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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 (2025-2026)**CLASS-X**

Unit	Dates		No. of Days
	From	To	
Unit 1	03.03.2025	15.03.2025	08
Unit 2	17.03.2025	29.03.2025	11
Unit 3	02.04.2025	19.04.2025	11
Unit 4	21.04.2025	03.05.2025	11
Unit 5	05.05.2025	16.05.2025	09
Unit 6	19.05.2025	30.05.2025	10 Block Teaching
Summer Vacation	31.05.2025	21.06.2025	
Unit 7	23.06.2025	05.07.2025	11
Unit 8	07.07.2025	18.07.2025	10
Unit 9 & Rev.	21.07.2025	02.08.2025	11
Unit 10	04.08.2025	22.08.2025	14
Unit 11	25.08.2025	12.09.2025	15
Unit 12 & Rev.	15.09.2025	29.09.2025	11 (Block Teaching)
Unit 13	03.10.2025	17.10.2025	11
Unit 14 & Rev.	24.10.2025	31.10.2025	06
Completion of Syllabus : Friday, 31.10.2025			

REVISION SCHEDULE :

	Dates		No. of Days
	From	To	
Rev. for Pre-Board-1	01.11.2025	14.11.2025	10
Rev. for Pre-Board-2	04.12.2025	16.12.2025	10

ASSESSMENT SCHEDULE :

Assessment	Dates	
	From	To
Periodic Assessment-1	28.04.2025	03.05.2025
Periodic Assessment-2	05.07.2025	11.07.2025
Half Yearly Exams	11.08.2025	25.08.2025
Periodic Assessment-3	06.10.2025	14.10.2025
Pre-Board-1	17.11.2025	28.11.2025
Subject Enrichment	01.12.2025	03.12.2025
Activities (Final Assessment)		
Pre-Board-2	18.12.2025	12.01.2026
Blessing Ceremony : To be announced later.		

ENGLISH LANGUAGE AND LITERATURE

Prescribed Books :

1. **First Flight : English Text Book**
2. **Footprints without Feet : English Supplementary Reader**

General Objectives :

The 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.).
- ◆ to develop curiosity and creativity through extensive reading.
- ◆ to facilitate self-learning to enable them to become independent learners.
- ◆ to review, organize and edit their own work and work done by peers.

At the end of this stage, learners will be able to do the following :

- ❖ give a brief oral description of events / incidents of topical interest.

- ❖ retell the contents of authentic audio texts (weather reports, public announcements, simple advertisements, short interviews, etc.).
- ❖ 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

Unit 1 03.03.2025 to 15.03.2025 (08)

Literature : Revision

Writing : Free speech, Translations,
Creative writings
Speaking Activities

Grammar : Tenses, Determiners
Reported Speech

Art Integration/Activities :

- ❖ One minutes Speaking activities
- ❖ Weave a story

Unit 2 17.03.2025 to 29.03.2025 (11)

Literature : **First Flight** :

Prose : 1. A Letter to God
2. Nelson Mandela

Poetry : 1. Dust of Snow
2. Fire and Ice (poem)

Footprints without Feet : A Triumph of Surgery

Grammar : Parts of Speech, Tense

Writing : Analytical Paragraph writing-
(Line graph)

Art Integration/Activities :

Literature : First Flight

PROSE :

1. A Letter to God-Enactment on favorite part of the story.
2. Nelson Mandela-Speech by famous orators.

POETRY :

1. Dust of Snow-Poem
Writing on 'Little things make a large difference'
2. Fire and Ice-Poster Making on Global Warming

Footprints without feet :

1. A Triumph of Surgery : Draw a picture of Tricki, before and after.

Grammar : Parts of Speech, Tense-Flash
Cards, Sing it aloud

Unit 3 02.04.2025 to 19.04.2025 (11)

