns and understand the concept of sum of n terms of an AP	Verification of AP through Paper Cutting Method	
December 19 days	Chapter - 13 <u>Surface Areas and Volumes</u> 1) Introduction and Recapitulation 2) S.A and Volume of a solid object 3) S.A and Volume of a combination of solids	1) Students are able to apply the knowledge of surface areas and volumes of solids in our day to day life 2) Students are able to verify volume remains same during conversion of solid from one shape to another	Oral Test of Formulae	To develop interest in using the formulae for practical application in day-to-day life
January 23 days	Revision And Prelims1			
February 23 days	Revision And Prelims2			

D.A.V.PUBLIC SCHOOL, AUNDH, PUNE

Class: X

Sub: PHYSICS

2023-24

Month & Days available for teaching	UNIT	CONTENTS	LEARNING OUTCOME	ASSIGNMENT / ACTIVITIES	VALUES /SKILLS
March / April (4 + 19 days)	Unit – 10 Light	Reflection of light Laws of reflection Types of mirrors Images formed by spherical mirrors Mirror formula, magnification	1. Students will understand the converging and diverging action of mirrors 2. Students will be able to solve numerical using mirror formula.	Assignment based on diagrams and numerical of reflection and refraction PRACTICALS To determine the focal length of Concave mirror.	1. To develop drawing skills for ray diagrams. 2. To understand the importance of reflection in daily life. 3. To develop drawing skills for ray diagrams.
June (19 days)	Unit – 10 Light cont....	Refraction of light Laws of refraction and refractive index	1. Students will understand the converging and diverging action of lenses 2. They will understand the phenomena of refraction in nature.	PRACTICALS To determine the focal length of Convex lens	1. To develop drawing skills for ray diagrams. 2. To develop accuracy and precision while solving numerical.
July (24 days)	Light Cont..	Refraction of light by spherical lens, Image formed by spherical lens, lens formula, magnification and power of lens.	Students will learn about different uses of lenses in daily life.		3. To develop drawing skills for ray diagrams. 4. To develop accuracy and precision while solving numerical.
August (23 days)	Unit -11 Human eye and colourful world	Human eye. Range of vision. Defects of vision and their corrections Refraction through prism. Dispersion and. Scattering of light.	Students will learn about different kinds of eye defects. Students will understand the reasons for different type of phenomenon like rainbow formation, twinkling of stars and reddish colour of sky during sunrise and sunset	Diagram of Human eye and Defects of vision. PRACTICALS To trace the path of rays of light through glass slab.	1. To appreciate God's creation i.e. Human Eye and to take care of it. 2. To relate knowledge of defects of vision with different kind of lenses to be used. 3. To appreciate natural phenomena in

					physical terms
September (21 days)	Unit-12 Electricity	Electric Current Electric potential and potential difference Ohm's law , measurement of resistance	1. Students will learn about how electric charges flow and basic circuit diagrams. 2. They will be able to differentiate between electric potential & potential difference 3. They will understand relationship between V & I	Assignment based on Ohm' Law.	1. To understand the importance of electricity in daily life. 2.To develop practical skills
REVISION FOR TERM 1					
October (22 days)	<u>Unit-12</u> <u>Electricity</u> Cont.....	Resistance, Resistivity, Factors on which resistance depends, Combination of resistances. Heating effect of current & its applications in daily life, Electric power. Inter relationship between P,V, I & R	1. Students will learn about the factors on which resistance depends and how to decrease and increase the values of resistance. 2. They will understand about how domestic circuit works.	Assignment based on numerical of combination of resistances PRACTICALS: 1.Ohm's law experiment 2.Resistors in series and parallel	1. To develop practical skills 2. To apply the knowledge of heating effect of current in daily life 3. To appreciate the contribution of Sir George Simon Ohm.
November (15 days)	Unit-13 Magnetic effects of current	Magnetic field and field lines, field due to current carrying conductor , coil and solenoid, Force on a current carrying conductor, Fleming's left hand.	1. Students will understand about magnetic effects of current. 2. Students will learn about magnetic field lines and its properties.	Assignment based on diagrams of magnetism.	1. To develop practical skills 2. To appreciate the contribution of Oersted and Fleming in magnetism.

December (19 days)	Unit-13 Magnetic effects of current cont...	DC, AC, frequency of AC, Advantage of AC over DC and domestic circuit.	1. Students will be able to differentiate between AC and DC current. 2. Students will be able to draw and explain domestic circuit characteristics.		1. To apply the knowledge of Domestic circuit in daily life
Jan (23 days)	REVISION FOR PREBOARD 1				
Feb (23 days)	REVISION FOR PREBOARD 2				

SUBJECT:CHEMISTRY		2023- 2024		STD X
MONTH-DAYS	UNIT / LESSON/ CONTENT	EXPECTED LEARNING OUTCOME	ACTIVITIES/ ASSIGNMENTS	VALUES / SKILLS
March 2 days	Recapitulation of concepts of elements, electronic configuration, valency and molecular formula	<ul style="list-style-type: none"> The student will be able to understand the distribution of electrons in shells. Will be able to understand why an element forms a particular ion. Will be able to form a neutral compound using ions 	<ul style="list-style-type: none"> Write the atomic number, valency and electronic distribution of first 20 elements. To write the molecular formula for the given compounds 	<ul style="list-style-type: none"> To interpret the concept of atom and ion. To understand the formation of stable compound which is electrically neutral.
April 19 days	<p><u>1- Chemical reactions & equations</u></p> <ul style="list-style-type: none"> Characteristics of chemical reactions. Balancing of chemical equations. <p>Types of reactions Effects of Oxidation Reactions in daily life.</p>	<ul style="list-style-type: none"> The student will be able to understand characteristics of chemical reactions. Will be able to acquire knowledge of representing chemical reaction by chemical equation. Will be able to develop skill in writing balanced chemical equations. Will be able to identify different types of chemical reactions. 	<ul style="list-style-type: none"> Assignment: Work sheets-Write balanced Chemical equations for the reactions given. Lab practices: Perform different reactions and classify them as decomposition, combination, displacement and double displacement reactions 	<ul style="list-style-type: none"> To recognize the changes taking place in a reaction To develop skills of balancing chemical reactions/ equations To develop ability to correlate the changes in nature as chemical and physical reactions. Identification of the given reactions. To develop the ability to make observations of oxidation reactions
June 19 days	<p>Chapter 1- continues</p> <ul style="list-style-type: none"> Oxidation, reduction and redox reactions. Effects of Oxidation Reactions in daily life. <p><u>2 Acids, bases & salts</u></p> <p>The chemical and physical properties of acids and bases.</p>	<ul style="list-style-type: none"> Will be able to identify the substance oxidized and reduced in a redox reaction. Will be able to develop interest in knowing more about chemical reactions and their applications in daily life. Will be able to acquire the knowledge of acids, bases & salts 	<ul style="list-style-type: none"> To identify the oxidizing agent and reducing agent in the redox reactions. Make natural indicator and test acids and bases available at home. 	<ul style="list-style-type: none"> To recognize the chemical changes taking place due to moisture and rust. To understand the wastage because of the oxidation reactions and ways to minimize it. To develop skills to handle acids and bases in Lab and daily life

