INDEX

S.No.	Contents	Page No.
1.	Preface	2
2.	General Guidelines	3
3.	Schedule of distribution of units in the syllabus	4
4.	<u>Syllabus in Detail :</u>	
	• English	5
	• HIndi	8
	Mathematics	11
	Physics	14
	Chemistry	16
	• Biology	17
	History / Political Science	19
	Geography	20
	Economics	22
	Computer Application	23
	Financial Markets Management	24
	Physical Education	25
	Artificial Intelligence	25

PREFACE

The syllabus for Class X has been compiled in accordance with the curriculum set by CBSE and the guidelines provided by the CBSE from time to time.

The course aims to provide certain objectives which have been enlisted in the syllabus booklet.

The chapterwise allocation of marks has been provided for the students, list of help books / textbooks and other literature related to the specific subject has also been provided.

Students are advised to read their "NCERT" text books, first and along with it refer to those added materials.

We hope that our work proves to be helpful to the students and to the faculty members.

GENERAL GUIDELINES FOR THE STUDENTS

- 1. Students should be present in the class at the start of the period and reach in time for all other activities and functions.
- 2. Attendance on the last day of school before vacation and first day of the school after vacations is absolutely essential.
- 3. Students are required to behave politely at all times and should not use indecent languages or, indulge in fights and quarrels with other children in the school. Any behaviour likely to cause hurt to others in the matter of language, religion or community is strictly prohibited.
- 4. Children should refrain themselves from the following activities : Spitting in or near the school building, disfiguring or otherwise damaging the school property, any form of rowdyism and rude behaviour.
- 5. No students should scratch or damage the school property or write or draw on the walls or cause damage in any way to any item belonging to the school or to others in the school. Any damage done will render the students liable for recovery of damages.
- 6. In the absence of the teacher from the classroom students are required to observe silence and obey the monitor of the class.
- 7. Every student should have his/her own textbook, stationery and other material required for studies, articles should not be exchanged, nor should money be borrowed or lent.
- 8. A student who uses unfair means in the examination will render himself/herself liable to such punishment as is considered necessary by the Principal/Co-ordinator.
- 9. The general behaviour of students should be good not only within the school but also outside. Any reported objectionable conduct within or outside the school will make the student liable for disciplinary action.
- 10. Every student should take care of his/her personal belongings, school authorities will not be responsible for loss of such belongings.
- 11. It is the duty of all students to keep their classrooms and other places in and around the school clean and in order. All waste paper and other discardable materials should be thrown in the dustbin.
- 12. No student is allowed to write on the black board unless asked to do so by the teacher.
- 13. Before leaving the class room at the end of the day they should arrange the desks and chairs in proper order, put off the lights and fans, close the windows, throw the waste and unwanted materials into the dustbin and then leave the class room.
- 14. A student should come to the school in proper uniform which should be properly washed & ironed.
- 15. A student should greet/wish everybody with a pleasant smile.
- 16. Violation of the rules and regulations of the school and the code of conduct will render the concerned student liable to punishment including removal from the rolls of the school.

UNIT WISE DISTRIBUTION OF THE SYLLABUS (2023-24)

<u>CLASS X</u>

Unit	Dat	es			
	From	То	No. of Days		
Unit 1	01.03.2023	31.03.2023	20 (Block Teaching)		
Unit 2	01.04.2023	21.04.2023	13		
Unit 3	24.04.2023	06.05.2023	11		
Unit 4	08.05.2023	19.05.2023	10		
Unit 5	22.05.2023	31.05.2023	08 (Extra Classes)		
Summer Vacation	01.06.2023	29.06.2023			
Unit 6	30.06.2023	15.07.2023	13		
Unit 7	17.07.2023	28.07.2023	10		
Unit 8 & Rev.	31.07.2023	11.08.2023	11		
Unit 9	28.08.2023	16.09.2023	14		
Unit 10	18.09.2023	30.09.2023	10 (Block Teaching)		
Unit 11	03.10.2023	13.10.2023	10		
Unit 12 & Rev.	16.10.2023	31.10.2023	10 (Including Autumn Break)		
Autumn Break	21.10.2023	24.10.2023			
O a manufaction of O allah					

Completion of Syllabus Monday, 31.10.2023

REVISION SCHEDULE :

Dates			
	From	То	No. of Days
Rev. for Pre-Board-1	01.11.2023	24.11.2023	16
Rev. for Pre-Board-2	11.12.2023	29.12.2023	14

EXAMINATION SCHEDULE :

Assessments	Dates	
	From	То
Block Teaching	01.03.2023	31.03.2023
Periodic Assessment-1	01.05.2023	08.05.2023
Extra Classes	22.05.2023	31.05.2023
Periodic Assessment-2	15.07.2023	21.07.2023
Half Yearly Exams	14.08.2023	25.08.2023
Block Teaching	18.09.2023	30.09.2023
Pre-Board-1	29.11.2023	08.12.2023
Pre-Board-2	09.01.2024	20.01.2024
Blessing Ceremony : To be announced later.		

	ENGLISH LANGUAGE AND	 retell the contents of authentic audio texts Weave a story 	
	LITERATURE	(weather reports, public announcements, Unit 2 01.04.2023 to 21.04.2023	(13)
Pr 1. 2. Ge Th * * * *	escribed Books : First Flight : English Text Footprints without Feet : English Suppl. Reader eneral Objectives : te general objectives at this stage are : to build greater confidence and proficiency in oral and written communication. to develop the ability and knowledge required in order to engage in independent reflection and inquiry. to use appropriate English to communicate in various social settings. equip learners with essential language skills to question and to articulate their point of view. to build competence in the different registers of English. to develop sensitivity to, and appreciation of, other varieties of English, like Indian English, and the culture they reflect to enable the learner to access knowledge and information through reference skills (consulting a dictionary / thesaurus, library, internet, etc.).	 Instruget: participate in conversations, discussions, etc., on topics of mutual interest in non classroom situations. narrate the story depicted pictorially or in any other non-verbal mode. respond in writing to business letters, official communications. read and identify the main points / significant details of texts like scripts of audio-video interviews, discussions, debates, etc. write without prior preparation on a given topic and be able to defend or explain the position taken / views expressed in the form of article, speech, or a debate. write a summary of short lectures on familiar topics by making / taking notes. write an assessment of different points of view expressed in a discussion / debate read poems effectively (with proper rhythm and intonation). transcode information from a graph / chart to a description / report and write a dialogue, short story or report. Subject to minor changes due to unavoidable circumstances 	- avorite ators. large of h (11)
•	to develop curiosity and creativity through extensive reading. to facilitate self-learning to enable them to	Unit 1 01.03.2023 to 31.03.2023 (20) Literature : Revision PROSE : 3. Two Stories about Flying Writing : Free speech Translations 4. From the Diary of Appe Fr	(···)
٠	become independent learners. to review, organize and edit their own work	Creative writings POETRY 3. A Tiger in the Zoo Speaking Activities 4. How to Tell Wild Animals	
and work done by peers. At the end of this stage, learners will be able to		Grammar: Tenses, DeterminersFootprints without feet : 2. The Thief's StReported SpeechGrammar: Use of Can/Could , Shall /Sh	tory 10uld,
dc	the following :	Art Integration/Activities : Will/Would, integrated exerci	ise for
*	give a brief oral description of events / incidents of topical interest.	One minutes Speaking activities error correction	

Т

Writing : Letter to Editor, Analytical writing-	Footprints without feet : 3. The Midnight Visitor-	Integrated grammar practices with
Bar Graph	Video Clips of James Bond	all topics covered so far.
Art Integration/Activities :	Grammar : Usage of Prepositions-Timetable	Art Integration/Activities :
Literature : First Flight	dictation, Scavenger hunt	First Flight : PROSE :
PROSE :	Writing : Letters of Enquiry and Complaint,	8. Mijbil the Otter-present their views on any of
3. Two Stories about Flying-Draw Stages of a	Analytical writing - Pie Chart	the following :
Bird's life, Audio Visual aids on supernatural.	Unit 5 22.05.2023 to 31.05.2023 (08)	a. I would like to have a pet, because
4. From the Diary of Anne Frank-Poem Writing	Literature : First Flight	b. What I like most about my pet is
on 'Let's Spread Love'	PROSE : 7. Glimpses of India	c. My parents don't want me to have a pet
POETRY :	Footprints without feet : 4. A Question of Trust	because
3. A Tiger in the Zoo-Slogan writing on 'Save	Grammar : Usage of must, ought to, need to,	POETRY :
tigers'	have to, had to, and their negative	8. The Trees-Write about conflict between "Man
4. How to Tell Wild Animals-Awareness	forms.	vs Nature and Man vs Man" and Make a
Campaign 'Say no to animal cruelty'	Writing : Letter for placing orders. Analytical	poster highlighting trees as a symbol of
Footprints without feet : 2. The Thief's Story	Paragraph - chart, Map. cues	various things, ideas and emotions.
Pictorial Representation of the story	Art Integration/Activities :	Grammar : Determiners and use of passives
Grammar : Use of Can/Could, Shall/Should,	First Flight : PROSE :	Integrated grammar practices with
Will/Would, integrated exercise for error	7. Glimpses of India-	all topics covered so far.
correction-Role Play	a) A Baker from Goa-Prepare a Baker's Menu.	Unit 7 17.07.2023 to 28.07.2023 (10)
Writing : Letter to Editor, Analytical writing-	News telecast on the local bakers of Goa.	Footprints without feet :
Bar Graph	b) Coord-Travel Brochure	5. Footprints without Feet
Unit 4 08.05.2023 to 19.05.2023 (10)	c) Tea from Assam-Compose an	Writing Skills : Formal Letters, Analytical
Literature : First Flight	advertisement lingle for a tea brand.	Paragraph
POETRY : 5. The Ball Poem	Footprints without feet : 4. A Question of	Grammar : Integrated Grammar practice
6. Amanda	Trust - Dramatization	Art Integration/Activities :
Footprints without feet : 3. The Midnight Visitor	Grammar : Usage of must ought to need to	Footprints without feet
Grammar : Usage of Prepositions: of, from,	have to had to and their negative	5 Footprints without Feet –Mind Map
with, in, on, at, into, across, along,	forms. Games like Can You Bingo	Writing Skills : Formal letters Story writing
beside, between, among etc.	Should You Do That ? and On	Grammar : Integrated Grammar practice
Writing : Letters of Enquiry and Complaint,		Unit 8 & Rev 31 07 2023 to 11 08 2023 (11)
Analytical writing - Pie Chart	Writing : Letter for placing orders Analytical	Literature · First Flight
Art Integration/Activities :	Paragraph - chart Map cues	PROSE : 9 Madam Rides the Bus
Literature : First Flight	Unit 6 30.06 2023 to $15.07.2023$ (13)	POETRY : 9 Fog
POETRY :	Literature : Eirst Flight	Footprints without feet
5. The Ball Poem : Draw their most precious	PROSE : 8 Miibil the Otter	6 The Making of a Scientist
thing and write some lines about it. Describe	POETRY : 8 The Trees	Grammar : Voice Subject Verb Accord
the emotions attached.	Grammar : Determiners and use of passives	Writing : Formal Letter Business Letter
6. Amanda-Game 'Let's Pretend'		