Literature : **First Flight**

PROSE : 3. Two Stories about Flying
4. From the Diary of Anne Frank

POETRY : 3. A Tiger in the Zoo
4. How to Tell Wild Animals

Footprints without Feet : 2. The Thief's Story

Grammar : Determiners, integrated exercise
for error correction

Writing : Letter to Editor, Analytical writing-
Bar Graph

<p>Art Integration/Activities : Literature : First Flight PROSE : 3. Two Stories about Flying-Draw Stages of a Bird's life, Audio Visual aids on supernatural. 4. From the Diary of Anne Frank-Poem Writing on 'Let's Spread Love' POETRY : 3. A Tiger in the Zoo-Slogan writing on 'Save tigers' 4. How to Tell Wild Animals-Awareness Campaign 'Say no to animal cruelty' Footprints without Feet : 2. The Thief's Story Pictorial Representation of the story Grammar : Determiners, integrated exercise for error correction-Role Play Writing : Letter to Editor, Analytical writing- Bar Graph Unit 4 21.04.2025 to 03.05.2025 (11) Literature : First Flight POETRY : 5. The Ball Poem 6. Amanda Footprints without feet : 3. The Midnight Visitor Grammar : Subject Verb Concord Writing : Letters of Enquiry and Complaint, Analytical writing - Pie Chart Art Integration/Activities : Literature : First Flight POETRY : 5. The Ball Poem : Draw their most precious thing and write some lines about it. Describe emotions attached. 6. Amanda-Game 'Let's Pretend' Footprints without feet : 3. The Midnight Visitor- Video Clips of James Bond Grammar : Subject Verb Concord Writing : Letters of Enquiry and Complaint, Analytical writing - Pie Chart</p>	<p>Unit 5 05.05.2025 to 16.05.2025 (09) Literature : First Flight PROSE : 7. Glimpses of India Footprints without feet : 4. A Question of Trust Grammar : • Reported speech • Commands and requests • Statements • Questions Writing : Letter for placing orders, Analytical Paragraph - chart, Map, cues Art Integration/Activities : Literature : First Flight : PROSE : 7. Glimpses of India- a) A Baker from Goa-Prepare a Baker's Menu, News telecast on the local bakers of Goa, b) Coorg- Travel Brochure c) Tea from Assam-Compose an advertisement jingle for a tea brand. Footprints without feet : 4. A Question of Trust - Dramatization Grammar : • Reported speech • Commands and requests • Statements • Questions Writing : Letter for placing orders, Analytical Paragraph - chart, Map, cues Unit 6 19.05.2025 to 30.05.2025 (10) Literature : First Flight PROSE : 8. Mijbil the Otter POETRY : 8. The Trees Grammar : Determiners and use of passives Integrated grammar practices with all topics covered so far. Art Integration/Activities : Literature : First Flight PROSE : 8. Mijbil the Otter-present their views on any of the following :</p>	<p>a. I would like to have a pet....., because..... b. What I like most about my pet is..... c. My parents don't want me to have a pet because..... POETRY : 8. The Trees-Write about conflict between "Man vs Nature and Man vs Man" and Make a poster highlighting trees as a symbol of various things, ideas and emotions. Grammar : Determiners and use of passives Integrated grammar practices with all topics covered so far. Unit 7 23.06.2025 to 05.07.2025 (11) Footprints without feet : 5. Footprints without Feet Writing Skills : Formal Letters, Analytical Paragraph Grammar : Integrated Grammar practice Art Integration/Activities : Footprints without feet : 5. Footprints without Feet –Mind Map Writing Skills : Formal Letters, Story writing Grammar : Integrated Grammar practice Unit 8 07.07.2025 to 18.07.2025 (10) Literature : First Flight PROSE : 9. Madam Rides the Bus POETRY : 9. Fog Footprints without feet : 6. The Making of a Scientist 7. The Necklace Grammar : Integrated grammar practice Voice, Subject Verb Accord Writing : Formal Letter, Business Letter Art Integration/Activities : Literature : First Flight PROSE : 9. Madam Rides the Bus-Make a visual image</p>