July 24 days	<u>2 Acids, bases & salts</u> <u>Continues</u> <ul style="list-style-type: none"> The chemical properties of the acids and bases. Importance of pH Types of salts 	<ul style="list-style-type: none"> Will be able to analyze the importance of Hydronium ion. Will be able to understand the concept of neutralization and hence salt formation Will be able to determine pH of an unknown solution & interpret its nature. 	<ul style="list-style-type: none"> Lab practices: Study the properties of acids and bases with Litmus paper, Zinc metal, and Sodium carbonate. Determine pH of different solutions using universal indicator and pH paper. Identify the acid and base present in salts and the pH of salts. 	<ul style="list-style-type: none"> To identify base and acids with their physical and chemical properties. To develop skill to determine the pH of chemical substances/ solutions using pH paper. They will be able to predict the acid and base present in salts.
August 23 days	<u>2 Acids, bases & salts</u> <u>Continues:</u> <ul style="list-style-type: none"> Salts, Chemicals from common salts and their uses. Water of crystallization <u>Lesson 3 -Metals and nonmetals.</u> Lesson 3-Metals and nonmetals. <ul style="list-style-type: none"> Physical and chemical properties of metals and nonmetals. 	<ul style="list-style-type: none"> Will be able to appreciate the uses of salts in everyday life and in industries. Will be able to understand the concept of hydrous /anhydrous salt. Will be able to classify metals and nonmetals based on physical and chemical properties. 	<ul style="list-style-type: none"> Lab practices: To check the presence of water of crystallization. Make a video/ppt or documentary of the properties and uses of metals and nonmetals. 	<ul style="list-style-type: none"> To understand the industrial preparation and application of salts and their uses. To develop skill to identify / and classify metals and nonmetals.
September 21 days	<u>Revision for TERM-1</u>	<ul style="list-style-type: none"> Will be able to recollect the concepts learnt in previous chapters. 	<ul style="list-style-type: none"> Summarization of chapters 	<ul style="list-style-type: none"> Will be able to answer the questions related to the concepts learned. Analyse the situations and respond according to the requirement of the situation.

October 22 days	<p><u>Lesson 3 -Metals and nonmetals continues</u></p> <ul style="list-style-type: none"> Formation of ionic bond and the properties of ionic compounds. Uses of metals and alloys. Extraction of metals 	<ul style="list-style-type: none"> Will be able to understand and appreciate the various uses of metals in daily life. Will be able to understand the compounds formed between metals and nonmetals Will be able to understand various metallurgical processes in the extraction of metals based on the reactivity of metals 	<ul style="list-style-type: none"> Lab practices: Compare the reactivity of metals Zn, Fe, Cu, and Al using the following solutions: i) $ZnSO_4$ ii) $FeSO_4$ iii) $CuSO_4$ iv) $Al_2(SO_4)_3$ To draw the flow chart for the metallurgical processes 	<ul style="list-style-type: none"> Develop ability to appreciate the uses of metals and nonmetals in daily life. Critical thinking (to understand and apply the knowledge of reactivity of metals in the procedure in metallurgy)
November 15 days	<p><u>4 Carbon and its compounds</u></p> <ul style="list-style-type: none"> Bonding in carbon compounds. Isomerism and nomenclature of carbon compounds. REVISION for UT- 2 and UT-2 	<ul style="list-style-type: none"> Will be able to understand versatile nature of carbon. Will show interest to learn more about the different properties of carbon compounds. Will be able to recollect the concepts learnt in previous chapters. 	<ul style="list-style-type: none"> Make a song /skit on the nature of bonding and properties of carbon. Summarization of chapters 	<ul style="list-style-type: none"> Comparison of the nature of bond formation in carbon compounds and ionic compounds. To draw the structures of different organic compounds. Will be able to answer the questions related to the concepts learned
December 19 days	<ul style="list-style-type: none"> Properties of Ethanol & ethanoic acid. Soaps & detergents Soaps & detergents. 	<ul style="list-style-type: none"> Will be able to develop skill in representing electron dot structure of carbon compounds. Will be curious to learn more about carbon compounds and applications of organic chemistry in different fields Will be able to understand the formation of micelle. 	<ul style="list-style-type: none"> Lab practices: i) Study the properties of acetic acid in lab • Odour • Solubility in water. • Effect on Litmus • Reaction with Sodium Bicarbonate. (ii) Compare the cleansing capacity of a sample of soap in soft and hard water. • Differentiate soaps and detergents using soft and hard water. • Making of home made soap. 	<ul style="list-style-type: none"> To develop curiosity to differentiate soaps and detergents. Safety measures while handling chemicals. Using scientific knowledge for real life connections.
January 23 days	Pre board – 1			
February/ March	Revision and Final Exam			

BIOLOGY		2023-24		STD X
MONTH & NO OF DAYS	UNIT /CONTENT	LEARNING OUTCOME	ASSIGNMENTS/ ACTIVITIES	VALUE/SKILLS
MARCH – 04 DAYS	L-6. Life Processes Autotrophic Nutrition	Students learn the significance of Photosynthesis		Students appreciate the role of plants as producers.
APRIL – 19 DAYS	Ch-6 Life Processes Heterotrophic Nutrition Nutrition in Human beings Respiration	Nutrition in unicellular and multicellular organism Importance of healthy diet Importance of respiration in all living organisms. Importance of proper ways of breathing.	Diagram of open and closed stomata Practical 1 Study of Stomata Importance of balanced diet. Diagram of Human digestive system. Diagram of Human Respiratory system.	Students appreciate the importance of balanced diet and learn to avoid junk food. Students understand the various diseases related to substance abuse (cigarettes) and avoid the use.
JUNE – 19 DAYS	Ch-6- Life Processes contd... Respiration continued Transportation in Human being. Transportation in plants	Importance of Yoga Working of lungs Functioning of the Human heart. Importance of double circulation. Difference between veins and arteries. Components of blood Importance of Ascent of Sap and conducting tissues.	Practical -2 Experimentally show that CO ₂ is evolved during Respiration Diagram of Human heart and its functioning. To study Ascent of Sap and conducting tissues using coloured water and a flowering twig with soft stem. e.g. Balsam or Carnation	Understands the importance of being healthy. Co- relate the integrated physical development with spiritual development. The importance of the plants in keeping the atmosphere cool Feeling of empathy towards the fellow-beings.
JULY -24 DAYS	Excretion in Human	Understands the importance of transplantation of vital organs. Working of Kidney and nephrons Dialysis	Diagram of Human Excretory system & nephrons with labelling.	Understands and appreciates the wonderful creation of god with regard to Bowman’s capsules and ultra filtration.