Art Integra First Flight	Writing : Unit 10 18			
9. Madam	Literature :			
of the	little girl - Valli, Write an alternative	PROSE :		
ending	to the story.	POETRY :		
POEIRY		Grammar :		
9. Fog-Io	write a similar poem (5-6 lines), giving			
a word	picture of an experience or scene.	Art Integratio		
Footprints	Scientist Dis skatch writing	PRUSE :		
Crommor	Scientist-Bio sketch whiting	PUEIRT :		
Grammar	The dialogue game	Crommor		
	The dialogue game	Grammar :		
Writing	: Formal Letter, Busines Letter			
Unit 9	20.00.2023 to 10.09.2023 (14)			
Droop	· FIISE FIIGHE	Literature .		
Plose	: 10. The Semion at Benales			
Foetprints	without Foot : 7 The Necklace	Grammar :		
Grammar	· Penorted Speech: Statements	Art Intogratic		
Grannia	commands and requests	Footprints w		
	interrogative sentences	making : '		
Writing	Analytical Paragraph	the World		
Art Integra	tion/Activities :	Grammar :		
First Flight	+ PROSE :	Unit 12 & Rev		
10 The Se	rmon at Benares - Audio visual of			
some f	amous sermons to be watched and	FXAMINATIO		
perform	ned	Periodic Ass		
POETRY	:	Reading :		
10. The Tal	e of Custard the Dragon - Analysis of	Writing skills		
the pict	ure of a 'dragon'. draw pictures of a	Grammar :		
dragon	dragon and add features using imagination.			
Footprints	without Feet :			
7. The Ne	cklace- What are the things you	Literature :		
conside	er essensial for happiness? Make a	Footprints w		
web ch	art.	Periodic Ass		
Grammar	: Reported Speech: Statements,	Reading :		
	commands and requests,	Writing skills		
	interrogative sentences	-		

Vriting	: Analytical Paragraph
Jnit 10	18.09.2023 to 30.09.2023 (10)
iterature.	: First Flight
PROSE	: 11. The Proposal
OETRY	: 11. For Anne Gregory
Frammar	: Editing, Omission and Jumbled
	sentences
Art Integra	tion/Activities : First Flight
PROSE	: 11. The Proposal – Role Play
OETRY	: 11. For Anne Gregory-Visual
Frammar	: Editing, Omission and Jumbled
1	
	03.10.2023 to 13.10.2023 (10)
.iterature	: Footprints without Feet :
	9. BROII
	I. Integrated grammar practice
rannar Art Intogra	tion/Activition
in meyra	without Foot: 9 Bholi - Poster
making	: 'Education is the weapon to change
the Wo	rld'
Grammar	: Integrated grammar practice
Jnit 12 & F	Rev. 16.10.2023 to 31.10.2023 (10)
opic	: Revision
EXAMINAT	ION SCHEDULE :
Periodic As	sst-1 01.05.2023 to 08.05.2023
Reading	: Unseen comprehensions
Vriting ski	IIs : Letter to the Editor
Grammar	: Integrated Grammar, Editing,
	Omission, Jumbled Sentences,
	Fill ups
iterature.	: First Flight : Unit. 1 and 2
ootprints	without Feet : Ch.1
Periodic As	sst-2 15.07.2023 to 21.07.2023
Reading	: Unseen comprehensions
Vriting ski	IIs : Enquiry and Complaint Letters,
	Analytical Paragraph

Grammar	: Integrated Grammar, Editing,
	Omission, Jumbled Sentences,
	Fill ups
Literature	: First Flight : Ch. 3 to 8
Footprints	without Feet : Ch. 2 to 5
Half Yearly	Exams 14.08.2023 to 25.08.2023
Reading	: Unseen Comprehensions
Writing ski	IIs : Formal Letters,
	Analytical Paragraph
Grammar	: Integrated Grammar, Editing,
	Omission, Jumbled Sentences,
	Fill ups
Literature	: First Flight : Ch. 1 to 8
Footprints	without Feet : Ch.1 to 7
Pre-Board-	-1 29.11.2023 to 08.12.2023
Reading	: Unseen Comprehensions
Writing ski	IIs : Formal Letters
_	Analytical Paragraph
Grammar	: Integrated Grammar, Editing,
	Omission, Jumbled Sentences,
	Fill ups
Literature	: First Flight : Ch. 1 to 11
Footprints	without Feet : Ch.1 to 10
Pre-Board	-2 09.01.2024 to 20.01.2024
Reading	: Unseen Comprehensions
Writing ski	IIs : Formal Letters,
•	Analytical Paragraph
Grammar	: Integrated Grammar, Editing,
	Omission, Jumbled Sentences,
	Fill ups
Literature	: First Flight: Ch. 1 to 11
Footprints	without Feet : Ch. 1to 10
Deleted ch	apters from Literatute - First Flight :
Unit-5 The	Hundred Dresses-I,
Poem-Anim	nais by vvait vvnitman
	without Feet-Ch-8 The Hack Driver

(7)

हिन्दी प्रस्तावित पुस्तकें : 1. स्पर्श गद्य∕काव्य भाग-2 (एन.सी.ई.आर.टी) 2. संचयन भाग-2 (एन.सी.ई.आर.टी) हिन्दी भाषा-शिक्षण के उद्देश्य : मानव समाज को विधाता की और से जो सबसे बड़ा वरदान मिला है, वह है भाषा । बिना भाषा माध्यम के हम इतने सुंदर उच्चकोटि साहित्य के सृजन में असमर्थ हैं । मानव किसी ना किसी भाषा को तो स्वतः अनुकरण द्वारा सीख ही जाता है, परन्तु भाषा का लेखन व उसके उच्चस् वरूपक ाज्ञ ानउ सेस प्रयासक रनाप ड़ताह [®] । भारतेन्दु हरिश्चंद्र का कहना है - 'निज भाषा उन्नति अहै, सब उन्नति को मूल । बिन निज भाषा ज्ञान के मिटै न हिय को सूल' ॥ हिन्दी भारत की राज भाषा है । भारतीय होने के नाते अपनी राज भाषा का ज्ञान हम सबको होना ही चाहिए । भाषा के सही ज्ञान द्वारा ही हम अपने मन के भावों को प्रकट करने में सक्षम हो सकते हैं । हिन्दी भाषा शिक्षण के चार कौशल श्रवण कौशल, पाठन कौशल, वाचन	 तैयार करना जो समाज, देश तथा विश्व की प्रगति में अपना अभूतपूर्व योगदान दे सकें । Unit 1 01.03.2023 to 31.03.2023 (20) स्पर्श गद्यः : पाठः 1 बड़े भाई साहब स्पर्श काव्यः : पाठः 1 बड़े भाई साहब स्पर्श काव्यः : पाठः 1 साखी कबीर व्याकरणः : पाठः शब्द, पद, मुहावरे रचनात्मकः : अनुच्छेद लेखन, पत्र लेखन, सूचना लेखन । गतिविधिः : 1. दोहा गायन, कबीर के मुख्य बिन्दुओं की चर्चा करना व लिखना । 2. वर्तमान शिक्षा प्रणाली पर अपने विचार व्यक्त कीजिए व प्राचीन शिक्षा प्रणाली में अंतर दर्शाइए । अधिगम के प्रतिफल : 1. छात्र व छात्राओं में नैतिक मूल्यों का विकास, एकता प्रेम, जाति-पाति के प्रति सद्भावना, अंधविश्वास व भ्रमों से दूर रहना, सकारात्मक सोच का विकास, ईश्वर के प्रति अंर्तमुखी आस्था का विकास हुआ । 2. घर के प्रति जिम्मेदारी उत्तरदायित्व तथा बदों के 	Unit 2 01.04.2023 to 21.04.2023 (13) स्पर्श गद्यः : पाठः 2. डायरी का एक पन्ना स्पर्श काव्यः : पाठः 1 साखी कबीर व्याकरणः : पाठः वाक्य-रचना, मुहावरे, पदबंध संचयन : पाठः 1 हरिहर काका रचनात्मकः : पत्र लेखन, विज्ञापन लेखन, अपठित गद्यांश । गतिविधिः : 1. बड़े-बुजुर्गों को अपने साथ रखने व उनकी देखभाल तथा आदर भाव के प्रति युवा-पीढ़ी को प्रेरित करने के लिए हृदय स्पर्शी नाटक तैयार करना । 2. सामाजिक समस्याओं पर युवा पीढ़ी पर लेखनकार्य करवाना, तथा युवा पीढ़ी को देश की समस्याओं के प्रति जागरूक करना । 3. विद्यार्थियों को वृद्ध आश्रम का भ्रमण करवाना अधिगम के प्रतिफल : 1. छात्र /छात्राओं ने वृद्ध आश्रम जाकर जाना कि भारत में कितने प्रतिशत वृद्धजन किस कारण से वृद्ध आश्रम में रहने को मज़बूर हैं ।
हिन्दी भारत की राज भाषा है। भारतीय होने के नाते अपनी राज भाषा का ज्ञान हम सबको होना ही चाहिए। भाषा के सही ज्ञान द्वारा ही हम अपने मन के भावों को प्रकट करने में सक्षम हो सकते हैं। हिन्दी भाषा शिक्षण के चार कौशल श्रवण कौशल, पाठन कौशल, वाचन कौशल एवं लेखन कौशल है। इन सभी कौशलों का प्रयोग हिंदी शिक्षणम ें वाक्शयकहै। अ तःछात्रोंम भावाभिव्यक्ति का कौशल भरना, शुद्ध व साहित्यिक भाषा का प्रयोग सिखाना तथा इसी भाषा के माध्यम से छात्रों को राजनैतिक, साहित्यिक, सामाजिक व समसामयिक विषयों की जानकारी देकर ऐसा युवा वर्ग	 एकता प्रेम, जाति-पाति के प्रति सद्भावना, अंधविश्वास व भ्रमों से दूर रहना, सकारात्मक सोच का विकास, ईश्वर के प्रति अंर्तमुखी आस्था का विकास हुआ । घर के प्रति जिम्मेदारी, उत्तरदायित्व तथा बड़ों के प्रति आदर भावना का विकास, पढ़ाई व खेल के बीच समय का संतुलन करना, समय का महत्तव समझना, शिक्षा को खेल-खेल में रूचिपूर्वक पढ़ने के लिए प्रेरित हुए । प्रत्येक कार्य की नींव मज़बूत करना । समाज के व्यावहारिक मूल्यों पर बल देना । 	 विद्यार्थियों को वृद्ध आश्रम का भ्रमण करवाना अधिगम के प्रतिफल : छात्र/छात्राओं ने वृद्ध आश्रम जाकर जाना कि भारत में कितने प्रतिशत वृद्धजन किस कारण से वृद्ध आश्रम में रहने को मज़बूर हैं । भारतीय कला-संस्कृति-सभ्यता के प्रति विदयार्थी जागरूक हुए । Unit 3 24.04.2023 to 06.05.2023 (11) स्पर्श काव्यः : 2 मीरा के पद संचयन : पाठ: 1 हरिहर काका व्याकरणः : पाठ: समास, पदबंध