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<p>of the little girl - Valli, Write an alternative ending to the story.</p> <p>Footprints without feet :</p> <p>7. The Necklace-What are the things you consider essential for happiness ? Make a web chart.</p> <p>POETRY :</p> <p>9. Fog-To write a similar poem (5-6 lines), giving a word picture of an experience or scene.</p> <p>Footprints without feet : 6. The Making of a Scientist-Bio sketch writing</p> <p>Grammar : Voice, Subject Verb Accord-The dialogue game</p> <p>Writing : Formal Letter, Business Letter</p> <p>Unit 9 & Rev. 21.07.2025 to 02.08.2025 (11)</p> <p>Literature : First Flight</p> <p>Prose : 10. The Sermon at Benares</p> <p>Poetry : 10. The Tale of Custard the Dragon</p> <p>Grammar : Reported Speech: Statements, commands and requests, interrogative sentences.</p> <p>Writing : Analytical Paragraph</p> <p>Art Integration/Activities :</p> <p>Literature : First Flight</p> <p>PROSE :</p> <p>10. The Sermon at Benares - Audio visual of some famous sermons to be watched and performed.</p> <p>POETRY :</p> <p>10. The Tale of Custard the Dragon - Analysis of the picture of a 'dragon', draw pictures of a dragon and add features using their imagination.</p> <p>Grammar : Reported Speech: Statements, commands and requests, interrogative sentences</p> <p>Writing : Analytical Paragraph</p>	<p>Unit 10 04.08.2025 to 22.08.2025 (14)</p> <p>Literature : First Flight</p> <p>PROSE : 11. The Proposal</p> <p>POETRY : 11. For Anne Gregory</p> <p>Grammar : Integrated Grammar</p> <p>Art Integration/Activities :</p> <p>Literature : First Flight</p> <p>PROSE : 11. The Proposal – Role Play</p> <p>POETRY : 11. For Anne Gregory-Visual Depiction</p> <p>Grammar : Editing, Omission and Jumbled sentences</p> <p>Unit 11 25.08.2025 to 12.09.2025 (15)</p> <p>Literature : Footprints without Feet : 9. Bholi</p> <p>Grammar : Integrated grammar practice</p> <p>Art Integration/Activities :</p> <p>Footprints without Feet : 9. Bholi -</p> <p>Poster making : 'Education is the weapon to change the World'</p> <p>Unit 12 & Rev. 15.09.2025 to 29.09.2025 (11)</p> <p>Footprints without Feet :</p> <p>10. The Book that Saved the Earth</p> <p>Grammar : Integrated grammar practice</p> <p>Art Integration/Activities :</p> <p>Books vs Digital Books (Debate)</p> <p>Unit 13 03.10.2025 to 17.10.2025 (11)</p> <p>Topic : Revision</p> <p>Unit 14 & Rev. 24.10.2025 to 31.10.2025 (06)</p> <p>Topic : Revision</p> <p>ASSESSMENT SCHEDULE :</p> <p>Periodic Asst.-1 28.04.2025 to 03.05.2025</p> <p>Reading : Unseen comprehensions</p> <p>Writing skills : Letter to the Editor</p> <p>Grammar : Integrated Grammar</p> <p>Literature : First Flight : Ch. 1 and 2</p> <p>Footprints without Feet : Ch. 1</p> <p>Periodic Asst.-2 05.07.2025 to 11.07.2025</p> <p>Reading : Unseen comprehensions</p>	<p>Writing skills : Enquiry and Complaint Letters, Analytical Paragraph</p> <p>Grammar : Integrated Grammar</p> <p>Literature : First Flight : Ch. 3 to 8</p> <p>Footprints without Feet : Ch. 2 to 5</p> <p>Half Yearly Exams 11.08.2025 to 25.08.2025</p> <p>Reading : Unseen Comprehensions</p> <p>Writing skills : Formal Letters, Analytical Paragraph</p> <p>Grammar : Integrated Grammar</p> <p>Literature : First Flight : Ch. 1 to 8</p> <p>Footprints without Feet : Ch.1 to 7</p> <p>Periodic Asst.-3 06.10.2025 to 14.10.2025</p> <p>Reading : Unseen Comprehensions</p> <p>Writing skills : Formal Letters, Analytical Paragraph</p> <p>Grammar : Integrated Grammar</p> <p>Literature : First Flight : Ch. 9, 10</p> <p>Footprints without Feet : Ch. 8, 9</p> <p>Pre-Board-1 17.11.2025 to 28.11.2025</p> <p>Reading : Unseen Comprehensions</p> <p>Writing skills : Formal Letters, Analytical Paragraph</p> <p>Grammar : Integrated Grammar</p> <p>Literature : First Flight: Ch. 1 to 11</p> <p>Footprints without Feet : Ch. 1 to 10</p> <p>Subject Enrichment Activities (Final Asst.) 01.12.2025 to 03.12.2025</p> <p>Assessment of speaking and listening skills</p> <p>Project as per CBSE guidelines</p> <p>Pre-Board-2 18.12.2025 to 12.01.2026</p> <p>Reading : Unseen Comprehensions</p> <p>Writing skills : Formal Letters, Analytical Paragraph</p> <p>Grammar : Integrated Grammar</p> <p>Literature : First Flight: Ch. 1 to 11</p> <p>Footprints without Feet : Ch. 1 to 10</p>
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Deleted chapters from Literature - First Flight :
Unit-5 The Hundred Dresses-I,
Unit-6 The Hundred Dresses-II
Poem-Animals by Walt Whitman
Footprint Without Feet-Ch-8 The Hack Driver