JULY -24 DAYS	Ch-7-Control and Co-ordination - Up to Reflex Action	Structure of Neuron, Reflex Action To understand the importance of synapse and neuro muscular junction. Involvement of spinal cord to control the reflex action. Reflex arc.	Labelled diagram of Neuron Diagram of reflex arc. To trace the sequence of events when we touch a hot plate.	Learns the importance and role of nature in the self-regulatory mechanism operating in all organisms.
AUGUST – 23 DAYS	Ch – 7 Control and coordination contd... Brain Coordination in Plants Hormones	Structure and functions of different parts of Human brain. To understand tropic movements in plants and the role of phytohormones. To understand endocrine glands, their functions related diseases. Understands the movements in plants that are governed by Phytohormones. Understands and appreciates adolescence sexual characteristics, also various deficiency diseases.	Neat, labeled diagram of Human brain. Response of plant towards source of light. Diagram of the locations of various human endocrine glands.	Appreciates the role of brain in various voluntary and involuntary movements. How do we detect the smell of the incense stick?
SEPTEMBER – 21 DAYS	Ch – 15 Our Environment Components of Ecosystem Ozone layer and it's importance Revision	To understand food chain, food web and the Law of 10% in the transfer of energy in trophic levels. To understand formation and usefulness of ozone layer	(Activity 15.10, pg 263) Search the internet and find out what hazardous materials have to be dealt with while disposing electronic item Study status of the ozone level in past 25 years	What changes can you make in your habits to become more environment friendly?

OCTOBER – 22 DAYS	Ch – 8 How do organisms reproduce? Various modes of reproduction in uni and multicellular organisms. Sexual reproduction in plants & Human beings	Importance of variation Role of DNA To understand the importance of asexual, vegetative propagation. To understand the significance of fertilization.	<u>Practical – 3</u> To study binary fission in Amoeba and budding in Yeast with the help of prepared slides.	Appreciates the role of DNA in the existence of all living organisms.
NOVEMBER – 15 DAYS	Reproductive health	To understand transmission and prevention of STDs. To know the various contraceptive techniques. To understand inheritance of traits.	<u>Practical – 4</u> Study of a dicot seeds	Discrimination on the basis of gender is illegal.
DECEMBER – 19 DAYS	Ch - 9 Heredity Rules of inheritance & principles of Mendelism Sex determination Revision	Introduction to Heredity Laws of inheritance To understand about the role of father in determining sex of a child	To study Mendel's Experiment	Appreciates being born from the mother's womb. Boy child learns to appreciate the role of mother / sister / wife. Heredity and inheritance goes hand in hand.
JANUARY – 23 DAYS	Revision	Pre-board Examination.		
FEBRUARY – 23 DAYS	Revision			
MARCH – 22 DAYS	Annual Examination			

SUBJECT: Social Science (History/Civics)		2023-24		Std. X
Month/days	Unit/Content	Learning outcomes	Assignments	Values/ Skills
March 4 Days	History: Ch.1 The Rise of Nationalism in Europe	Students observe how the feeling of Nationalism grew in different countries of Europe and how it affected the world map.	Classroom discussion on the Idea of Nationalism Mind map	Students respect Nation and work for its progress by protecting its values
April [19 days]	History: Ch.1 The Rise of Nationalism in Europe	Students observe how the feeling of Nationalism grew in different countries of Europe and how it affected the world map.	Classroom discussion on the Idea of Nationalism Mind map	Students respect Nation and work for its progress by protecting its values
June [19 days]	Civics: Ch- I Power Sharing →→ How and why is power shared in modern governments? The various forms of power sharing in a democracy Civics: Ch 2 Federalism →→How has federalism been implemented in India? To what extent has decentralisation achieved its objectives	→→students understand the importance of power sharing for the stability of democracy →→ students understand the functioning of our government and the federal structure of India	→→Follow the newspapers for a week, and trace an on going conflict: find out the cause of the conflict and to which issue of power sharing is it related →→Discuss the working of the Panchayati Raj system in India.	→→ Learns the values of co-operation, adjustments and co-ordination →→ Appreciates the values of sharing and unity
July [24days]	History:Ch:3 Nationalism in India →→India's struggle for freedom, focus on the period from the first world war to Quit India movement, special focus on Gandhiji's contribution to making the national movement a mass movement	→Students know how nationalism captured the imagination of the people in India after 1920 s and also will understand how different social groups participated in the freedom struggle	→→ Discussion on the policy of non-cooperation adopted by Gandhi was mainly instrumental in achieving Indian independence →	→→ develops the value of creative thinking and decision making and patriotism
August [23 days]	Civics: Ch 4 Gender,Religion, Caste in politics →→How do Gender, Caste and Religion impact politics and vice versa	→→Students understand that the various social diversities do not threaten democracies but strengthen democracies.	Discussion on how caste and gender inequalities hinder progress in India	Activity →→ develops the value of respect and fraternal feelings towards the opposite sex and all castes and creed.

September [21 days]	Civics: →→ Ch: 6 Political Parties: Role of political parties, the various types of political parties, and major national and regional parties in India	→ students get an insight of various political parties present in India	→→ Poster making on political parties →→ Discussion on how to strengthen political parties so that they perform their functions well	→→ Creates awareness and democratic skills
October [22 days]	History: Ch - 4 Making of global world →→Expansion and Integration of the world market in the 19th and early 20th century. Trade and economy between the two World Wars. Implication of globalisation on livelihood patterns .	students understand the concept of globalization and its impact on the countries of the world .	→→Analyse the impact of globalisation on present political system of India	Learns the value of living amicably and its role in development. Interdisciplinary Project.
November [15 days]	Civics:Ch :7 Outcomes of democracies →→ Assessment of democracy on the basis of accountability, responsiveness, economic development, dignity of citizens and accomodation of social diversities History The Age of industrialization	→→ students learn to think about the outcomes of democracy in various aspects To be assessed as periodic test	→→ Worksheet →→	→→ Appreciate the working of democracies and identify the problems in implementing policies.
December [19 days]	History: ch 7 Print culture and the modern world →→The evolving of the printing culture, development of technology in printing, its impact on the society	→ It creates awareness about the spread of technology and consider how social life and culture changed with the coming of print	→Group discussion on how printing developed in India and its impact on the society	→develops creative thinking
January (23days)	Revision & Prelims -I			
February (23 days)	Revision & Prelims -II			
March (22 days)	Final Examinations			

SOCIAL SCIENCE (GEOGRAPHY & ECONOMICS)		2023-24		STD :X
Month/days	Unit / contents	Learning outcomes	Assignments/ Activity	Values/ Skills
MARCH 4 DAYS + April [19 Days]	<p><u>Geography: Ch: 1: Resource and development</u></p> <ul style="list-style-type: none"> • Concept of Development of Resources • Resource Planning - Resource Planning in India, Conservation of Resources • Land Resources, Land Utilization, Land Use Pattern in India ,Land Degradation and Conservation Measures • Soil as a Resource - Classification of Soils, Soil Erosion and Soil Conservation (excluding Box Information on State of India's Environment) 	<ul style="list-style-type: none"> • Understand the value of resources and the need for their judicious utilization and conservation. Learn about the properties of various kinds of soil and its utility 	<ul style="list-style-type: none"> • Map depicting various soil types in India, Worksheet on MCQ 	<ul style="list-style-type: none"> • Learns the value of using resources judiciously as an individual, respects the natural environment • Map skills
June [19 days]	<p><u>Geography chapter-1 continue.....</u></p> <p><u>Economics: Ch: 1: Development</u></p> <ul style="list-style-type: none"> • What Development Promises - Different People, Different Goals • Income and Other Goals • National Development • How to compare different countries or states? • Income and other criteria • Public Facilities • Sustainability of Development <p><u>Geography: Ch-2 Forest and Wildlife Resources</u></p> <ul style="list-style-type: none"> • Conservation of forest and wildlife in India • Types and distribution of forests and wildlife resources • Community and Conservation 	<ul style="list-style-type: none"> • Introduction of some macroeconomic concepts. • Sensitizing the child about the rationale for overall human development in our country and the importance of other criteria besides income, such as education and health in development • • Understand the importance of forests and wild life. • Understand the ability and knowledge of how forest and wildlife conservation and management relate to the economy and environment, both currently and in the future. 	<ul style="list-style-type: none"> • collect the latest census data on human development indicators and analyze them • Use case studies of various states and countries and do a comparative study • Discussion on the significance and ways to conserve environment 	<ul style="list-style-type: none"> • realizes the importance of social surroundings, education, health etc for his/ her development • Sensitivity towards environment