		CLASS X
संचयन ः पाठः पुनरावृत्ति	अधिगम के प्रतिफल :	व्याकरणः : पुनराभ्यास
रचनात्मकः : पुनरावृत्ति	1. मंचीय कार्यक्रम हेतु विद्यार्थियों में वाकपटुता	संचयन ः पाठ २ सपनों के से दिन
गतिविधिः ः	का विकास व आत्मविश्वास उत्पन्न हुआ ।	रचनात्मकः : पत्र लेखन, लघु कथा लेखन,
1. सूरदास के कोई दो पद कंठस्थ कीजिए और चित्र	2. भारतीय लोक-कथा, लोक-गीत व लोक-नृत्य	अनुच्छेद लेखन, सूचना लेखन
चिपकाइए, कक्षा में गायन शैली में प्रस्तुत कीजिए।	के प्रति जानकारी बढ़ी ।	गतिविधि :
2. मीराबाई जी का जन्म स्थान गूगल मानचित्र में	3. अभिनय व प्रभावपूर्ण शैली में बोलने की कला	1. इतिहास से संबंधित महान व्यक्तित्व के स्वामी रहे
दर्शाइए ।	विकसित होगी । चित्र खींचने की कला में	परोपकारी व्यक्तियों के बारे में पढ़कर कक्षा में
3. पदों का गायन कर यूट्यूब चैनल पर अपनी	निपुणता ।	सामूहिक चर्चा कीजिए ।
गतिविधियों को दर्शाइए ।	Unit 5 22.05.2023 to 31.05.2023 (08)	2. पढ़े हुए पाठों के सार याद कीजिए व महत्तवपूर्ण
अधिगम के प्रतिफल :	स्पर्श काव्यः : पाठ 5 पर्वत प्रदेश में पावस	पंक्तियाँ याद कीजिए ।
1. पढ़ाईक`स ाथ-साथस ंगीतक`प>तिरू चिउ त्पन्न	व्याकरणः : पुनराभ्यास, विज्ञापन लेखन	3. महान व्यक्तियों के प्रेरक प्रसंग पढ़िए व किसी एक
हुई ।	संचयन ः पाठः सपनों के से दिन	के बारे में कक्षा में सामूहिक चर्चा कीजिए ।
2. भक्ति काल के अनेक कवियों के बारे जाना ।	रचनात्मक: : पुनराभ्यास, विज्ञापन लेखन	4. अपने बचपन की कोई सीख देने वाली बात कक्षा
3. सूरदास के पदों के बारे में जानने की जिज्ञासा	गतिविधिः :	में बताइए ।
उत्पन्न हुई ।	1. 'मेरी पर्वतीय यात्रा' कक्षा में अपना अनुभव सुनाइए	अधिगम के प्रतिफल :
4. घर में वृद्ध जनों की सेवा करना व सम्मान करना	2. पहाड़ी इलाके का भ्रमण कीजिए व दर्शनीय	1. वर्तमान समय में दूसरों के प्रति संवेदनशीलता,
सीखा ।	स्थल की तस्वीरें खींचकर लगाइए । ए आइ टूॅल्स	दुख-सुख समझने की अनुभूति उत्पन्न हुई ।
Unit 4 08.05.2023 to 19.05.2023 (10)	के माध्यम से पहाड़ी इलाके दिखाइए ।	2. पुस्तकालय व महापुरुषों की पुस्तकों के प्रति व
स्पर्श गद्यः : पाठः 3 तॅतारा वामीरो	अधिगम के प्रतिफल : विश्वजाल की सहायता से बच्चे	परोपकार करने के प्रति आदर्श भावना विकसित
व्याकरणः : समास, पद-बंध, वाक्य रचना	पर्वतीय-यात्रा में जाने वाले पर्वतारोहियों की सूची	हुई ।
संचयन ः पाठः हरिहर काका	बनाई, जिससे उन्होंने शोधकार्य करने की क्षमता	3. प्रेरक-प्रसंगों का संकलन करना । व्यक्तिगत व
रचनात्मक : पत्र लेखन, ईमेल लेखन, सूचना लेखन	विकसित हुई ।	महत्तवपूर्ण वस्तुओं को सहेजना सीखा ।
गतिविधि : कोई दो लोक-कथाएँ चित्र सहित कॉमिक्स	Unit 6 30.06.2023 to 15.07.2023 (13)	Unit 7 17.07.2023 to 28.07.2023 (10)
के रूप में बनाइए । गूगल पर अपनी मनपसंद	स्पर्श गद्यः : पाठः 6 अब कहाँ दूसरों के दुख से	स्पंश गर्द्यः : पाठः ७ पतझरं म टूटा पात्तया
लोक-कथा को सुनकर एनिमेश (कार्टून) के माध्यम से	दुखी होने वाले	स्पश काव्यः : मनुष्यता
काल्पनिक रूप दीजिए ।	स्पर्श काव्यः : मनुष्यता	पराक्षा हतु पुनराभ्यास

गतिविधि : महात्मा बुद्ध, वीर कर्ण, सरस्वती देवी	3. पंजाबी साहित्यकारों व लेखकों के विषय में सचित्र	कीजिए ।
के बारे में जानकारी एकत्रित कर उत्तर-पुस्तिका में	परियोजना बनाइए ।	3. हक़ीकत फ़िल्म देखकर अपनी प्रतिक्रिया व्यक्त
सचित्र चिपकाइए । श्रवण कौशल परीक्षा ।	4. गाँधी जी के किस आदर्श से आप अधिक प्रभावित	कीजिए ।
अधिगम के प्रतिफल :	हैं ? और क्यों ?	अधिगम के प्रतिफल : जीवन में निडर, साहसी,
1. अपने मनपसंद आदर्श व्यक्तियों की पी.पी.टी.	अधिगम के प्रतिफल :	स्वावलंबी बनने की प्रतिभा का जन्म लेना ।
 अपने मनपसंद आदर्श व्यक्तियों की पी.पी.टी. बनाई जिससे उनके अंदर बौद्धिक व काल्पनिक शक्ति का विकास हुआ । कोलार्ज बनाने के लिए रचनात्मक प्रतिभा का विकास हुआ । ध्यानपूर्वक सुनने की क्षमता का विकास, एकाग्रता की भावना का विकास । Unit 8 & Rev. 31.07.2023 to 11.08.2023 (11) स्पर्श गद्य: : पाठ: 7 पतझर में टूटी पत्तियाँ स्पर्श गदय: : मनुष्यता व्याकरण: : मुहावरे, पुनराभ्यास संचयन : पाठ 2 सपनों के से दिन पुनरावृति संचयन : पाठ 1, 2 पुनरावृति रचनात्मक: : पत्र लेखन, विज्ञापन लेखन, सूचना लेखन, ईमेल लेखन परीक्षा हेतु पुनराभ्यास गतिविधि : महात्मा गाँधी के जीवन से संबंधित किसी एकांकी 	अधिगम के प्रतिफल : 1. लेखन, वाचन, आपसी सहयोग, प्रेम, एकता की भावना विकसित हुई । 2. विभिन्न भाषाओं के प्रति प्रेम व उनके बारे में जानने की इच्छा उत्पन्न हुई । 3. मनपसंद लेखक के बारे में जानने की उत्सुकुता से शब्द भंडार समृद्ध हुआ । 4. अपनी प्रतिदिन की दिनचर्या लिखिए-अपनी बचपन की फोटो के साथ अपने सुखद अनुभवों के आभास से सुखद व दुखद अनुभूति अनुभव करने की क्षमता का विकास । Unit 9 28.08.2023 to 16.09.2023 (14) स्पर्श गद्यः : पाठ: 8 कारतूस, पाठ पुनरावृत्ति स्पर्श काव्यः : कर चले हम फिदा, पाठ पुनरावृत्ति याकरणः : समास, मुहावरे, वाक्य रचना, पाठ पुनरावृत्ति संचयन : पाठ: पुनरावृत्ति रचनात्मक: : पुनरावृत्ति गतिविधिः	स्वावलंबी बनने की प्रतिभा का जन्म लेना । Unit 10 18.09.2023 to 30.09.2023 (10) संचयन : पाठ 3 टोपी शुक्ला रचनात्मक: : अनुच्छेद लेखन, सूचना लेखन, पत्र लेखन, लघु कथा लेखन, इमेल लेखन । क्रियाकलाप : 1. 'मज़हब नहीं सिखाता आपस में बैर रखना' विषय पर वाद-विवाद प्रतियोगिता आयोजित कीजिए । 2. किसी ऐसी घटना का वर्णन करें, जिसमें गहन संकट के समय छात्र ने अपनी बुद्धि∕शक्ति से संकट की घड़ी को दूर किया हो । 'किशोरावस्था की मित्रता के प्रति माता-पिता का दृष्टिकोण' पर अपने विचार लिखिए । अधिगम के प्रतिफल : 1. मित्र के गुणों को अनुभव करना, आपसी विचारों का तालमेल की कला का समायोजन का विकास 2. रचनात्मक लेखन द्वारा अपनी विचारधारा को प्रस्तुत करने की क्षमता का विकास ।
का मंचन कीजिए । 2. जापानियों के लोक-व्यवहार को उजागर करने वाले किसी प्रसंग पर मूक अभिनय कीजिए ।	1. सूचना लेखन, परोपकारी व्यक्तियों के नाम, अंतोन चेखव के नाटकों का नाटकीकरण 2. रोबिनहुड के कारनामे पढ़कर वजीर अली से तुलना	 उ. इश्वर स संच्या प्राथना करना साखा 1 निस्वाथ भाव से भक्ति करना सीखा । Unit 11 03.10.2023 to 13.10.2023 (10) स्पर्श गद्य: : पाठ: 7 पतझर में टूटी पत्तियाँ