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 ओर 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 उच्चस्वरूपक ज्ञान से प्रयास करना पड़ता है। 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 कौशल एवं लेखन कौशल है। इन सभी कौशलों का

प्रयोग हिन्दी शिक्षण में आवश्यक है। अतः छात्रों में 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 तैयार करना जो समाज, देश तथा विश्व की प्रगति में अपना अभूतपूर्व योगदान दे सकें।

Unit 1 03.03.2025 to 15.03.2025 (08)

स्पर्श गद्य: : पाठ: 1 बड़े भाई साहब

स्पर्श काव्य: : पाठ: 1 साखी कबीर

(चार दोहे)

व्याकरण: : पाठ: शब्द, पद, मुहावरे

रचनात्मक: : विज्ञापन लेखन, पत्र लेखन

गतिविधि: :

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 अंतर्मुखी आस्था का विकास हुआ।
2. घर के प्रति जिम्मेदारी, उत्तरदायित्व तथा बड़ों के प्रति आदर भावना का विकास, पढ़ाई व खेल के

बीच समय का संतुलन करना, समय का महत्त्व 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।

Unit 2 17.03.2025 to 29.03.2025 (11)

स्पर्श गद्य: : पाठ: 1 बड़े भाई साहब

(पाठ पुनरावृत्ति)

स्पर्श काव्य: : पाठ: 1 साखी कबीर (दोहे संपूर्ण)

व्याकरण: : पाठ: वाक्य-रचना, मुहावरे पुनरावृत्ति

रचनात्मक: : अनुच्छेद लेखन, पत्र लेखन,

विज्ञापन लेखन।

गतिविधि: :

1. सामाजिक समस्याओं पर युवा पीढ़ी पर लेखन कार्य करवाना, तथा युवा पीढ़ी को देश की समस्याओं के प्रति जागरूक करना।
2. पठित पाठ व दोहे के आधार पर मौखिक व लिखित परीक्षा लेना।
3. परिवार व समाज के कल्याण हेतु आदर्श भूमिका का निर्वहन करना सिखाना।