<p>July [24 Days]</p>	<p><u>Geography: Ch: 3: Water Resources</u></p> <ul style="list-style-type: none"> • Water Scarcity and The Need for Water Conservation and Management • Multi-Purpose River Projects and Integrated Water Resources Management • Rainwater Harvesting <p><u>Economics: Ch: 2: Sectors of Indian Economy</u> The various sectors of the Indian economy with special focus on the service sector, its growth, causes of growth. the role of public sector in development of a country</p>	<ul style="list-style-type: none"> • Comprehend the importance of water as a resource as well as develop awareness towards its judicious use and conservation. • The student will understand the various employment generating sectors and the causes behind the recent growth in IT sector. They will realize the important role of Government in development of a country. • Understand the importance of agriculture in national economy, develop a knowledge of the various crops grown in our country 	<ul style="list-style-type: none"> • discussion on causes of water scarcity and the students' role in conservation • Map on various multipurpose projects • Chart or model on rain water harvesting • Data analysis of the contribution of various sectors to GDP and employment • Comparison between sectors based on various criterias 	<ul style="list-style-type: none"> • Sensitivity towards the natural resources and analytical thinking about how to tackle such issues. • Respect the importance of rural India and the contribution to our well-being and the problems faced by the farmers
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<p>July [24 Days]</p>	<p><u>Geography: Ch: 4: Agriculture</u></p> <ul style="list-style-type: none"> • Types of Farming – Primitive Subsistence, Intensive Subsistence, Commercial • Cropping Pattern – Major Crops, Food Crops other than Grains, Non Food Crops, Technological and Institutional Reforms • Food Security (excluding impact of globalization on agriculture) 	<ul style="list-style-type: none"> • Explain the importance of agriculture in national economy • Identify various types of farming and discuss the various farming methods • Describe the spatial distribution of major crops as well as understand the relationship between rainfall regimes and cropping pattern. • Explain various government policies for institutional as well as technological reforms since independence. 	<ul style="list-style-type: none"> • Map work on major food and cash crop • Tabular chart on the major crops of India 	<ul style="list-style-type: none"> • Realizes the richness of Indian soil and its fertility
<p>August [23 days]</p>	<p><u>Economics: Ch: 3: Money and credit</u> Role of money in the economy, historical origin since barter system, formal and informal sources of credit, Self help groups</p>	<ul style="list-style-type: none"> • Familiarize students with the concept of money as an economic tool, create awareness of the role of financial institutions from the <u>point of view of day to day life.</u> 	<ul style="list-style-type: none"> • Visit a bank, learn to fill cheques, withdrawal form, making of a draft, deposit forms etc. • Discuss some of the <u>SHG working in their city</u> 	<ul style="list-style-type: none"> • Respects the development India has made as a Nation develops a sense of value of money • Understanding of the needs of the poor and the struggle they face
<p>September [21 days]</p>	<p>REVISION FOR MID TERM EXAMS</p>			

<p>[October 22 days]</p>	<p>Geography: <u>Ch: 5: Minerals and energy resources</u></p> <ul style="list-style-type: none"> • What is a mineral? • Mode of occurrence of Minerals - Where are these minerals found? • Ferrous Minerals, Non-Ferrous Minerals • Non-Metallic Minerals, Rock Minerals • Conservation of Minerals • Energy Resources - Conventional Sources of Energy, Non-Conventional Sources of Energy <p>Conservation of Energy Resources</p>	<ul style="list-style-type: none"> • Identify different types of minerals and energy resources and places of their availability. • Feel the need for their judicious utilization. 	<ul style="list-style-type: none"> • Map work on locating , labeling and identification of various mineral reserves in the country, • map work on thermal power plants in India 	<ul style="list-style-type: none"> • Map skills • Respect for natural environment
	<p><u>Geography Ch: 6: Manufacturing Industries</u></p> <p>Types, spatial distribution, contribution of industries to national economy. Industrial pollution: causes and ways to control</p>	<ul style="list-style-type: none"> • Bring out the importance of industries in the national economy as well as understand the regional disparities which resulted due to concentration of industries in some areas. 	<ul style="list-style-type: none"> • Discussion on the need for a planned industrial development and debate over the role of government towards sustainable development. • map work on locating , labeling and identification of various manufacturing industries in India 	<ul style="list-style-type: none"> • Importance and utilization of man made resources by adopting sustainable development
<p>November [15 days]</p>	<p><u>Economics:</u> <u>Ch: 4: Globalization and the Indian Economy:</u></p> <ul style="list-style-type: none"> • Production across countries <ul style="list-style-type: none"> • Interlinking production across countries • Foreign Trade and integration of markets • What is Globalization? • Factors that have enabled Globalization • World Trade Organization • Impact of Globalization in India • The Struggle for a fair Globalization 	<ul style="list-style-type: none"> • Students will learn about the impact of globalization on today's society and economy, relate it to inflation, growing salaries, development of new cities etc. 	<ul style="list-style-type: none"> • Worksheet <p>Debate on the merits and demerits of Globalization</p>	<ul style="list-style-type: none"> • Better preparedness and value of community cooperation • understanding the need for international cooperation and the value of co-existence

<p>December [19 days]</p>	<p><u>Geography: Ch:7:Lifelines of national Economy</u></p> <ul style="list-style-type: none"> • Roadways • Railways • Pipelines • Waterways • Major Seaports • Airways • Communication • International Trade • Tourism as a Trade 	<ul style="list-style-type: none"> • Students will realize the importance of transport and communication in everyday life and in the economy. They will also realize the role that tourism and trade plays in the development of a nation. 	<ul style="list-style-type: none"> • Map work on important sea ports and airports, major national highways and expressways 	<ul style="list-style-type: none"> • Respects for national property such as railway property etc
<p>January-2023 [23 days]</p>	<p>REVISION AND PREBOARD-1</p>			
<p>February [23 days]</p>	<p>REVISION AND PREBOARD-2</p>			
<p>March [22 days]</p>	<p>FINAL EXAMINATION</p>			

STD : X

ARTIFICIAL INTELLIGENCE SYLLABUS (2023-24)