पुनरावृति	अधिगम के प्रतिफल :	अपठित गद्यांश, सूचना लेखन, पत्र
व्याकरण : मुहावरे	1. देशभक्ति की भावना का विकास ।	लेखन ।
संचयन ः पाठ २ सपनों के से दिन पुनरावृति	2. ईश्वर की सच्ची प्रार्थना को समझने अपनी बात को	पाठनः ः अपठित गद्यांश
रचनात्मकः : अनुच्छेद लेखन, विज्ञापन लेखन ।	दूसरों से कहने में सक्षम होना ।	गतिविधिः ः
गतिविधि : नवरस के बारे में जानकर एक-एक	3. अपने अधिकार के लिए लड़ने का साहस उत्पन्न	1. देश प्रेम पर चर्चा ।
काव्यांश सभी रसों से संबंधित लिखिए ।	होना ।	2. प्रेमचन्द की एक अन्य कहानी पढ़कर उसका
अधिगम के प्रतिफल :	4. सच्चे मित्र की परख करने की क्षमता का विकास।	सारांश लिखिए व कक्षा में सुनाइए ।
1. स्वरचित कविता निर्माण से अंतर्मुखी प्रतिभा	EXAMINATION SCHEDULE :	Half Yearly Exams 14.08.2023 to 25.08.2023
का विकास ।	Periodic Asst-1 01.05.2023 to 08.05.2023	स्पर्श गद्य : पाठ: 1, 2, 3, 4, 5
2. अन्य कवियों के दोहों को पढ़कर दोहों की	स्पर्श गद्यः : पाठः 1, 2	स्पर्श काव्यः : पाठ 1, 2, 3, 4, 5
समीक्षा करने की कला में निपुणता उत्पन्न करना ।	स्पर्श काव्यः : पाठ 1	व्याकरणः : मुहावरे शब्द और पद में अंतर,
3. बोलने की कला में निपुणता का गुण उत्पन्न होना ।	व्याकरणः : मुहावरे शब्द और पद में अंतर,	वाक्य रचना, समास, पदबंध
Unit 12 & Rev. 16.10.2023 to 31.10.2023 (10)	विज्ञापन लेखन	संचयन : पाठ 1
स्पर्श गद्यः : पाठः ८. कारतूस	संचयन : पाठ 1	रचनात्मकः : अनुच्छेद लेखन, लघु कथा लेखन,
स्पर्श काव्यः : कर चले हम फिदा, आत्मत्राण	रचनात्मकः : सूचना लेखन, ईमेल लेखन, अपठित	विज्ञापन लेखन, अपठित गद्यांश,
व्याकरणः ः विज्ञापन लेखन, लघु कथा लेखन	काव्यांश, अपठित गद्यांश, पत्र लेखन	सूचना लेखन, ईमेल लेखन ।
संचयन ः पाठ 3. टोपी शुक्ला	गतिविधिः ः दोहा गायन् ।	Pre-Board-1 29.11.2023 to 08.12.2023
रचनात्मक: : अनुच्छेद लेखन, सूचना लेखन,	Periodic Asst-2 15.07.2023 to 21.07.2023	पाठ्यक्रम : सपूर्ण पाठ्यक्रम Dra Daard 0,00,04,0004,45,00,04,0004
पत्र लेखन <i>,</i> ईमेल लेखन	स्पर्श गद्यः : पाठः 3, 4, 5, 6	Pre-Board-2 09.01.2024 to 20.01.2024
गतिविधि :	स्पर्श काव्यः : पाठ-पर्वत प्रदेश में पावस, तोप,	
1. भक्ति पद कक्षा में गाकर सुनाइए।	मनुष्यता	MATHEMATICS
2. प्रेरक प्रसंग एकत्रित कीजिए ।	व्याकरणः : वाक्य रचना, समास	
3. श्रवण कौशल परीक्षा	संचयन : पाठ 1	Prescribed Books : Publication :
4. साहसी वीरों की सूची बनाइए, जिन्होने अंग्रेजी	रचनात्मक: : अनच्छेद लेखन, लघ कथा लेखन,	Teaching Objective of School Mathematics :
सरकार के सामने घुटने नहीं टेके ।	विज्ञापन लेखन, अपठित काव्यांश,	The broad objective of teaching of Mathematics at secondary stage is to help the learners to :

 ions in ing angles are equal, their corresponding sides are proportional and the triangles are similar. 4. (Motivate) If the corresponding sides of two triangles are proportional, their corresponding angles are equal and the two triangles are similar. 5. (Motivate) If one angle of a triangle is equal to one angle of another triangle and the sides including these angles are proportional, the two triangles are similar.
 ethod. similar. 4. (Motivate) If the corresponding sides of two triangles are proportional, their corresponding angles are equal and the two triangles are similar. 5. (Motivate) If one angle of a triangle is equal to one angle of another triangle and the sides including these angles are proportional, the two triangles are similar.
5. (Motivate) If one angle of a triangle is equal to one angle of another triangle and the sides including these angles are proportional, the two triangles are similar
e the one angle of another triangle and the sides including these angles are proportional, the two triangles are similar
ons of including these angles are proportional, the two triangles are similar
 (13) Learning Outcomes : To establish properties for similarity of two triangles logically using different geometric criteria established earlier such as.
rem of Basic Proportionality Theorem, etc.
done Art Integration/Lab Activity : To verify the
Irough midpoint theorem. ecimal Unit 4 08.05.2023 to 19.05.2023 (10) rms of Topic : Ch-15 : Statistics
mals. Mean, median and mode of grouped data
(bimodal situation to be avoided).
side of des inLearning Outcomes : To calculate mean, median and mode for different sets of data related with real
livided life contexts.
s of a allel toTopic: Ch-15 : Statistics (Contd) Cumulative frequency graph.Unit 630.06.2023 to 15.07.2023 (13)Topic: Ch 7: Coordinate Geometry Review : Concepts of coordinate geometry,
ran soli sa nttint

 the coordinates of a point between any two given points, to find the area of a triangle, etc. Topic : Ch15 : Probability Classical definition of probability. Simple problems on finding the probability of an event. Learning Outcomes : To determine the probability of an event and applies the concept in solving daily life problems. Art Integration/Lab Activity : 1. To find the mid-point of a line segment and the perpendicular bisector of a line segment by using paper folding. 2. To obtain the mirror image of a given geometrical figure with respect to x-axis and y-axis. Unit 7 17.07.2023 to 28.07.2023 (10) Topic : Ch-8 : Introduction to Trigonometry Trigonometric ratios of an acute angle of a right-angled triangle. Proof of their existence (well defined); 1. Motivate the ratios whichever are defined at 0° and 90°. Values of the trigonometric ratios of 30°, 45° and 60°. Relationships between the ratios. 2. TRIGONOMETRIC IDENTITIES : Proof and applications of the identity sin²A + cos²A = 1 Only simple identities to be given. Trigonometric ratios of complementary angles. Learning Outcomes : To determine all trigonometric ratios with respect to a given acute angle (of a right triangle) Topic : Ch-9 : Applications to Trigonometry 	triangles. Angles of elevation / depression should be only 30°, 45°, and 60°. Learning Outcomes : To use all trigonometric ratios in solving problems in daily life contexts like finding heights of different structures or distance from them. Art Integration/Lab Activity : To prepare a clinometer and use it to measure the height of an object. (say a lamp post) Unit 8 & Rev. 31.07.2023 to 11.08.2023 (11) Topic : Ch-12 : Areas related to Circles Motivate the area of a circle; area of sectors and segments of a circle. Problems based on areas and perimeter / circumference of the above said plane figures. (In calculating area of segment of a circle, problems should be restricted to central angle of 60°, 90° and 120° only. Plane figures involving triangles, simple quadrilaterals and circle should be taken.) Learning Outcomes : To derive proofs of theorems related to the tangents of circles. Topic : Chap 4: Quadratic Equations Standard form of a quadratic equation ax ² + bx + c = 0, (a 0). Solutions of quadratic equations (only real roots) by factorization and by using quadratic formula. Relationship between discriminant and nature of roots. Situational problems based on quadratic equations related to day to day activities to be incorporated. Learning Outcomes : To demonstrate strategies of finding roots and determining the nature of roots of a quadratic equation. Art Integration/Lab Activity : To verify that the lengths of the tangents drawn from an external point to a circle are equal. Unit 0 = 0.00000000000000000000000000000000	 Motivation for studying Arithmetic Progression Derivation of the nth term and sum of the first n terms of A.P. and their application in solving daily life problems. Learning Outcomes : To develop stategies to apply the concept of A.P. to daily life situations. Topic : Ch-10 : Circles : Part of a circle Learning Outcomes : To differentiate between different parts of circle, understand and classify them. Art Integration/Lab Activity : To verify using a graphical method that a given sequence of numbers is an arithmetic progression. Unit 10 18.09.2023 to 30.09.2023 (10) Topic : Ch : Surface Area & Volume 1. Surface areas and volumes of combinations of any two of the following: cubes, cuboids, spheres, hemispheres and right circular cylinders/cones. Frustum of a cone. 2. Problems involving converting one type of metallic solid into another and other mixed problems. (Problems with combination of not more than two different solids be taken). Learning Outcomes : To find surface areas and volume of objects in the surroundings by visualising them as a combination of different solids like cylinder and a cone, cylinder and a hemisphere, combination of different cubes, etc. Art Integration/Lab Activity : To demonstrate a method to derive a formula for finding the volume of a right-circular cone. Unit 11 03.10.2023 to 13.10.2023 (10) Topic : Ch : Surface Area & Volume (contd.) Ch-11 : Constructions
Trigonometry Angle of elevation, Angle of Depression. Periods Simple problems on heights and distances Problems should not involve more than two right	point to a circle are equal.Unit 928.08.2023 to 16.09.2023Topic: Ch-5 : Arithmetic Progressions	Ch-11 : Constructions Learning Outcomes : Construction of tangents on a circle.

Unit 12 & Rev. 16.10.2023 to 31.10.2023 (10) Topic : Revision EXAMINATION SCHEDULE : Periodic Asst-1 01.05.2023 to 08.05.2023 Topic : Ch-2 and 3 Periodic Asst-2 15.07.2023 to 21.07.2023 Topic : Ch-1, 6 and 15 Half Yearly Exams 14.08.2023 to 25.08.2023 Topic : Ch-1, 2, 3, 4, 6, 8, 9, and 11 Pre-Board-1 29.11.2023 to 08.12.2023 Topic : Whole Syllabus Pre-Board-2 09.01.2024 to 20.01.2024 Topic : Whole Syllabus	 to enable students to analyze and evaluate and present information understand concepts such as principles of Optics, Electricity and Magnetism and Perform experiments based on them demonstrate values imbibed by them through the topic to make students understand applications of basic scientific principle to solve problems related to daily life. PHYSICS Prescribed Book : Science Text Book (NCERT) Unit 1 01.03.2023 to 31.03.2023 (20)	obtaining image formed by spherical mirrors. • Draw ray diagrams to show formation of image by concave and convex mirror. • Study the formation of image by a concave mirror and a convex mirror for different positions of objects • Experimentally find focal length of a concave mirror by focussing the image of a distant object. Unit 2 01.04.2023 to 21.04.2023 (13) Chapter : Ch-10 Light Reflection and Refraction Topic : Image formation by convex mirror, applications of spherical mirrors Art Integration : Image formation by convex mirror Learning Outcomes : Investigate the uses of
 Prescribed Book : Science Text Book (NCERT) General Objectives : To develop understanding of some basic principles and laws of science. To familiarize the learners with life processes, health and wellness, nutrition and human diseases. To provide scientific and technological literacy to the learners. To understand the processes that underline scientific principles. To make learners capable of applying basic scientific principles. To develop problem solving and decision making skills. To develop an attitude which would equip them to continue science and technology education throughout life. Specific Objectives : To enable students to : explore surroundings and self record observations and draw inference 	 Chapter : Ch-10 Light Reflection and Refraction Topic : Rays, converging, diverging, Reflection, Diffraction, characterstics of Image formed by plane mirror, Standard Incident rays, Image formation by concave mirror, Standard Incident rays for convex mirror. Art Integration : Drawing diagram showing reflection drawing ray diagram image formation by conclave mirror Learning Outcomes : Identify light as a form of energy that affects sight • Distinguish between ray and beam • List types of beam • Conceptualize the term reflection of light and laws of reflection • Analyse image formation in plane mirror and name the characteristics of this image • Distinguish between real & virtual image. Comprehend the term spherical mirrors, identify their types and define the terms—pole, apertune, focus principal axis, centre of curvature, radius of curvature focal length. • Discover rules for 	plane mirrors, concave mirrors and convex mirrors in our day-to-day life, with the help of activity • Analyse that as they see an ambulance coming on the road, should immediately give the way so that the patient inside can reach hospital at earliest. Unit 3 24.04.2023 to 06.05.2023 (11) Chapter : Ch-10 Light Reflection and Refraction Topic : Mirror formula, Magnification formula, Numerical practice Learning Outcomes : Conceptualize sign conventions and apply to solve numericals • Comprehend mirror formula • Solve numerical problems using above relations Unit 4 08.05.2023 to 19.05.2023 (10) Chapter : Ch-10 Light Reflection and Refraction Topic : Refraction-cause, Laws of refraction, Refraction through a glass slab Art Integration : Diagram-refraction through a

glass slab drawing ray diagrams for image formation by lens

Learning Outcomes : Classify optical medium as a rarer or a denser medium. • Comprehend definition of refraction of light and represent it diagrammatically • Evolve laws of refraction of light, verify them experimentally Analyse the reason behind everyday phenomena using knowledge of refraction of light