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 अंतर्मुखी आस्था का विकास हुआ।
2. परीक्षा के आधार पर मूल्यांकन कर अंकों में वृद्धि

<p>हेतु प्रेरित करना ।</p> <p>3. भक्ति काल के अनेक कवियों के बारे में जाना</p> <p>4. सूरदास के पदों के बारे में जानने की जिज्ञासा उत्पन्न हुई ।</p> <p>Unit 3 02.04.2025 to 19.04.2025 (11)</p> <p>स्पर्श काव्य: : पाठ: 2 डायरी का एक पन्ना</p> <p>स्पर्श काव्य: : मीरा के पद</p> <p>व्याकरण: : पाठ: वाक्य-रचना, मुहावरे, पदबंध</p> <p>संचयन : पाठ: 1 हरिहर काका</p> <p>रचनात्मक: : पत्र लेखन, विज्ञापन लेखन, अपठित गद्यांश, सूचना लेखन</p> <p>गतिविधि: :</p> <ol style="list-style-type: none"> देश के लिए बलिदान देने वाले शहीदों के बारे में संपूर्ण जानकारी प्राप्त कर सचित्र सूची बनाइए । सूरदास के कोई दो पद कंठस्थ कीजिए और चित्र चिपकाइए । कक्षा में गायन शैली में पदों का गायन कीजिए । मीराबाई जी का जन्म स्थान गूगल मानचित्र में दर्शाइए । पदों का गायन कर यूट्यूब चैनल पर अपनी गतिविधियों को दर्शाइए । <p>अधिगम के प्रतिफल :</p> <ol style="list-style-type: none"> छात्र/छात्राओं ने वृद्ध आश्रम जाकर जाना कि भारत में कितने प्रतिशत वृद्ध जन किस कारण से वृद्धआश्रम में रहने को मजबूर हैं । भारतीय कला-संस्कृति के प्रति विद्यार्थी जागरूक 	<p>हुए । वृद्ध जनों की सेवा करना व सम्मान करना सीखा ।</p> <p>Unit 4 21.04.2025 to 03.05.2025 (11)</p> <p>संचयन : पाठ: हरिहर काका</p> <p>व्याकरण: : पाठ: समास, पद-बंध</p> <p>संचयन : पाठ: पुनरावृत्ति</p> <p>रचनात्मक : पुनरावृत्ति कक्षा परीक्षा</p> <p>गतिविधि :</p> <ol style="list-style-type: none"> 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 विद्यार्थियों को वृद्ध आश्रम का भ्रमण करवाना । <p>अधिगम के प्रतिफल : वृद्ध जनों की सेवा करना व सम्मान करना सीखा ।</p> <p>Unit 5 05.05.2025 to 16.05.2025 (09)</p> <p>स्पर्श काव्य: : पाठ 5 पर्वत प्रदेश में पावस</p> <p>व्याकरण: : पुनराभ्यास, विज्ञापन लेखन</p> <p>संचयन : पाठ: सपनों के से दिन</p> <p>रचनात्मक: : पुनराभ्यास, विज्ञापन लेखन</p> <p>गतिविधि: :</p> <ol style="list-style-type: none"> 'मेरी पर्वतीय यात्रा' कक्षा में अपना अनुभव सुनाइए पहाड़ी इलाके का भ्रमण कीजिए व दर्शनीय स्थल की तस्वीरें खींचकर लगाइए । ए आइ टूल्स के माध्यम से पहाड़ी इलाके दिखाइए । <p>अधिगम के प्रतिफल : विश्वजाल की सहायता से बच्चे</p>	<p>पर्वतीय-यात्रा में जाने वाले पर्वतारोहियों की सूची बनाई, जिससे उन्होंने शोधकार्य करने की क्षमता विकसित हुई ।</p> <p>Unit 6 19.05.2025 to 30.05.2025 (10)</p> <p>स्पर्श गद्य: : पाठ: 6 अब कहाँ दूसरों के दुख से दुखी होने वाले</p> <p>स्पर्श काव्य: : मनुष्यता</p> <p>व्याकरण: : पुनराभ्यास</p> <p>संचयन : पाठ 2 सपनों के से दिन</p> <p>रचनात्मक: : पत्र लेखन, लघु कथा लेखन, अनुच्छेद लेखन, सूचना लेखन</p> <p>गतिविधि :</p> <ol style="list-style-type: none"> इतिहास से संबंधित महान व्यक्तित्व के स्वामी रहे परोपकारी व्यक्तियों के बारे में पढ़कर कक्षा में सामूहिक चर्चा कीजिए । गतिविधि : पढ़े हुए पाठों के सार याद कीजिए व महत्त्वपूर्ण पंक्तियाँ याद कीजिए । महान व्यक्तियों के प्रेरक प्रसंग पढ़िए व किसी एक के बारे में कक्षा में सामूहिक चर्चा कीजिए । अपने बचपन की कोई सीख देने वाली बात कक्षा में बताइए । <p>अधिगम के प्रतिफल :</p> <ol style="list-style-type: none"> वर्तमान समय में दूसरों के प्रति संवेदनशीलता, दुख-सुख समझने की अनुभूति उत्पन्न हुई । पुस्तकालय व महापुरुषों की पुस्तकों के प्रति व
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<p>परोपकार करने के प्रति आदर्श भावना विकसित हुई ।</p> <p>3. प्रेरक-प्रसंगों का संकलन करना । व्यक्तिगत व महत्त्वपूर्ण वस्तुओं को सहेजना सीखा ।</p> <p>Unit 7 23.06.2025 to 05.07.2025 (11)</p> <p>स्पर्श गद्य: : पाठ: पतझर में टूटी पत्तियाँ</p> <p>स्पर्श काव्य: : मनुष्यता</p> <p>संचयन : पाठ 2 सपनों के से दिन</p> <p>परीक्षा हेतु पुनराभ्यास</p> <p>गतिविधि :</p> <ol style="list-style-type: none"> महात्मा बुद्ध, वीर कर्ण, सरस्वती देवी के बारे में जानकारी एकत्रित कर उत्तर-पुस्तिका में सचित्र चिपकाइए । श्रवण कौशल परीक्षा <p>अधिगम के प्रतिफल :</p> <ol style="list-style-type: none"> 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 । <p>Unit 8 07.07.2025 to 18.07.2025 (10)</p> <p>स्पर्श गद्य: : पाठ: 7 पतझर में टूटी पत्तियाँ</p> <p>स्पर्श काव्य: : मनुष्यता</p> <p>व्याकरण: : मुहावरे</p>	<p>संचयन : पाठ 2 सपनों के से दिन पुनरावृत्ति</p> <p>व्याकरण: : पुनराभ्यास</p> <p>संचयन : पाठ 1, 2 पुनरावृत्ति</p> <p>रचनात्मक: : पत्र लेखन, विज्ञापन लेखन, सूचना लेखन</p> <p>परीक्षा हेतु पुनराभ्यास</p> <p>गतिविधि :</p> <ol style="list-style-type: none"> महात्मा गाँधी के जीवन से संबंधित किसी एकांकी का मंचन कीजिए । जापानियों के लोक-व्यवहार को उजागर करने वाले किसी प्रसंग पर मूक अभिनय कीजिए । पंजाबी साहित्यकारों व लेखकों के विषय में सचित्र परियोजना बनाइए । गाँधी जी के किस आदर्श से आप अधिक प्रभावित हैं ? और क्यों ? <p>अधिगम के प्रतिफल :</p> <ol style="list-style-type: none"> लेखन, वाचन, आपसी सहयोग, प्रेम, एकता की भावना विकसित हुई । विभिन्न भाषाओं के प्रति प्रेम व उनके बारे में जानने की इच्छा उत्पन्न हुई । मनपसंद लेखक के बारे में जानने की उत्सुकता से शब्द भंडार समृद्ध हुआ । 