MONTH & NO OF DAYS	UNIT / CONTENT	EXPECTED LEARNING OUTCOME	SUGGESTED ACTIVITIES / ASSIGNMENTS	VALUES/SKILLS
MARCH 2 DAYS	Introduction to AI Foundational concepts	Students will be able to understand Human intelligence .	Revising std IX curriculum	
APRIL 19 DAYS	Introduction to AI Foundational concepts	Students will be able to understand Human intelligence and its various components such as reasoning, problem solving and creativity	Identify what is AI and what is not	Decision Making.
JUNE 19 DAYS	Basics of AI: Let's Get Started Revision of Python (Practicals) Employability Skills Self-Management skills	Understand the concept of Artificial Intelligence (AI) and its domains Learn about the ethical concerns involved in AI development, such as AI bias, data privacy and how they can be addressed. Students will be able to demonstrate the ability to provide a self-analysis in context of self-management skills	Gamified tools for each domain- DataSciences-ImpactFilter- https://artsexperiments.withgoogle.com/impactfilter/ CV-Autodraw - https://www.autodraw.com/ NLP-Wordtune- https://www.wordtune.com/ List out your strengths and weaknesses	Scientific invention Interpersonal skills Self-awareness
JULY 24 DAYS	AI Project Cycle Advance Python (Practical)	Students will be able to understand the stages of AI Project cycle <ul style="list-style-type: none">• Problem Scoping• Data Collection• Data Exploration• Modelling• Evaluation Able to write basic python programs using fundamental concepts like variables, data types, operators and control structure.	Write down the format of Problem statement template Explain any 4 types of graphs Teachable machine to demonstrate Supervised Learning Complete the python notebooks given	<ul style="list-style-type: none">• Problem Solving• Visualization• Evaluating the idea/concept Problem solving skills Mathematical skills

JULY 24 DAYS (Contd....)	Employability Skills Communication Skills	Able to learn Verbal and Non- Verbal communication and writing skills.	Identifying Elements of the Communication Cycle	Effective communication
AUGUST 23 DAYS	Data Sciences Practical : Basics of python, NumPy Employability skills: ICT Skills	Students will be able to define the concept of Data Science and understand its applications in various fields. Revisiting the basic concepts of data acquisition, visualization and exploration. Students will be able to understand the concept of Python for Data Sciences - NumPy Distinguish between different Operating Systems Apply Basic Skills for Care and Maintenance of Computer	Applications of Data Science- Play Rock, paper, scissors game and write down your inferences Complete the notebooks on data domain Solve worksheets on operating systems, files and folders, computer maintenance, and computer security	Understanding data in a better way. Programming skills/ Statistical Learning & Data Visualisation Knowledge of computer Problem solving skills
SEPTEMBER 21 DAYS	Revision and Term 1 Exam			
OCTOBER 22 DAYS	Computer Vision Introduction	Students will be able to Define the concept of Computer Vision and understand its applications in various fields.	Understanding CV Concepts <ul style="list-style-type: none"> ● Computer Vision Tasks Basics of Images-Pixel, Resolution, Pixel value ● Grayscale and RGB images 	Image Processing Visualization

OCTOBER 22 DAYS	Computer Vision Introduction	Students will be able to Define the concept of Computer Vision and understand its applications in various fields.	Understanding CV Concepts <ul style="list-style-type: none"> • Computer Vision Tasks Basics of Images-Pixel, Resolution, Pixel value <ul style="list-style-type: none"> • Grayscale and RGB image • Game- Emoji Scavenger Hunt https://emojiscavengerhunt.withgoogle.com/ • RGB Calculator: https://www.w3schools.com/colors/color_s_rgb.asp • Create your own pixel art: www.piskelapp.com • Create your own convolutions: http://setosa.io/ev/image-kernels/ Collect success stories of entrepreneurs.	Image processing / Visualization
	Concepts	Understand the basic concepts of image representation, feature extraction, object detection, and segmentation.		
	Employability skills: Entrepreneurial skills	Students will be able to understand the characteristics of successful entrepreneurs, the myths about entrepreneurship and entrepreneurship as a career option.		Interpersonal skills. Critical and creative-thinking skills.
	Practicals: Pandas, Matplotlib	Students will be able to understand the concept of Python for Computer Vision <ul style="list-style-type: none"> • <i>Pandas</i> • <i>Matplotlib</i> 	Complete the notebooks on CV domain	Statistical Learning & Data Visualisation
NOVEMBER 18 DAYS	Natural Language Processing Introduction	Students will be able to Understand the concept of Natural Language Processing (NLP) and its importance in the field of Artificial Intelligence (AI).	Use of Google Translate for same spelling words	Understanding text representation techniques

<p>NOVEMBER 18 DAYS</p>	<p>Chatbots</p> <p>Language Differences</p> <p>Concepts of Natural Language Processing</p>	<p>Explore the various applications of NLP in everyday life, such as chatbots, sentiment analysis, and automatic summarization Gain an understanding of the challenges involved in understanding human language by machine.</p> <p>Learn about the Text Normalization technique used in NLP and popular NLP model - Bag-of-Words</p>	<p>Introduction to Chatbots</p> <p>Data Processing</p> <p>Text Normalisation</p> <p>Bag of Words</p> <p>Text processing</p> <ul style="list-style-type: none"> ● Data Processing ● Bag of Words 	
<p>DECEMBER 19 DAYS</p>	<p>Evaluation</p> <p>Confusion matrix</p> <p>Evaluation methods</p>	<p>Students will be able to</p> <p>Learn to make a confusion matrix for given Scenario</p> <p>Learn about the different types of evaluation techniques in AI, such as Accuracy, Precision, Recall and F1 Score, and their significance.</p> <p>Students will understand the use of confusion matrix to predict results how to find out Accuracy, Precision, Recall and F1 Score</p>	<p>Practicce Evaluation Methods</p> <ul style="list-style-type: none"> ● Accuracy ● Precision ● Recall ● F1 Score <p>Understand the evaluation parameters with the help of examples</p>	<p>Problem solving skills</p> <p>Mathematical skills</p>
<p>JANUARY 23 DAYS</p>	<p>Employability skills:</p> <p>Green Skills</p> <p>PREBOARD EXAM</p>	<p>Students will understand The Sustainable Development. Able to plan the use of resources in a sustainable manner</p>	<p>Discussion on How to Prevent Wastage.</p>	<p>Cognitive Skills/ Attitude</p>
<p>FEBRUARY 23 DAYS</p> <p>MARCH 22 DAYS</p>	<p>REVISION/EXAM</p>			

STD : X

INFORMATION TECHNOLOGY SYLLABUS (2023-24)