Unit 522.05.2023 to 31.05.2023(08)Chapter: Ch-10 Light Reflection and
Refraction

Sub-Topic : Refractive Index, Numerical problems based on refractive index

Art Integration : Diagram of eye Ray, Diagram of defects & correction

Learning Outcomes : Awareness about refractive index and speed of light in different medium. Apply the knowledge to solve problems based on RI ning outcome Skill

- Unit 6 30.06.2023 to 15.07.2023 (13) Chapter : Ch-10 Light Reflection and Refraction Ch-11 Human Eye and Col World Ch-14 Sources of Energy
- Topic: Lens, Lens Formula, Power
Human Eye-Structure and
Function, Defects of Vision,
Refraction of Light through prismArt Integration : Discussion of applications of

Scattering

Learning Outcome : Develop definition of a lens • Identify types of lens • Study the image formed by lenses • Experimentally find the focal length of convex lens by focussing the image of a distant object • Comprehend the lens formula and

magnification formula • Solve numerical problems • Develop meaning of power of lens, state and define its unit • Investigate the uses of lenses in our day-to-day life. • Sketch various parts of the eve and understand their functions and correlate it to everyday situations. • Develop the meaning of term accommodation as the ability to see nearby and distant objects • Explain the terms – far point, near point, least distance of distinct vision • Draw the shape of the prism and define angle of prism. Unit 7 17.07.2023 to 28.07.2023 (10) Chapter : Ch-11 Human Eye and Col World Ch-14 Sources of Energy **Sub-Topic :** Atmospheric refraction and its applications, Scattering of Light, Applications of scattering Art Integration : Group discussion Learning Outcomes : Trace the path of a ray of light through a glass prism • Develop meaning of angle of deviation • Comprehend the term dispersion of light • Develop the meaning of spectrum & name its colours • Deduce the cause of dispersion Illustrate that white light is composed of seven colours . Recall recombination of spectrum colours into white light • Logically analyse the reason for the formation of rainbow. • Discover that atmosphere consists of layers of air having different densities. • Develop the meaning of atmospheric refraction • Justify how stars appear to twinkle but planets do not twinkle. • Deduce the reason for apparent position of star due to refraction • Understand the reason for advanced sunrise and sunset • Develop concept of scattering of light and Tyndall Effect • Infer that the colour of Scatterred light depends on the size of particles • Reason out the blue colour of the sky & red colour of sun at sunrise • Observe the scattering of blue light by colloidal solution Unit 8 & Rev. 31.07.2023 to 11.08.2023 (11) Chapter : Ch 12 Electricity Topic : Current, Potential Difference, OHM's Law Art Integration : Drawing Circuit Diagram Learning Outcomes : Identify charge as a fundamental quantity . Develop meaning of electric current and its unit, electric potential, potential difference and their units. • Evolve Ohm's law and express it mathematically • Verify Ohm's law experimentally . Develop meaning of resistance using Ohm's law Unit 9 28.08.2023 to 16.09.2023 (14) : Ch-12 Electricity Chapter : Resistance, factors affecting Topic resistance, resistivity, combination of resistance Art Integration : Drawing circuit diagram of combination of resistors Learning Outcomes: List the factors which affect resistance. • Explain resistivity, Conductors, resistors & insulators • Experimentally determine the factors affecting resistance · Calculate effective resistance in series and in parallel combination • Experimentally verify the laws of resistances in series and in parallel. Unit 10 18.09.2023 to 30.09.2023 (10) : Ch-12 Electricity Chapter Topic : Heating Effect of Current, Application of Heating Effect, Power, Relation between P, V, I, R Learning Outcomes : Analyse the uses of conductors, resisters and insulators. • Observe that heat is produced due to flow of current • State Joule's law and express it mathematically . Recognise application of commercial unit of energy in our daily life • Infer that appliances of higher power consume more energy. So to save energy, use of high power appliances should be minimized • Discover applications of heating effect of electric current like fuse, heaters. • Solve numerical problems

Unit 1103.10.2023 to 13.10.2023(10)Chapter: Ch-13 Magnetic Effect of CurrentTopic: Oersted's Experiment, Magnetic

Field Lines, DC Motor

Art Integration : Drawing magnetic field lines, construction of DC motor

Learning Outcomes : Recall magnets and list their important properties • Conceptualize magnetic field lines and list their properties. • Experimentally trace magnetic lines of force • Discover magnetic effect of current with the help of electromagnets. • Interpret construction of Solenoid & electro-magnet and their uses • Comprehend and apply right hand thumb rule to find the direction of magnetic field • Experimentally study the force acting on a current carrying conductor. • Comprehend and apply Fleming's Left hand rule for finding direction of force on a current carrying conductor.

Unit 12 & Rev. 16.10.2023 to 31.10.2023 (10)

Chapter : Ch-13 Magnetic Effect of Current

Topic : Electromagnetic Induction, Generator. Domestic Circuit

Art Integration : Construction of AC Generator Learning Outcomes : Observe experimentally electromagnetic induction. • Comprehend induced current, state Fleming's Right hand rule and apply it to find direction of induced current EXAMINATION SCHEDULE :

Periodic Asst-1 01.05.2023 to 08.05.2023

Topic: Ch-10 Light Reflection and
Refraction

Periodic As	st-2 15.07.2023 to 21.07.2023
Торіс	Ch-10 Light Reflection and
	Refraction
Half Yearly	Exams 14.08.2023 to 25.08.2023
Торіс	: Ch-10 and 11
Pre-Board-1	29.11.2023 to 08.12.2023
Торіс	Complete Syllabus
Pre-Board-2	09.01.2024 to 20.01.2024
Торіс	Complete Syllabus

CHEMISTRY

Prescribed Book : Science Text Book (NCERT) Unit 1 01.03.2023 to 31.03.2023 (20)			
Chapter	: Ch-1 : Chemical reactions and equations		
Topics	: Introduction, Balancing of chemical equations, Characterstics of chemical equations, Types of chemical reactions, Oxidation, Bancidity		
Art Integra	tion : Drawing mind map for types of		
Chemical R	Peactions		
Leerning	Outcomes i llos of acientific		
convention quantities, such as, b	s to represent units of various symbols, formulae, and equations, alanced chemical equation by using		
Unit 2	01.04.2023 to 21.04.2023 (13)		
Chapter	: Ch-2 : Acids bases and salts		
Topics	: Indicators, Chemical properties of acids and bases		
Art Integration : Collage on effect of oxidation on			
daily life situations			

Learning Outcomes : Calculates using the data given, such as, number of atoms in reactants and products to balance a chemical equation, Identify

Unit 3 24.04.2023 to 06.05.2023 (11)
Chapter : Ch-2 : Acids bases and salts
Topics : ph and its Importance
Art Integration : Flow chart on different types of
Indicators
Learning Outcomes : Classifies materials,
objects, organisms, phenomena, and processes,
based on properties and characteristics, such as,
acid and bases on the basis of their physical and
chemical properties differentiates bases, acidic,
and neutral salts using different indicators
Unit 4 08.05.2023 to 19.05.2023 (10)
Chapter : Ch-2 : Acids bases and salts
Topic : Some important chemical
compounds
Art Integration : Drawing of ph scale.
Learning Outcomes : relates processes and

different factors that cause oxidation

Learning Outcomes : relates processes and phenomena with causes and effects, such as tooth decay with pH of saliva, growth of plants with pH of the soil, survival of aquatic life with pH water, handles tools and laboratory apparatus properly; measures physical quantities using appropriate apparatus, instruments, and devices, such as, pH of substances using pH paper, applies scientific concepts in daily life and solving problems, applies concept of decomposition reaction of baking soda to make spongy cakes, etc.

Unit 5	22.05.2023 to 31.05.2023	(08)
Chapter	: Ch-3 : Metal and Non Meta	als
		-

Topics : Physical and chemical properties of Metal and Non-metals

Art Integration : Poster on properties of Elements Learning Outcomes : Classifies materials, objects, organisms, phenomena, and processes, based on properties and characteristics, such as, metals and non-metals, on the basis of their physical and chemical properties

Unit 630.06.2023 to 15.07.2023(13)Chapter: Ch-3 : Metal and Non MetalsTopics: Ionic compounds and their propertiesArt Integration : Diagram of bond FormationLearning Outcomes : Understand bond formationUnit 717.07.2023 to 28.07.2023Chapter: Ch-3 : Metal and Non MetalsTopics: Extraction of metals, Aloy,	Topic: Important carbon compoundsArt Integration : Movie making on substance abuseLearning Outcomes : exhibits values of henesty, objectivity, rational thinking, and freedom from myth and superstitious beliefs while taking decisions, respect for life, etc., such as, reports and records experimental data accurately, says no to consumption of alcohol and drugs, sensities others about its effect on physical and mental	Topics: Nurition, Nurtition typesCPD: The presentation and videos ofdigestive organ systems in human, learning theiractivitiesArt Integration: Diagram drawingorgan systems Slide preparation of leaf peel tostudy stomataLearning Outcome: Students will understandthe importance of various organs and theirfunctions.
Corrosion Art Integration : Experiment to test reactivity of different metals Learning Outcomes : Explain processes and phenomena, such as, extraction of metals from ores, displacement of metals from their salt solutions on the basis of reactivity series. Unit 8 & Rev. 31.07.2023 to 11.08.2023 (11) Chapter : Ch-4 : Carbon and its compounds Topics : Covalent bonding, Saturated and unsaturated compounds, Allotropic forms of carbon Art Integration : Covalent bonding, Saturated and unsaturated compounds, Allotropic forms of carbon Learning Outcomes : analyses and interprets data, graphs, and figures, such as, melting and boiling points of substances to differentiate between covalent and ionic compounds. Unit 9 28.08.2023 to 16.09.2023 (14) Chapter : Ch-4 : Carbon and its compounds Topic : Chemical properties of carbon compounds Art Integration : P.P.T. on Chemical Properties Learning Outcomes : Understand different chemical properties of carbon compounds.	health. Unit 11 03.10.2023 to 13.10.2023 (10) Chapter : Ch-4 : Carbon and its compounds Topic : Soaps and detergents Art Integration : PPT Learning Outcomes : Takes initiative to know about scientific discoveries and inventions Unit 12 & Rev. 16.10.2023 to 31.10.2023 (10) Topic : Revision EXAMINATION SCHEDULE : Periodic Asst-1 01.05.2023 to 08.05.2023 Topic : Ch-1 Chemical reactions and equations Periodic Asst-2 15.07.2023 to 21.07.2023 Topic : Ch-2 Acids bases and salt Ch-3 Metals and non metals Half Yearly Exams 14.08.2023 to 25.08.2023 Topic : Ch-1, 2, 3 and 4 Pre-Board-1 29.11.2023 to 08.12.2023 Topic : Ch-1, 2, 3 and 4 Pre-Board-2 09.01.2024 to 20.01.2024 Topic : Ch-1, 2, 3 and 4 Prescribed Book : Science Text Book (NCERT)	 Unit 2 01.04.2023 to 21.04.2023 (13) Chapter : Ch-6 Life processes Topics : Human digestive system, Human Excretory system CPD : The presentation and videos of respiratory and transport system organ systems in human Art Integration : Diagram drawing : human organ systems Learning Outcomes : Students appreciate the efficiency of organ systems and will learn about the methods to keep them healthy Unit 3 24.04.2023 to 06.05.2023 (11) Chapter : Ch-6 Life Processes Topics : Transportation in humans, Structure of heart, double circulation, Single circulation, Lymph, Blood clotting, Excretion CPD : The presentation and videos of transport system organ systems in human Art Integration : Diagram drawing : human organ systems Learning Outcomes : Students appreciate the efficiency of organ systems and will learn about the methods to keep them healthy. Unit 4 08.05.2023 to 19.05.2023 (10)
Unit 10 18.09.2023 to 30.09.2023 (10) Chapter : Ch-4 : Carbon and its compounds	Unit 1 01.03.2023 to 31.03.2023 (20) Chapter : Ch-6 Life Processes	Chapter: Ch-6 Life ProcessesTopics: Transportation in plants