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 । 	<p>Unit 9 & Rev. 21.07.2025 to 02.08.2025 (11)</p> <p>स्पर्श गद्य: : पाठ: कारतूस</p> <p>स्पर्श काव्य: : कर चले हम फिदा</p> <p>व्याकरण: : समास, मुहावरे, वाक्य रचना</p> <p>संचयन : पाठ: सपनों के से दिन</p> <p>रचनात्मक: : अनुच्छेद लेखन, सूचना लेखन, पत्र लेखन/मेल लेखन ।</p> <p>पाठों की पुनरावृत्ति ।</p> <p>गतिविधि: :</p> <ol style="list-style-type: none"> सूचना लेखन, परोपकारी व्यक्तियों के नाम, अंतोन चेखव के नाटकों का नाटकीकरण । रोबिनहुड के कारनामों पढ़कर वजीर अली से तुलना कीजिए । हकीकत फिल्म देखकर अपनी प्रतिक्रिया व्यक्त कीजिए । ‘मज़हब नहीं सिखाता आपस में बैर रखना’ विषय पर वाद-विवाद प्रतियोगिता आयोजित कीजिए । गतिविधि : 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 । <p>कक्षा परीक्षा मौखिक लिखित</p> <p>अधिगम के प्रतिफल :</p> <ol style="list-style-type: none"> जीवन में निडर, साहसी, स्वावलंबी बनने की प्रतिभा का जन्म लेना मित्र के गुणों को अनुभव
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<p>करना, आपसी विचारों का तालमेल की कला का समायोजन का विकास ।</p> <p>2. रचनात्मक लेखन द्वारा अपनी विचार धारा को प्रस्तुत करने की क्षमता का विकास ।</p> <p>3. ईश्वर से सच्ची प्रार्थना करना सीखा । निस्वार्थ भाव से भक्ति करना सीखा ।</p> <p>मूल्यांकन</p> <p>Unit 10 04.08.2025 to 22.08.2025 (14)</p> <p>स्पर्श गद्य : तीसरी कसम के शिल्पकार शैलेन्द्र</p> <p>संचयन : टोपी शुक्ला</p> <p>रचनात्मक : पुनरावृत्ति</p> <p>व्याकरण : मुहावरे</p> <p>संचयन : पाठ पुनरावृत्ति</p> <p>रचनात्मक : अनुच्छेद लेखन, विज्ञापन लेखन</p> <p>ईमेल लेखन</p> <p>क्रियाकलाप : अपने माता-पिता की एलबम से पुराने चित्र लेकर उत्तर पुस्तिका में चिपकाइए व पुरानी रील व पुराने कैमरे के बारे में जानकारी प्राप्त कीजिए ।</p> <p>अधिगम के प्रतिफल : पुरानी व नई फिल्मों के अंतर को जरनेगे, समीक्षा करेंगे ।</p> <p>Unit 11 25.08.2025 to 12.09.2025 (15)</p> <p>स्पर्श गद्य : पाठ: 8 कारतूस</p> <p>स्पर्श काव्य : कर चले हम फिदा, आत्मत्राण</p> <p>व्याकरण : ईमेल लेखन, लघु कथा लेखन</p> <p>संचयन : पाठ 3 टोपी शुक्ला</p>	<p>रचनात्मक : अनुच्छेद लेखन, सूचना लेखन, पत्र लेखन, लघु कथा लेखन</p> <p>गतिविधि :</p> <ol style="list-style-type: none"> 1. गतिविधि : भक्ति पद कक्षा में गाकर सुनाइए । 2. गतिविधि : प्रेरक प्रसंग एकत्रित कीजिए । 3. गतिविधि: न वरसकेब रेमेज इनकरए क-एक काव्यांश सभी रसों से संबंधित लिखिए । 4. श्रवण कौशल परीक्षा 5. गतिविधि : साहसी वीरों की सूची बनाइए, जिन्होंने अंग्रेजी सरकार के सामने घुटने नहीं टेके । <p>अधिगम के प्रतिफल :</p> <ol style="list-style-type: none"> 1. स्वरचित कविता निर्माण से अंतर्मुखी प्रतिभा का विकास । 2. अन्य कवियों के दोहों को पढ़कर दोहों की समीक्षा करने की कला में निपुणता उत्पन्न करना । 3. बोलने की कला में निपुणता का गुण उत्पन्न होना । <p>Unit 12 & Rev. 15.09.2025 to 29.09.2025 (11)</p> <p>स्पर्श गद्य : पाठ: 8 कारतूस</p> <p>स्पर्श काव्य : कर चले हम फिदा, आत्मत्राण</p> <p>व्याकरण : ईमेल लेखन, लघु कथा लेखन</p> <p>संचयन : पाठ 3 टोपी शुक्ला</p> <p>रचनात्मक : अनुच्छेद लेखन, सूचना लेखन, पत्र लेखन</p> <p>गतिविधि :</p> <ol style="list-style-type: none"> 1. गतिविधि : भक्ति पद कक्षा में गाकर सुनाइए । 2. गतिविधि : प्रेरक प्रसंग एकत्रित कीजिए । 	<ol style="list-style-type: none"> 3. श्रवण कौशल परीक्षा 4. साहसी वीरों की सूची बनाइए, जिन्होंने अंग्रेजी सरकार के सामने घुटने नहीं टेके । <p>अधिगम के प्रतिफल :</p> <ol style="list-style-type: none"> 1. देशभक्ति की भावना का विकास । ईश्वर की सच्ची प्रार्थना को समझने अपनी बात को दूसरों से कहने में सक्षम होना । 2. अपने अधिकार के लिए लड़ने का साहस उत्पन्न होना । 3. सच्चे मित्र की परख करने की क्षमता का विकास । <p>Unit 13 03.10.2025 to 17.10.2025 (11)</p> <p>स्पर्श गद्य : पाठ: 8 कारतूस</p> <p>स्पर्श काव्य : कर चले हम फिदा, आत्मत्राण</p> <p>व्याकरण : ईमेल लेखन, लघु कथा लेखन</p> <p>संचयन : पाठ 3 टोपी शुक्ला</p> <p>रचनात्मक : अनुच्छेद लेखन, सूचना लेखन, पत्र लेखन</p> <p>गतिविधि :</p> <ol style="list-style-type: none"> 1. गतिविधि : भक्ति पद कक्षा में गाकर सुनाइए । 2. गतिविधि : प्रेरक प्रसंग एकत्रित कीजिए । 3. श्रवण कौशल परीक्षा 4. साहसी वीरों की सूची बनाइए, जिन्होंने अंग्रेजी सरकार के सामने घुटने नहीं टेके । <p>अधिगम के प्रतिफल :</p> <ol style="list-style-type: none"> 1. देशभक्ति की भावना का विकास । ईश्वर की सच्ची प्रार्थना को समझने अपनी बात को दूसरों से
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MATHEMATICS