MONTH & NO OF DAYS	UNIT / CONTENT	EXPECTED LEARNING OUTCOME	SUGGESTED ACTIVITIES / ASSIGNMENTS	VALUES/SKILLS
MARCH 2 DAYS	Digital Documentation (Advanced)	Students will be able to revise digital documentation.	Revising std IX curriculum	Knowledge of Word Processing
APRIL 19 DAYS	Digital Documentation (Advanced)	Students will be able to <ul style="list-style-type: none"> • Create and Apply Styles in the document • Insert and use images in document • Create and use template 	<ul style="list-style-type: none"> • List style categories. • Create a new style using drag-and drop. 	Creativity
JUNE 19 DAYS	Digital Documentation (Advanced) Employability Skills Self-Management skills	Students will be able to <ul style="list-style-type: none"> • Create and customize table of contents • Implement Mail Merge Students will be able to demonstrate the ability to provide a self-analysis in context of self-management skills	<ul style="list-style-type: none"> • Create a table of contents. Define a hierarchy of headings. • Demonstrate to print the label using mail merge, do the following to achieve List out your strengths and weaknesses	Data Handling Self-awareness Time Management
JULY 24 DAYS	Electronic Spreadsheet (Advanced) Employability Skills Communication Skills	Students will be able to Analyse data using scenarios and goal seek. Link data and spreadsheets Students will be able to Able to learn Verbal and Non- Verbal communication and writing skills.	<ul style="list-style-type: none"> • Use “what if” scenarios Use “what if” tools • Use goal seek and solver • Create reference to other sheets • Create references to other documents Link to external data. Identifying Elements of the Communication Cycle	Data Handling Data Processing Effective communication

AUGUST 23 DAYS	Electronic Spreadsheet (Advanced)	Students will be able to Share and review a spreadsheet	<ul style="list-style-type: none"> Set up a spreadsheet for sharing, Record changes, Add, Edit and Format the Comments, Review changes – view, accept or reject changes. Merge and compare sheets. 	Data Processing and creative thinking
	Employability skills: ICT Skills	Distinguish between different Operating Systems Apply Basic Skills for Care and Maintenance of Computer	Solve worksheets on operating systems, files and folders, computer maintenance, and computer security	Knowledge of computer Problem solving skills
SEPTEMBER 21 DAYS	Electronic Spreadsheet (Advanced)	Students will be able to Create and Use Macros in spreadsheet	<ul style="list-style-type: none"> Demonstrate the use of a macro recorder., Create a simple macro. Access cells directly Sort the columns using macro. 	Critical thinking
OCTOBER 22 DAYS	Database Management System	Students will be able to Appreciate the concept of Database Management System	<ul style="list-style-type: none"> Prepare the sample table with some standard fields. Assign the primary key to the field, composite primary key, foreign key. 	Data Handling
		Create and edit tables using wizard and SQL commands	<ul style="list-style-type: none"> steps to create Form using Form Wizard, Enter or remove data to modify Forms, change label, background, Search ,Insert and delete record using Form View, create Report using Report Wizard, 	Analytical thinking
		Create Forms and Reports using wizard	<ul style="list-style-type: none"> Illustrate the various steps to create ,modify, delete Form using Form Wizard, to create Report using Report Wizard, Demonstrate various examples of Report. 	Creativity and data handling

<p>OCTOBER 22 DAYS</p>	<p>Employability skills: Entrepreneurial skills</p>	<p>Students will be able to understand the characteristics of successful entrepreneurs, the myths about entrepreneurship and entrepreneurship as a career option.</p>	<p>Collect success stories of entrepreneurs.</p>	<p>Interpersonal skills. Critical and creative-thinking skills.</p>
<p>NOVEMBER 18 DAYS</p>	<p>Web Applications And Security</p>	<p>Students will be able to Work with Accessibility Options.</p>	<ul style="list-style-type: none"> • Illustrate use of various options under Computer Accessibility <p>use of toggle keys, filter keys, sticky keys, sound sentry, show sounds etc.</p>	<p>Technical skills</p>
<p>DECEMBER 19 DAYS</p>	<p>Web Applications And Security</p>	<p>Understand Networking Fundamentals</p> <p>Introduction to Instant Messaging</p> <p>Chatting with a Contact – Google Talk</p> <p>Creating and Publishing Web Pages – Blog ... - Using Offline Blog Editors - Online Transaction</p> <p>Internet Security</p> <p>Maintain workplace safety</p>	<ul style="list-style-type: none"> • Identify applications of Internet and networks • comparing various internet technologies <p>Illustrate steps to create instant messaging account</p> <ul style="list-style-type: none"> • chatting with various messenger services <p>Illustrate Blog Creation and setting various parameters in it</p> <ul style="list-style-type: none"> • Illustration of online shopping using various ecommerce sites • Demonstration of securing passwords for online transactions. • illustration of internet security threats through various ways • cyber security tips • tips for secure passwords, strong passwords <ul style="list-style-type: none"> • Practice to follow basic safety rules at workplace to prevent accidents and protect workers 	<p>Networking skills</p> <p>Accountability</p> <p>Presentation, Creativity</p> <p>Critical Thinking Reliability</p> <p>Interpersonal skills</p>

<p>DECEMBER 19 DAYS (continued...)</p>		<p>Prevent Accidents and Emergencies</p> <p>Protect Health and Safety at work</p>	<ul style="list-style-type: none"> • Illustrate to handle accidents at workplace, • Demonstrate to follow evacuation plan and procedure in case of an emergency. • Identify hazards and sources of hazards, problems at workplace that could cause accidents, 	<p>Critical Thinking, Problem-Solving, Decision-Making, Communication skills</p> <p>Critical Thinking, Problem-Solving</p>
<p>JANUARY 23 DAYS</p>	<p>Employability skills: Green Skills</p>	<p>Students will understand The Sustainable Development.</p> <p>Able to plan the use of resources in a sustainable manner</p>	<p>Discussion on How to Prevent Wastage.</p>	<p>Cognitive Skills/ Attitude</p>
	<p>PREBOARD EXAM</p>			
<p>FEBRUARY 23 DAYS MARCH 22 DAYS</p>	<p>REVISION/EXAM</p>			

D.A.V. PUBLIC SCHOOL, AUNDH, PUNE
SYLLABUS 2023 - 2024

STD X		SUBJECT : ART		
Month	Topic / Content	Learning outcome	Assignments / Suggested Activities	Values and skill
1 April 18 Days	Colour Theory & The colour terms Hue,Tints,Shades,Tones,Grada tions and Monocromatic colours scheme	Students will be able to learn , understand terms & identify colours scheme .	Draw a square of 20 x 20 cm and create 2D design in it. Use monocromatic colours scheme. Practice some more pictures with monocromatic colours.	Creativity and Neatness.
2 June 19 Days	Still Life Drawing-Study of manmade and Nature object.	Students will be able to learn to compose manmade objects. Students will be able to draw and shade Vegetables.	Draw and shade kettle,cup and saucer,plate etc. Draw and shade ridge gourd ,carrot and green coconut. Practise some more manmade and nature objects .	Rendering tonal values /shading.Observation , importance of nature .
3 July 24 Days	Appreciation -The life and work of well known Western Artist Raza ,VincenVanGogh,Pablo Picaso.	Students will be able to learn life of an Artist and understand their work/style of painting .	Create a good canvas painting of your own style after studying various Artist style and work . Sketch some artist work.	Observation/recollection/ self expression.