CPD : The presentation and videos of transport system organ systems in PLANTS Art Integration : Diagram Xylem and phloe	Learning Outcomes : Student to apply the knowledge to conserve the delicate balance of ecosystem
Learning Outcomes : Students appreciate the efficiency of organ systems and will learn about the methods to keep them healthy	Unit 8 & Rev. 31.07.2023 to 11.08.2023 (11) Chapter : Ch-8 How do organisms reproduce
Unit 522.05.2023 to 31.05.2023(08)Chapter: Ch-7 Control and CoordinationTopics: Chemical coordination, Endocrineglands, Hormones and their characteristic,Different hormones and their function, PlantcoordinationCPD: Forum discussion and presentation	Topics: Reproduction, Need and types,DNA copying and consequences in case of error inDNA copying, Variation and its importanceCPD: Model making of DNAArt Integration : Slide making of yeastLearning Outcomes : Students to develop an
Art Integration : Preparation of art work to present topic	reasons behind it.
Learning Outcomes : Students to understand the coordination in plants. To differentiate between	Topic : Revision Unit 10 18 09 2023 to 30 09 2023 (11)
plant and animal coordination Unit 6 30.06.2023 to 15.07.2023 (13)	Chapter : Ch-8 How do organisms reproduce
 Chapter : Ch-7 Control and Coordination Topics : Nervous control, Nervous system and its subdivisions, Structure of brain and neuron, Conduction of nerve impulse CPD : Study of brain by model, Activity of knee jerk response Art Integration : Drawing reflex arc, human brain and neuron Learning Outcomes : To recognize the role of various organ systems in our body. Unit 7 17.07.2023 to 28.07.2023 (10) Chapter : Ch-15 Our Environment Topics : Ecosystem, Food chain, Food web, Trophic levels, Energy Flow, Role of decomposers, Bio magnification CPD : Story telling activity of ecosystem and its factors Art Integration : Weaving a story of food web and 	 Topics : Asexual reproduction methods Fission, Budding, Fragmentation, Regeneration, Vegetative propagation CPD : Study of permanent slides to study the methods of reproductions Art Integration : Diagram of various modes of reproduction in roganisms Learning Outcomes : Students will appreciate the diversity in the living world Understanding the different modes of reproduction Unit 11 03.10.2023 to 13.10.2023 (10) Topic : CH 9 Heredity and evolution Topics : Basic terms in genetics, Mendel's monohybrid and dihybrid cross, Sex determination in humans CPD : Pea plant study and observation
food chain	Art Integration : Making and observations

Learning	Outcomes : Students will develop			
observational and calculation skills. They will be				
able to cor	nclude to result			
Unit 12 &	Rev. 16.10.2023 to 31.10.2023 (10)			
Chapter	: Management of Natural Resources			
Topics	: Seminar and report presentation			
	of various topics			
CPD	: Seminar and report presentation of			
	various topics			
Art Integr	ation : Participation in the activity and			
	making relevant points			
Learning	Outcomes : Students will develop an			
understan	ding of the resources and their			
sustainabl	e management			
EXAMINATION SCHEDULE :				
Periodic A	Asst-1 01.05.2023 to 08.05.2023			
Торіс	: Ch-6 Life process			
Periodic Asst-2 15.07.2023 to 21.07.2023				
Торіс	: Ch-6 Life process			
Half Yearly Exams 14.08.2023 to 25.08.2023				
Торіс	: Life processes			
	Conrol and coordination,			
	Our Enviroment			
Pre-Board	I-1 29.11.2023 to 08.12.2023			
Торіс	: Complete Syllabus			
Pre-Board	1-2 09.01.2024 to 20.01.2024			
Торіс	: Complete Syllabus			



General Objective of Social Science :

↔ To bring students closer to one's environment, society and the intricacies of the geographical, social, economic and political processes in order to enable them to understand the process of social change and

Aware about the majoritarian policies of the ♦ analyze how diversities accomodated in the role that they can play towards this Sri Lanka and the case of Belgium. democracies. Learning Objectives of Social Science : Art Integration/Activity : Debate on 'why power Art Integration/Activity : A short video of Mexico Olympics (200 m race) will be shown to students To focus on diverse forces and development sharing is essential in democracy.' that have shaped the history of the Unit 2 01.04.2023 to 21.04.2023 and based on which class discussion will be held (13) Historv : Ch-3 Nationalism in India on social differences exist in different countries. Learning Outcomes : After this student will be Unit 5 22.05.2023 to 31.05.2023 (08) To enable students to understand and able to : Pol. Science : Ch-4 Caste, Religion and Politics appreciate the diversity, the process of • enhance their creativity by reflecting the Ch-5 Popular Struggles and economic and social change, the importance mechanism power sharing between different **Movements** of judicious utilization of resources and the levels of govt. Learning Outcomes : After this student will be urgent need for their conservation as well. • critically think about the advent of nation-state able to : To deal with the central theme of democratic led to the growth of nationalism in Europe. able to understand how diversities on gender, politics emphasizing the role of conflict and • appreciate the concept and practice of caste, religion politicized in democracy. resolution in the expansion and evolution of Student will learn how people are able to bring modern state. necessary change in the society when other Art Integration/Activity : * To illustrate the changing pattern of the important organs of government fail in Making of Timeline chart economy through significant economic Unit 3 24.04.2023 to 06.05.2023 (11) bringing the same. themes and institutions such as poverty, food Art Integration/Activity : : Ch-2 Nationalism in India History security, globalization, money and banking 1. Interactive session on 'Status of women in Learning Outcomes : After this student will be system, and the role of the service sector. able to : India after independence'. To offer students an insight into how they can • understand the contribution of a common 2. Role-play (class will be divided into two handle some of the natural and human-made groups. Each group will prepare the scripts on men in the anticolonial movement in India. disasters that occur during the course of Critically think about how the advent of Movement for democracy in Nepal and Bolivia's Water War respectively and enact Gandhi turn around the political movement in India. in the class) **HISTORY / POLITICAL SIENCE** 30.06.2023 to 15.07.2023 Art Integration/Activity : Unit 6 (13)1. Students will be asked to prepare the Time : Ch-4 The making of a Global World History line Chart on nationalist movement of India Learning Outcomes : After this student will be 1. Political Science : Democratic Politics-II including the important dates and events for able to : **NCERT (Political Science)** the period 1914-1947. ♦ appreciate the concept and practices of 2. History : India and the Contemporary Map Activity (as per CBSE list of map items) trade, colonialism & the global system. World-II NCERT (History) 08.05.2023 to 19.05.2023 Unit 4 (10) • to analyze that human societies were more 01.03.2023 to 31.03.2023 (20) **Pol. Science :** Ch-3 Democracy and Diversity interlinked. Pol. Science : Ch-1 Power Sharing, and Learning Outcomes : After this student will be Art Integration/Activity : Class discussion on Ch-2 Federalism able to : 'implications of Globalization' critically understand and appreciate how Unit 7 17.07.2023 to 28.07.2023 Learning Outcomes : After this student will be (10) diversities are asset in democracies. History : Ch-7 Print. Media & Culture

change.

contemporary world.

democratic principles.

everyday life.

Prescribed Books :

Unit 1

able to :

Learning Outcomes : After this student will be	 critically understand why a democratic govt. is called legitimate & accountable 	conditions of men in different parts of the
able to .	Art Integration (Activity e Interactive accountable.	giobe.
Chically think about now the advent of print modia turn around the political appaciauppage	Art integration/Activity : Interactive session on	2. To enable the pupils to acquire a knowledge of
	Democratic and Non-democratic Form of	natural resources.
Activity in a statistic in the statistic		3. To develop in pupils an understanding of now
Art Integration/Activity :	Unit 11 03.10.2023 to 13.10.2023 (10)	environment and climatic factors have
Chapter based quiz will be conducted.	Pol. Science : Ch-8 Challenges of Politics	influenced our life
Unit 8 & Rev. 31.07.2023 to 11.08.2023 (11)	Learning Outcomes : After this student will be	4. To be able to explain territorial diversity and
History : Ch-7 Print, Media & Culture	able to develop citizenship through understanding	complexity, and the interrelations of natural
Learning Outcomes : After this student will be	the contribution of people in the transition of power	environmental phenomena with economical,
able to :	from non-democratic to democratic.	social and cultural phenomna.
 critically think about how the advent of print 	Unit 12 & Rev. 16.10.2023 to 31.10.2023 (10)	5. To ensure that students are able to act and
media turn around the political consciousness	Topic : Revision will be done for all	take part in the management of territory by
across the globe.	important topics. Sample question	drawing on their training in geography.
Aware learners that the common mass of	papers will be given to be solved	Unit 1 01.03.2023 to 31.03.2023 (20)
people was awakened by the growth of print	and discussed class tests will be	Chapter : Resources and Development
culture.	taken and nattern of questions will	Topics : Concept Development of
Art Integration/Activity :	be discussed	Resources Resources Planning-Resource
• Debate on written form or electronic media for		Planning in India Conservation of Poseuroos
information.	EXAMINATION SCHEDULE .	Flamming in mula, Conservation of Resources,
 Case study on 19th century writers and books 	Periodic Asst-1 01.05.2023 to 08.05.2023	land Resources, Land Utilization, Land Use
Unit 9 28 08 2023 to 16 09 2023 (14)		Pattern in India, Land Degradation and
Pol Science : Ch-6 Political Parties	Periodic Asst-2 15.0/.2023 to 21.0/.2023	Conservation Measures Soil as a Resources -
Learning Outcomes : After this student will be	Topic : Unit-3	Classification of Soils, Soil Erosion and Soil
able to :	Half Yearly Exams 14.08.2023 to 25.08.2023	Conservation 9excluding Box Information on
able to .	Topic : Unit-1 to 6	State of India's on Environment)
Chically understand the fole and functions of	Pre-Board-1 29.11.2023 to 08.12.2023	Learning Outcomes : The most important
political parties in democracy.	Topic : Unit-1 to 12	outcome of learning about Resource Planing nd
differentiate between national & state political	Pre-Board-2 09.01.2024 to 20.01.2024	development is that people can define and
parties.	Topic : Unit-1 to 12	indentify a resource and can make proper plans to
Art Integration/Activity : Role play on different		use it wisely by knowing the importance of
National political parties.	CEOCRAPHY	resource conservation.
Unit 10 18.09.2023 to 30.09.2023 (10)	GLOGKAFIII	Art Integeation : Poster making and slogans and
Pol. Science : Ch-7 Outcomes of Politics		on how to save the environment
Learning Outcomes : After this student will be	Prescribed Book :	$\begin{array}{c} \text{Unit 2} \\ \text{Unit 2} \\ \text{01 04 2023 to 21 04 2023} \\ \end{array} $
able to :	Contemporary India-II (NCERT)	Chapter : Forest and Wildlife
develop creativity by reflecting the	Teaching Objectives :	Tenice - Concentration of format and wildlife
contrasting features of democratic & non-	The main objectives of this syllabus is to :	in India Types and distribution of forest and wildlife
democratic governance.	1. To acquaint the pupils with the living	in mula types and distribution of forests and