Prescribed Books : NCERT Text Book-9

Reference Book : Exemplar Problems by

NCERT, DOE support material

Teaching Objective of School Mathematics :

The broad objective of teaching of Mathematics at secondary stage is to help the learners to :

- ❖ Consolidate the Mathematics knowledge and skill acquired at the upper primary stage,
- ❖ Acquire knowledge and understanding particularly by way of motivation and visualization of basic concepts, terms principles and symbols and underlying processes and skills.
- ❖ Develop mastery of basic algebraic skills.
- ❖ Develop drawing skills.
- ❖ Feel the flow of reasons while proving a result or solving a problem,
- ❖ Apply the knowledge and skill required to solve problems and wherever possible, by more than one method,
- ❖ To develop positive ability to think, analyses and articulate logically,
- ❖ Children see mathematics as something to talk about, to communicate, to discuss among themselves, to work together on,
- ❖ They pose and solve meaningful problems,
- ❖ They use abstractions to perceive relationship, to see structure, to reasons out things, to argue the truth or falsity of statements.

Unit 1 03.03.2025 to 15.03.2025 (08)

Topic : Ch-2 : Polynomials

Zeros of a polynomial, Relationship between zeros and coefficients of quadratic polynomials.

Learning Outcomes : To develop a relationship between algebraic and graphical methods of finding the zeroes of a polynomial.

कहने में सक्षम होना ।

2. अपने अधिकार के लिए लड़ने का साहस उत्पन्न होना ।

3. सच्चे मित्र की परख करने की क्षमता का विकास ।

Unit 14 & Rev. 24.10.2025 to 31.10.2025 (06)

पुनरावृत्ति:

EXAMINATION SCHEDULE :

Periodic Asst.-1 28.04.2025 to 03.05.2025

स्पर्श गद्य : पाठ: 1

स्पर्श काव्य : पाठ 1

व्याकरण : मुहावरे, वाक्य रचना, विज्ञापन लेखन, अपठित बोध

गतिविधि : दोहा गायन ।

Periodic Asst.-2 05.07.2025 to 11.07.2025

स्पर्श गद्य : पाठ: 2, 3

स्पर्श काव्य : पाठ-मीरा के पद, तोप

व्याकरण : वाक्य रचना, समास

रचनात्मक : अनुच्छेद लेखन, लघु कथा लेखन, अपठित गद्यांश, सूचना लेखन, पत्र लेखन, ईमेल लेखन ।

गतिविधि :

1. देश प्रेम पर चर्चा ।

2. प्रेमचन्द की एक अन्य कहानी पढ़कर उसका

सारांश लिखिए व कक्षा में सुनाइए ।

Half Yearly Exams 11.08.2025 to 25.08.2025

पाठन : अपठित गद्यांश

स्पर्श गद्य : पाठ: 1, 2, 3, 4, 5

स्पर्श काव्य : पाठ 1, 2, 3, 4, 5

व्याकरण : मुहावरे, वाक्य रचना, समास, पदबंध

संचयन : पाठ 1

रचनात्मक : अनुच्छेद लेखन, लघु कथा लेखन, विज्ञापन लेखन, अपठित गद्यांश, सूचना लेखन, ईमेल लेखन, पत्र लेखन

Periodic Asst.-3 06.10.2025 to 14.10.2025

स्पर्श गद्य : पाठ: तीसरी कसम के शिल्पकार शैलेन्द्र

स्पर्श काव्य : पाठ आत्म त्राण

व्याकरण : मुहावरे, वाक्य रचना, समास, पदबंध संचयन : पाठ 1, 2, 3

रचनात्मक : अनुच्छेद लेखन, लघु कथा लेखन, विज्ञापन लेखन, अपठित गद्यांश, सूचना लेखन, ईमेल लेखन, पत्र लेखन

पाठ्यक्रम : संपूर्ण पाठ्यक्रम

Pre-Board-1 17.11.2025 to 28.11.2025

पाठ्यक्रम : संपूर्ण पाठ्यक्रम

Subject Enrichment Activities (Final Asst.) 01.12.2025 to 03.12.2025

पाठ्यक्रम : श्रवण कौशल परीक्षा, उत्तर पुस्तिका, परियोजना कार्य के अंक प्रदान किए जाएंगे

Pre-Board-2 18.12.2025 to 12.01.2026

पाठ्यक्रम : संपूर्ण पाठ्यक्रम

Topic : Ch-4: Quadratic Equations

Standard form of a quadratic equation $ax^2 + bx + c$, ($a \neq 0$). 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 use the graphical method to obtain the conditions of consistency and hence to solve a given system of linear equations in two variables.

Unit 2 17.03.2025 to 29.03.2025 (11)

Topic : Ch1: Real Numbers

Fundamental Theorem of Arithmetic-statements after reviewing work done earlier and after illustrating and motivating through examples, Proofs of irrationality of $\sqrt{2}$, $\sqrt{3}$, $\sqrt{5}$ and $\sqrt{7}$.

Learning Outcomes : To generalize properties of numbers and relations among them studied earlier to evolve results, such as, Euclid's division algorithm, Fundamental

Topic : Ch-3 : Pair of linear equations in two variables

Pair of linear equations in two variables and graphical method of their solution, consistency/inconsistency. Algebraic conditions for number of solutions. Solution of a pair of linear equations in two variables algebraically-by substitution, by elimination and by cross multiplication method. Simple situational problems. Simple problems on equations reducible to linear equations.

Learning Outcomes : Theorem of Arithmetic and applies them to solve problems related to real life contexts

To find solutions of pairs of linear equations in two variable using graphical and different algebraic methods.

Unit 3 02.04.2025 to 19.04.2025 (11)

Topic : Ch-6 : Triangles

Definitions, examples, counter examples of similar triangles.