4	August 23 Days	Poster Making - Stop Child Labour, Save Girl Child.	Students will be able to learn the significance of nature & to foster social awareness about it.	Draw & colour poster on any one of the given theme . Design some more poster.	Presentation , importance of nature .
5	September 21 Days	Design based on Natural forms. Decorative forms. Letter forms.	Design Students will be able to learn and understand principal of design Repetition, Alternation, Proportion, Balance, shapes & line, forms, colours, tones, textures, shades etc.	Prepare a beautiful design on any one of the given topics. Saree Border or shopping bag. Practise various types of floral designs.	Balance/colour scheme Imagination/creativity.
6	October 22 Days	Pictorial Composition - Study of space, creative use of colours, atmosphere, subjective moods.	Students will be able to get knowledge of elements of art and learns to draw human figures and its composition.	Create a good composition of Snake Charmer or Clay Potter . Sketching of human figure.	Observation/recollection/ self expression.
7	November 15 Days	Folk Art - Warli/Tribal Art , Mandala Art.	Students will be able to learn & understand tribal art and its motifs , colour scheme.	Create a beautiful Warli painting of Marriage ceremony or Festival on canvas or paper . Create beautiful design of Mandala/Warli for coaster (set of six) Practice some more pictures.	Colour scheme , composition, creativity neatness.

8	December 19 Days	Logo Design or Orphanage.	NGO	Students will be able to learn and understand the art of logo design and sketching.	Design a logo for NGO or Orphanage Practise some more logo designs.	Creativity , Imagination and Neatness.
9	January 23 Days	Calligraphy & Lettering Devnagiri ,Roman Alphabet (Scripts)		Students will be able to learn forceful flow of lines and strokes.	Create certificate design for intra school competition in your drawing book in a rectangle of 24 cmx18cm Practise some different fonts of calligraphy.	Creativity and Neatness.
10	February 23 Days	Print-Making and Perspective		Students will be able to learn and understand the art of Print-making . Student will be able to learn about one point perspective.	Create beautiful design on cloth bag using original print block . Draw one point perspective of Railway line,light ,poles and fence. Practice two point perspective of building ,wodden block ,car.	Neatness and presentation, Vanishing point.
11	March 22 Days	Landscape (In different mediums) Water Colour (Transparent colours) Poster colour (Opaque) Pencil Shading and Acrylic.	(In different mediums)	Students will be able to learn and understand use of various media, tools and techniques and painting surfaces such as handmade paper rough,smooth,tinted paper ,canvas ,clothpasted on hardboard .	Draw and paint landscape of Sunrise or sunset and colour with any medium of your choice. Use any kind of paper or canvas. Practise some more Landscape .	Importance of nature/ colour harmony.

**D.A.V PUBLIC SCHOOL ,PUNE
2023-24**

STD : X					
SYLLABUS			SUBJECT : MUSIC		
MONTH	UNIT/ LESSON	LEARNING OBJECTIVES	EXPECTED LEARNING OUTCOME	SUGGESTED ACTIVITIES	VALUES/ SKILLS
April	Alankar (Shudha Swar, Chhandatmak) / Dadra (Shyam Sunder Madan Mohan)	To enable the students to learn the meaning of alankar and sing it. incorporate semi classical music	Students will be able to learn the meaning of alankar and sing it.	Make new alankars by using swaras and learn the sequence.	Creativity & Imagination
June	Dadra/Patriotic Song (Koti-Koti Kanthon nein Gaya)	To enable the students to learn the meaning of the song and sing it.	Students will be able to learn the meaning of the song and sing it.	Sing any patriotic song.	Patriotism
July	Patriotic Song (Continued)	To enable the students to learn the meaning of the song and sing it.	Students will be able to learn the meaning of the song and sing it.	Sing any patriotic song.	Patriotism
August	English Song (Words)	To enable the students to sing the song.	Students will be able to sing the song.	Listen to the song and sing it.	Harmony and tonic progression
September	English Song (continued)	To enable the students to learn the meaning of the song and sing it.	Students will be able to learn the meaning of English song.	Listen any English song.	Immitate english accent and the composition style
REVISION & HALF YEARLY EXAMINATION					
MONTH	UNIT/ LESSON	LEARNING OBJECTIVES	EXPECTED LEARNING OUTCOME	SUGGESTED ACTIVITIES	VALUES/ SKILLS
October	Bhajan (Mero Mann Ram hi Ram Ratey Re)	To enable the students to learn the meaning of the devotional song and sing it.	Students will be able to learn the meaning of the bhajan and sing it.	Sing a vedic bhajan.	Inculcate Spritualism & Devotion
November	Bhajan (Continued) Shanti Path	To enable the students to learn the meaning of the devotional song and sing it.	Students will be able to learn the meaning of the bhajan and sing it.	Sing a vedic bhajan.	Inculcate Spritualism & Devotion
December	Patriotic Song (vandy a vande mataram)	To enable the students to learn the meaning of the song and sing it.	Students will be able to learn the meaning of the song and sing it.	Sing any patriotic song.	Patriotism
January	Patriotic Song (Continued)	To enable the students to learn the meaning of the song and sing it.	Students will be able to learn the meaning of the song and sing it.	Sing any patriotic song.	Patriotism
February	Revision of Bhajan & Patriotic Song				
March	REVISION & FINAL EXAMINATION				

ASSESSMENT - 1			ASSESSMENT - 2		
TERM 1		SEPTEMBER	TERM 2		FEBRUARY
S.NO.	TOPIC		TOPIC		
1	ALANKARS - SHUDHA SWAR , CHHANDATMAK		ALANKARS - SHUDHA SWAR , CHHANDATMAK		
2	DADRA - SHYAM SUNDER MADAN MOHAN		DADRA - SHYAM SUNDER MADAN MOHAN		
3	PATRIOTIC SONG - KOTI KOTI KANTHON NEIN GAYA		PATRIOTIC SONG - KOTI KOTI KANTHON NEIN GAYA		
4	ENGLISH SONG - WORDS		ENGLISH SONG - WORDS		
5			BHAJAN- MERO MANN RAAM HI RAM RATEY RE		
6			PATRIOTIC SONG - VANDYA VANDE MATARAM		
7			SHANTI PATH		

SUBJECT: DANCE		2023-24		STD :X
Month	Chapter & Topics	Expected learning objectives	Suggested activities	Values/Skills
April 19 days	Revision & practice of footsteps of Kathak- Tatkar, Hand movements, 2 Tukdas	Students will be able to do reinforcement and revision of dances already learnt in STD- IX	Practice dance at home	Creativity, Sensitivity Punctuality, Dancing
June 19 days	Practice of footsteps of Kathak- Tatkar, Hand movements, 2 Tukdas and Tihai	Students will be able to revise the dance lessons.	Practice dance at home	Creativity, Sensitivity Punctuality, Dancing
July 24 days	Patriotic dance	Students will be able to understand the importance of patriotism in life	Practice dance at home	Nationalism, Patriotism, Punctuality, Dancing
August 23 days	Patriotic Dance	Students will be able to understand the importance of patriotism in life	Practice dance at home	Nationalism, Patriotism, Punctuality, Dancing
September 21 days	Traditional aspect of Kathak dance 1) Chakkardar Tukda 2) Hast Mudra 3) Hastak	Students will be able to perform and learn traditional aspect of Kathak	Practice dance at home	Creativity, Sensitivity Punctuality, Dancing
October 22 days	Choreography on Classical dance	Students will be able to perform and learn traditional aspect of Kathak and develop interest through choreography	Practice dance at home	Creativity, Sensitivity Punctuality, Dancing
November 15 days	Choreography on Classical dance	Students will be able to perform and learn traditional aspect of Kathak and develop interest through choreography	Practice dance at home	Creativity, Sensitivity Punctuality, Dancing
December 19 days	1) Introduction of Folk Dance forms of India 2) Folk dance of Maharashtra	Students will be able to try and understand the folk dances of India and learn folk dance of Maharashtra	Practice dance at home	Creativity, Sensitivity Punctuality, Dancing
January 23 days	Folk dance of Maharashtra	Students will be able to learn folk dance of Maharashtra	Practice dance at home	Creativity, Sensitivity Punctuality, Dancing
February 23 days	Dance on devotional songs (Vandana)	Students will be able to perform and learn dance on devotional songs	Practice dance at home	Creativity, Sensitivity Punctuality, Dancing
March 22 days	Revision of all lessons	Students will be able to do reinforcement and revision of dances already learnt	Practice dance at home	Creativity, Sensitivity Punctuality, Dancing