 wildlife resources Community and Conservation Learning Outcomes : To understand the importance of Biodiversity. To sensitize children about the decline of forest cover. To understand role of Government and community in the conservation of forests and wildlife. Art Integration : Slide show how we can conserve our forest Nukkad Natak on preservation of wildlife and forest. Unit 3 24.04.2023 to 06.05.2023 (11) Chapter : Water Resources Topics : Water Scarcity and The Need for Water Conservation and management Multi-Purpose River projects and Integrated Water Resources management Rainwater harvesting Learning Outcomes : At the end of this lesson, learners will be able to understand: Identify the causes of water scarcity. Distinguish between potential and actual water and resources. Justify the need for water conservation and management. 	 Food Security (excluding impact of globalization on agriculture) Learning Outcomes : To impart in-depth practical knowledge in crop cultivation practices To give detailed knowledge about agri-allied sectors To provide knowledge on working of different farm implements To serve the rural agricultural population. Art Integration : Slide show of agricultural practices worldwide Posters on importance of doing agriculture Unit 5 22.05.2023 to 31.05.2023 (08) Chapter : Minerals and Energy Resources Topics : What is a mineral ? Mode of occurance of Minerals, Non-Ferrous Minerals, Non-Metallic Minerals, Rock Minerals Conservation of Minerals Energy Resources of Energy, Conservation of Energy, Non-Sources of Energy, Conservation of Energy Resources of Energy, Conservation of Energy Resources of the country. To state about the mineral resources of the country. 	 Topics : importance of manufacturing-Industrial Location (excluding Industry Market Linkage), Agro based Industry (excluding Cotton Textiles, Jute Textiles, Sugar Industry), Mineral based Industries (excluding Iron Steel Industry, Cement Industry), Industrial Pollution and Environmental Degradation. Learning Outcomes : Firstly, able to classify the industries. Secondly, understand the importance of the location of an industry. Thirdly, appraise the importance of manufacturing industries in their economic growth. Fourthly, understand the role of the Manufacturing industries. Art Integration : Map skills to develop through map work Map of major industries Unit 7 17.07.2023 to 28.07.2023 (10) Chapter : Life Lines of National Economy Topics : Roadways, Railways, Pipelines, Waterways, Major Seaports, Airways, Communication, International Trade, Tourism as a Trade Learning Outcomes :
 Art Integration : Creative slogans and poster on how to conserve water. Play in class Inter class activity. Unit 4 08.05.2023 to 19.05.2023 (10) Chapter : Agriculture Topics : Types of Farming-primitive Subsistance, Intensive Subsistance, Commercial Cropping Pattern-Major Crops, Food Crops other than Grains, Non Food Crops, Technilogical and Institutional Reforms 	 energy resources for the economic development. To differentiate between metallic and non metallic minerals, and conventional and non conventional resources of energy Art Integration : File on the importance of minerals and resources Slogans and posters Unit 6 30.06.2023 to 15.07.2023 (13) Chapter : Manufacturing Industries 	 Learning Outcomes : To understand the importance of transport, communication and trade for a country progress. Get sensitize about types of roads found in India. Art Integration : Map work Unit 8 & Rev. 31.07.2023 to 11.08.2023 (11) Chapter : Revision Unit 9 28.08.2023 to 16.09.2023 (14) Chapter : Revision

CLASS 2	Χ
---------	---

Unit 10 18.09.2023 to 30.09.2023 (10) Chapter : Revision (10) Unit 11 03.10.2023 to 13.10.2023 (10) Chapter : Revision (10) Unit 12 & Rev. 16.10.2023 to 31.10.2023 (10) Chapter : Revision Unit 12 & Rev. 16.10.2023 to 31.10.2023 (10) Chapter : Revision EXAMINATION SCHEDULE : Periodic Asst-1 01.05.2023 to 08.05.2023 Chapter : Ch. : 1, 2 Periodic Asst-2 15.07.2023 to 21.07.2023 Chapter Chapter : Ch. : 3, 5 Half Yearly Exams 14.08.2023 to 25.08.2023 Chapter Chapter : Whole Syllabus Pre-Board-1 29.11.2023 to 08.12.2023 Chapter : Whole Syllabus Pre-Board-2 09.01.2024 to 20.01.2024 Chapter : Whole Syllabus Pre-Board-2 09.01.2024 to 20.01.2024 Chapter : Whole Syllabus	 urgent need for their conservation as well. To deal with the central theme democratic politics emphasizing the role of conflict and resolution in the expansion and evolution of democratic principles. To illustrate the changing pattern of the economiy through significant economic themes and institutions such as poverty, food security, globallization, money and banking system, and the role of the service setor. To offer students an insight into how they can handle some of the natural and human-made disasters that occur during the course of everyday life. Unit 1 01.03.2023 to 31.03.2023 (20) Chapter : Ch-1 The Development Topics : 1. What Development Promises-Different people, different goals 2. Income and other goals 	 b) Understand the importance of quality of life and sustainable development Art Integration/Activities : Picture composition To understand the concept "Development for one may not be development for the others" Unit 3 24.04.2023 to 06.05.2023 (11) Chapter : Ch-2 Sectors of Indian Economy Topics : Sectors of Economic Activities Comparing the three sectors Primary, Secondary and Tertiary sectors in India Learning outcomes : Identify major employment generating sectors Unit 4 08.05.2023 to 19.05.2023 (10) Chapter : Ch-2 Sectors of Indian Economy
Prescribed Books : Understanding Economic Development-II (NCERT) General Objectives : t To bring students closer to one's environment,	 National development Learning outcomes : Familiarize with concepts of macroeconomics Art Integration/Activity : Discussion on the topic "Development for one may not be 	 Sectors in terms of ownership: Public and private sectors Learning outcomes : Reason out the government investment in different sectors of economy.
 society and th intricacies of the geographical, social, economic and political processes in order to enable them to understand the process of social change and the role that they can play towards this change. Learning Objectives : t To focus on diverse forces and development that have shapes the history of the contemporary world. t To enable students to understand and appreciate the diversity, the process of economic and social change, the importance of judicious utilization of resources and the 	 development for the others" Unit 2 01.04.2023 to 21.04.2023 (13) Chapter : Ch-1 The Development Topics : 1. How to compare different countries or states ? 2. Income and other criteria 3. Public facilities 4. Sustainability of development Learning outcomes : a) Understand the rationale for overall human development in our country, which includes the rise of income, improvements in health and education rather that income. 	Unit 522.05.2023 to 31.05.2023(08)Chapter: Money and CreditTopics:1.Money as a medium of exchange2.Modern forms of money3.Loan activities of Banks4.Two different credit situationsLearning outcomes : Understand money as aneconomic conceptUnit 630.06.2023 to 15.07.2023Unit 630.06.2023 to 15.07.2023Chapter: Ch-3 Money and CreditTopics:1.Terms of credit

 Formal sector credit in India Self Help Groups for the Poor Learning outcomes : Understand the role of financial institutions from the point of view of day-to-day life. 	Topics: 'Consumer rights' to be done as project workLearning outcomes : Gets familiarized with the rights and duties as a consumer; and legal measures available to protect from being	 Ability t pages. Ability to and rec Ability t 	to use style sheets beautify the o Interface a web site with a web ford the details of a user's reque o follow basic cyber ethics.	e web server est.
Art Integration/Activity : Case studies based on	exploited in markets.	6. Ability t	o familiarize with network conce	epts.
the topic : "Credit (source, benefits and limitations)	Art Integration/Activities : Project Consumer	Unit 1	01.03.2023 to 31.03.2023	(20)
Unit 7 17.07.2023 to 28.07.2023 (10)	Rights	Торіс	: Internet Basics	
Chapter : Ch-4 Globalisation	Unit 12 & Rev. 16.10.2023 to 31.10.2023 (10)	Activity	: Making a definition list on Ba	isic
Topics :	Chapter : Ch-5 Consumer Rights		terminologies about Internet	
1. Production across countries	Topics : 'Consumer rights' to be done as	Unit 2	01.04.2023 to 21.04.2023	(13)
2. Interlinking production across countries	project work	Торіс	: Internet basics	
 Foreign trade and integration of markets What is globalization ? 	Learning outcomes : Gets familiarized with the rights and duties as a consumer; and legal	Activity	: Making a definition list on Ba terminologies about Internet	isic
Unit 8 & Rev. 31.07.2023 to 11.08.2023 (11)	measures available to protect from being	Unit 3	24.04.2023 to 06.05.2023	(11)
Chapter : Ch-4 Globalisation	exploited in markets.	Торіс	: Internet Services and Mobile	1
Topics :	Art Integration/Activities : Project Consumer		Technologies	
1. Factors that have enabled Globalization	Rights	Activity	: Preparing a PPT on Internet	
2. World Trade Organisation	EXAMINATION SCHEDULE :		Services	
3. Impact of Globalization on India	Periodic Asst-1 01.05.2023 to 08.05.2023	Unit 4	08.05.2023 to 19.05.2023	(10)
4. The struggle for a fair Globalization	Topic : Unit-1	Торіс	: Basic HTML elements	
Art Integration/Activities : Article Writing	Periodic Asst-2 15.07.2023 to 21.07.2023	Activity	: Making a simple web page u	sing
"Globalisation and its impact on India"	Topic : Unit-2 and 3		HTML tags	
Unit 9 28.08.2023 to 16.09.2023 (14)	Half Yearly Exams 14.08.2023 to 25.08.2023	Unit 5	22.05.2023 to 31.05.2023	(08)
Topic : Revision for Half Yearly Exams	Topic : Unit-1 to 6	Торіс	: Images, Links and Tables	
Unit 10 18.09.2023 to 30.09.2023 (10)	Pre-Board-1 29.11.2023 to 08.12.2023	Activity	: Making a web page showing	
Chapter : Ch-5 Consumer Rights	Topic : Unit-1 to 12		images, links and tables	
Topics : 'Consumer rights' to be done as	Pre-Board-2 09.01.2024 to 20.01.2024	Unit 6	30.06.2023 to 15.07.2023	(13)
project work	Topic : Unit-1 to 12	Торіс	: Audio, Video and Forms in H	ITML
Learning outcomes : Gets familiarized with the		Activity	: Making a web page showing	
rights and duties as a consumer; and legal	COMPUTER APPLICATION		audio, video and forms	
measures available to protect from being		Unit 7	17.07.2023 to 28.07.2023	(10)
exploited in markets.	Prescribed Book · Orange Publisher	Торіс	: Cascading Style Sheets	
Art Integration/Activities : Project Consumer	Learning Objectives :	Unit 8 & Re	ev. 31.07.2023 to 11.08.2023	(11)
Rights	1 Ability to create a simple website	Торіс	: Cascading Style Sheets	
Unit 11 03.10.2023 to 13.10.2023 (10) Chapter : Ch-5 Consumer Rights	 Ability to embed images, audio and video in an HTML page. 	Activity	: Making a web page showing properties	CSS

Unit 9	28.08.2023 to 16.09.2023	(14)
Торіс	: Cyber Ethics	
Activity	: Making a PPT on Cyber Ethio	cs
Unit 10	18.09.2023 to 30.09.2023	(10)
Торіс	: Cyber Ethics	
Activity	: Making a PPt on various type	es of
	software	
Unit 11	03.10.2023 to 13.10.2023	(10)
Торіс	: Python / Sratch	
Activity	: Lab activity	
Unit 12 &	Rev. 16.10.2023 to 31.10.2023	(10)
Торіс	: Revision	

FINANCIAL MARKETS MANAGEMENT

Pre	escribed Book :
Inti	roduction to Financial Markets NSQF
LE	VEL-II (by CBSE)
Теа	aching Objectives :
The	e main objectives of this syllabus are to :
1.	To develop financial skills
2.	To build foundation for money management
	and equity market
3.	To develop basic understanding of mutual
	funds, capital and derivative market
4.	To build speed and accuracy for financial
	market operations
5.	To develop business acumen and entre-
	preneurial skills for financial markets
6.	To gain knowledge of green skills for
	environment protection
7.	To develop computer skills required for
	financial market.
8.	To learn oral and written communication skills
	to deal with clients

9. To unde	rstand regulatory requirements w	/hile
working	in financial markets	
Unit 1	01.03.2023 to 31.03.2023	(20) 2
Торіс	: Ch-Investment Basics	U
	i. Different forms of money	
Employabil	ity Skills : Ch-1 Communication	E
	Skills-I	
Art Integrat	ion :	
1. Project -	- Investment	
2. NLT Sof	tware (Function Key Accelerator)	
Unit 2	01.04.2023 to 21.04.2023	(13)
Торіс	: Ch-Securities	
-	i. Evolution of money	
Employabil	ity Skills : Ch-1 Communication	
	Skills-I	
Art Integrat	ion :	2
1. Proiect -	−Niftv 50	
2. NLT Sof	tware (Function Key Accelerator)	
Unit 3	24.04.2023 to 06.05.2023	(11)
Topic	: Ch-Primary Market	` ' '
Employabil	ity Skills : Ch-2 Self-Manageme	nt I
	Skills-I	
Art Integrat	ion :	
1 Project	- NSF	
2 NLT Sof	tware (Function Key Accelerator)	
Unit 4	08 05 2023 to 19 05 2023	(10) I
Tonic	Ch-Secondary Market	
Employabil	ity Skills : Ch-2 Self-Manageme	nt
Linployabi	Skills-I	
Art Integrat	ion :	
1. Project -	-Securities Market	
2. NLT Sof	tware (Function Key Accelerator)	
Unit 5	22.05.2023 to 31.05.2023	(08)
Торіс	: Ch-Secondary Market	.
Employabil	ity Skills : Ch-3 Information and	
	Communication Technology Sk	kills

Art Integ	gration :	
1. Proje	ect -GST	
2. NLT	Software (Function Key Accelera	tor)
Unit 6	30.06.2023 to 15.07.2023	(13)
Торіс	: Ch-Derivatives	
Employa	ability Skills : Ch-4 Entrepreneu	rial
	Skills-I	
Art Integ	gration : NLT Software (Function	Key
	Accelerator)	
Unit 7	17.07.2023 to 28.07.2023	(10)
Торіс	: Ch-Depository	
Employa	ability Skills : Ch-4 Entrepreneu	rial
	Skills-I	
Art Integ	gration :	
1. Proje	ect NSDL	
2. NLT	Software (Function Key Accelera	tor)
Unit 8 &	Rev. 31.07.2023 to 11.08.2023	(11)
Торіс	: Ch-Miscellaneous	
Employa	ability Skills : Ch-5 Green Skills-	-1
Art Integ	gration : NLT Software (Function	Key
	Accelerator)	
Unit 9	28.08.2023 to 16.09.2023	(14)
Торіс	: Ch-Miscellaneous	
Employa	ability Skills : Ch-5 Green Skills-	-1
Art Integ	gration : NLT Software (Function	Key
	Accelerator)	
Unit 10	18.09.2023 to 30.09.2023	(10)
Торіс	: Ch-Concepts and modes of	f
	Analysis	
Art Integ	gration : NLT Software (Function	Key
	Accelerator)	
Unit 11	03.10.2023 to 13.10.2023	(10)
Торіс	: Ch-Ratio Analysis	
Art Integ	gration : NLT Software (Function	Key
	Accelerator)	
Unit 12 a	& Rev. 16.10.2023 to 31.10.2023	6 (10)
Торіс	: Ch-Ratio Analysis	

Art Integratio	on : NLT Software (Function Key
	Accelerator)
EXAMINATIC	ON SCHEDULE :
Periodic Ass	t-1 01.05.2023 to 08.05.2023
Topic :	Ch 1, 2, 3
Periodic Ass	t-2 15.07.2023 to 21.07.2023
Topic :	Ch 4, 5, 6
Half Yearly E	xams 14.08.2023 to 25.08.2023
Topic :	Ch-1 to 7
Pre-Board-1	29.11.2023 to 08.12.2023
Topic :	Ch-1 to 10
Pre-Board-2	09.01.2024 to 20.01.2024
Topic :	Ch-1 to 10

PHYSICAL EDUCATION

Prescribed Book :

Unit 1	01.03.2023 to 31.03.2023 (20)	
Торіс	: Introduction to physical education, Warming up, Jogging, Walking, Jumping, Free movement Exercise, Commands	Pr LE Le
Unit 2	01.04.2023 to 21.04.2023 (13)	''
Торіс	: Introduction of games, Basic skills-Football, Badminton and Lawn Tennis	2.
Unit 3	24.04.2023 to 06.05.2023 (11)	
Торіс	: Introduction of games, Basic skills of Basketball, Kho-Kho, Table Tennis and Kabaddi	
Unit 4 Tonic	08.05.2023 to 19.05.2023 (10)	3.
Unit 5	22.05.2023 to 31.05.2023 (08)	4.
Unit 6	: 30.06.2023 to 15.07.2023 (13)	5.
Торіс	: Physical fitness assessment test continuous	

Unit	7 17.07.2023 to 28.07.2023 (10)	Unit 1	01.03.2023 to 31.03.2023	(20)
Тор	ic : Shuttle race, High jump, Volleyball	Topics	: Introduction to AI	
Unit	8 & Rev. 31.07.2023 to 11.08.2023 (11)	Activity	: • Introducing AI, ML & DL.	
Тор	ic : Basic and Fundamental skills-		 Introduction to AI Domains 	5
	Throwing event		(Data, CV & NLP)	
Unit	28.08.2023 to 16.09.2023 (14)	Unit 2	01.04.2023 to 21.04.2023	(13)
Тор	ic : Basic and Fundamental skills-	Topics	: Al Project Cycle	
	Jumping event	Activity	: • Understanding Problem S	coping
Unit	10 18.09.2023 to 30.09.2023 (10)		&	
Тор	ic : Basic and Fundamental skills-		 Sustainable Development 	Goals
	Football, Relay Race	Unit 3	24.04.2023 to 06.05.2023	(11)
Unit	11 03.10.2023 to 13.10.2023 (10)	Topics	: Al Project Cycle	
Тор	ic : Basic and Fundamental skills-	Activity	: • Introduction to Rule Based	8 t
	Long distance race		Learning Based AI Approa	iches
Unit	: 12 & Rev. 16.10.2023 to 31.10.2023 (10)		 Introduction to Supervised 	
Тор	ic : Physical fitness assessment test		Unsupervised & Reinforce	ement
-			Learning Models	
	ARTIFICIAL INTELLIGENCE		 Neural Networks 	
		Unit 4	08.05.2023 to 19.05.2023	(10)
Pres	sribed Books :	Topics	: Advance Python	
LEA	RNING OUTCOMES :	Activity	: Python Basics	
Lea	mers will be able to	Unit 5	22.05.2023 to 31.05.2023	(08)
1	Identify and appreciate Artificial Intelligence	Topics	: Employability Skills	
	and describe its applications in daily life.	Unit 6	30.06.2023 to 15.07.2023	(13)
2.	Relate, apply and reflect on the Human-	Topics	: Employability Skills	
	Machine Interactions to identify and interact	Unit 7	17.07.2023 to 28.07.2023	(10)
	with the three domains of Al. Data Computer	Topics	: Data Sciences	
	Vision and Natural Language Processing and	Activity	: Statistical Learning & Data	
	Undergo assessment for analyzing their		Visualisation	
	progress towards acquired AI-Readiness	Unit 8 & F	Rev. 31.07.2023 to 11.08.2023	(11)
:	skills.	Topics	: Computer Vision	
3.	Imagine, examine and reflect on the skills	Activity	: Understanding CV concepts	i
	required for futuristic job opportunities.		Pixels How do comput	ers
4.	Unleash their imagination towards smart		see images ? • Image featu	res
	homes and build an interactive story around it.	Unit 9	28.08.2023 to 16.09.2023	(14)
5.	Understand the impact of Artificial Intelligence	Topics	: Computer Vision	
	on Sustainable Development Goals to	Activity	: Session: Understanding CN	N
	develop responsible citizenship.		 Kernel + Layers of CNN 	

.....

.. .. .

Unit 10	18.09.2023 to 30.09.2023	(10)
Topics	: Natural Language Processing	9
Activity	: Hands-on: Text processing	
	 Data Processing Bag of v 	vords
	TFIDF NLTK	
Unit 11	03.10.2023 to 13.10.2023	(10)
Topics	: Evaluation	
Activity	: Confusion Matrix	
	Understanding Accuracy,	
	Precision, Recall & FI Score	(10)
Unit 12 & I	Rev. 16.10.2023 to 31.10.2023	(10)
Topics		
EXAMINA		
Teriodic A	SSI-1 U1.U5.2U23 TO U8.U5.2U23	
Poriodic A	. UTILE I, \angle (AI) set 2 15 07 2022 to 21 07 2022	
	-531-2 13.07.2023 10 21.07.2023	
Half Yearly	· Frams 14 08 2023 to 25 08 20	23
Tonics	· Unit-1 2 3 4 5 (AI)	20
Topios	$Ch-1 \ 2 \ 3 \ 4 \ 5 (FS)$	
Pre-Board	-1 29.11.2023 to 08.12.2023	
Topics	: Entire Svllabus	
Pre-Board	-2 09.01.2024 to 20.01.2024	
Topics	: Entire Syllabus	
•	2	