PHYSICAL EDUCATION		2023-24	STD :X
Month / days	Unit / Content	Learning outcome	Values &Skills
April 18 Days	Warm up Basketball	Team Spirit Health, Discipline, To understand the game	Values - To develop agility, speed, body balance, flexibility, endurance Skills - Basketball dribbling , dodging , throwing . passing techniques, rules of the games
June 19 Days	Warm up Dodgeball, Football	Imagination, Health, Discipline, To understand the game	Values -Physical Fitness, Hand and eye Co-ordination Skills -Throwing and dodging techniques, dribbling, long kicks, long passes etc.
July 24 Days	Warm up Badminton, Table Tennis	Thinking, Health, Discipline, To understand the game	Values - Co-ordination, Concentration, Stamina Skills - Grip, stance, stroke, service smash
August 23 Days	Warm up Football, Basketball	Self Confidence, Health, Discipline To understand the game	Values - To develop mentally and physically fit Skills -Kicks ,passes, dribbling, trapping Throwing techniques,
September 21 Days	Warm up Basketball	Understanding Health, Discipline, To understand the game	Values - To develop agility , speed , body balance flexibility, endurance Skills - Passes, dribbling, pivot
October 22 Days	Warm up Throw Ball, Ring Tennis	Co-Ordination, Health, Discipline, To understand the game	Values - Team spirit, Sportsman Spirit Skills - Grip , stance, Throwing Techniques, Catching techniques
November 15 Days	Warm up Volleyball, Throw ball	Co-Ordination, Health, Discipline, To understand the game	Values - To develop muscular strength, endurance, stamina Skills -Service techniques, smash techniques, throwing, catching techniques
December 19 Days	Warm up Kho-kho Football	Grasping, Health, Discipline, To understand the game	Values - To become a good citizen through the sports Skills -Stance, kho techniques, penalty kick, off side, rule of the game
January 23 Days	Warm up Basketball	Co-Ordination, Physical Fitness, Health, Discipline, To understand the game	Values - To develop Hand and Eye Co-ordination, Team sprit stamina. Skills - Dribbling, Chest passing, Lay-up shot
February 23 Days	Warm up Football, Basketball	Physical Fitness, Health, Discipline, To understand the game	Values - To develop Physically & mentally Fit, Team sprit Skills - Heading and throw-in techniques, goal keeping, Dribbling, passing, rules of the game

SUBJECT:YOGA		2023-24		STD :X
Months/Days	Unit / Lesson &Content	Learning outcomes	Assignment/Activities	Values / Skills
April 18 days	What is Yoga? History and importance of Yoga	Students will realize the History and importance of Yoga	Notes on History and importance of Yoga	To appreciate the contribution of Yoga in our day to day life
June 19 days	Pranayama	Students will know about the ancient breathing technique.	Guidelines for the practice of pranayama	To will realize the health benefits of proper breathing technique
July 24 days	Meditation	Students imbibe knowledge of proper meditation	Meditation session in Yoga class	To develop concentration and positive attitude through meditation
August 23 days	Suryanamskar	Students will gain knowledge about proper ways of performing Suryanamskar	To collect information and advantages of 12 asanas of Suryanamskar	To improve the overall physical health
September 21 days	PRACTICING ALL ASANAS LEARNT			
October 22 days	Different types of Tadasana	Students will gain knowledge about proper ways of performing different Tadasana	Do's and Don'ts Chart of Tadasana	To improve the overall physical health
November 15 days	Vrikshasana (Tree posture)	Students will gain knowledge about proper ways of performing Vrikshasana	Do's and Don'ts Chart of Tree posture	To understand the importance of Vrikshasana
December 19 days	Trataka (concentrated gazing)	Students will gain knowledge about proper ways of performing Trataka	Do's and Don'ts Chart of Trataka	To strengthen the eye muscles and improve vision.
January 23 days	PRACTICING ALL ASANAS LEARNT			

HEALTH AND NUTRITION		2023-24		STD :X
MONTHS / DAYS	CONTENT/ TOPIC	LEARNING OUTCOME	ACTIVITIES	VALUE/SKILLS
APRIL 18 DAYS	What is health?	Students define health	Write an article on topic “ The significance of health “ in 50 words	The students understand importance of health.
JUNE 19 DAYS	Sources of food: Food from plants and food from animals	Students differentiate between plant and animal sources of food.	List food items which you eat in our daily life into two groups-Food from plants and food from animals -10 each	The students analyse sources of food in their daily life.
JULY 24 DAYS	What are nutrients (components of food)? Importance of Carbohydrates and fats	Students understand nutrients and their importance	-----	The students become aware about their nutritional needs.
AUGUST 23 DAYS	Importance of proteins, vitamins and minerals	Students understand importance of proteins, vitamins and minerals in their diet	List out food items which give energy, build body and protect us from diseases (5 each)	The students understand importance and source of nutrients
SEPTEMBER 21 DAYS	Vitamins, their sources, functions and deficiency diseases.	Students relate deficiency of vitamins with its diseases	-----	The students understand importance of vitamins in daily diet.
OCTOBER 22 DAYS	Mineral , their sources, functions and deficiency diseases	Students relate deficiency of minerals with its diseases	Write a report on any one mineral/ vitamin deficiency disease in 50 words. Also paste a picture related to the disease.	The students become aware about vitamin/ mineral deficiency diseases
NOVEMBER 15 DAYS	Balanced diet and importance of water and roughage	Students analyses importance of balanced diet	Prepare your own meal plan, by choosing food items, so that they form a balanced diet for you- For Breakfast, Lunch and Dinner meals	The students develop their meal plan based on balanced diet
DECEMBER 19 DAYS	Factors responsible for poor health	Students understand factors for poor health.	-----	The students become conscious about their health
JANUARY 23 DAYS	Obesity	Students analyse causes of obesity	-----	The students become aware about effects of obesity
FEBRUARY 23 DAYS	Personal hygiene and physical exercise	Students realise importance of hygiene and physical exercises	Collect some information about careers in health and nutrition and discuss in class.	The students practice personal hygiene and physical exercise in their daily life.