1. (Prove) If a line is drawn parallel to one side of a triangle to intersect the other two sides in distinct points, the other two sides are divided in the same ratio.
2. (Motivate) If a line divides two sides of a triangle in the same ratio, the line is parallel to the third side.
3. (Motivate) If in two triangles, the corresponding 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.

Learning Outcomes : To establish properties for similarity of two triangles logically using different geometric criteria established earlier such as, Basic Proportionality Theorem, etc.

Art Integration/Lab Activity :

- To verify the midpoint theorem.

Unit 4 21.04.2025 to 03.05.2025 (11)

Topic : Ch-15 : Statistics

Mean, median and mode of grouped data (bimodal situation to be avoided).

Revision for PA 1

Learning Outcomes : To calculate mean, median

and mode for different sets of data related with real life contexts.

Unit 5 05.05.2025 to 16.05.2025 (09)

Topic : Ch-15 : 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.

Unit 6 19.05.2025 to 30.05.2025 (10)

Topic : Ch-8 : Introduction to Trigonometry

1. Trigonometric ratios of an acute angle of a right-angled triangle. Proof of their existence (well defined); 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 $\sin^2 A + \cos^2 A = 1$. 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**HEIGHTS AND DISTANCES : Angle of elevation, Angle of Depression.**

Periods Simple problems on heights and distances Problems should not involve more than two right 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 7 **23.06.2025 to 05.07.2025** **(11)**

Topic : **Ch-9 : Application to Trigonometry (Contd...)**
Revision for PA2

Ch 7: Coordinate Geometry

Review : Concepts of coordinate geometry, graphs of linear equations. Distance formula. Section formula (internal division).

Learning Outcomes : To derive formulae to establish relations for geometrical shapes in the context of a coordinate plane, such as, finding the distance between two given points, to determine the coordinates of a point between any two given points, to find the area of a triangle, etc.

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 8 **07.07.2025 to 18.07.2025** **(10)**

Topic : **Ch-5 : Arithmetic Progressions**

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 strategies to apply the concept of A.P. to daily life situations.

Art Integration/Lab Activity : To verify using a graphical method that a given sequence of numbers is an arithmetic progression.

Unit 9 & Rev. **21.07.2025 to 02.08.2025** **(11)**

Topic : **Ch-12 : Areas related to Circles**

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.

Learning Outcomes : To derive proofs of theorems related to the tangents of circles.

Art Integration/Lab Activity : To verify that the lengths of the tangents drawn from an external point to a circle are equal.

Unit 10 **04.08.2025 to 22.08.2025** **(14)**

Topic : **Ch-10 : Circles**

Tangent to a circle at, point of contact

1. (Prove) The tangent at any point of a circle is perpendicular to the radius through the point of contact.
2. (Prove) The lengths of tangents drawn from an external point to a circle are equal.

Learning Outcomes : To find the Circumference and area of a circle; applying geometric theorems related to circles to solve problems involving angles and lengths within a circle; and drawing accurate circles given specific parameters like radius or diameter.

Unit 11 **25.08.2025 to 12.09.2025** **(15)**

Topic : **Ch : Surface Area & Volume**

Surface areas and volumes of combinations of any two of the following: cubes, cuboids, spheres, hemispheres and right circular cylinders/cones.

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 12 & Rev. **15.09.2025 to 29.09.2025** **(11)**

Topic : **Ch : Surface Area & Volume**
(contd.)

Unit 13 **03.10.2025 to 17.10.2025** **(11)**

Topic : Revision

Unit 14 & Rev. **24.10.2025 to 31.10.2025** **(06)**

Topic : Revision

EXAMINATION SCHEDULE :

Periodic Asst.-1 **28.04.2025 to 03.05.2025**

Topic :

Periodic Asst.-2 **05.07.2025 to 11.07.2025**

Topic :

Half Yearly Exams **11.08.2025 to 25.08.2025**

Topic :

Periodic Asst.-3 **06.10.2025 to 14.10.2025**

Topic :

Pre-Board-1 **17.11.2025 to 28.11.2025**

Topic :

Pre-Board-2 **18.12.2025 to 12.01.2026**

Topic :

SCIENCE

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
- ♦ 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

Unit 1 03.03.2025 to 15.03.2025 (08)

Chapter : Ch-10 Light Reflection and Refraction

Topic :

Rays, converging, diverging, Reflection, Diffraction, characteristics 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 concave mirror.

Experimentally find focal length of a concave mirror by focusing the image of a distant object.

Learning Outcomes : Define light that affects sight • Distinguish between ray and beam • List types of beam • state laws of reflection • Analyse image formation in plane mirror and name the characteristics of this image •

Distinguish between real & virtual image. Identify the types of spherical mirrors and define the terms—pole, aperture, focus principal axis, centre of curvature, radius of curvature focal length. • State rules for 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.

Unit 2 17.03.2025 to 29.03.2025 (11)

Chapter : Ch-10 Light Reflection and Refraction

Topic : Image formation by convex mirror, applications of spherical mirrors

Art Integration :

- Image formation by convex mirror
- Experimentally find focal length of a convex lens by focusing the image of a distant object.

Learning Outcomes : Draw ray diagrams to show formation of image by convex mirror. • Study the formation of image by a convex mirror for different positions of objects • state the uses of plane mirrors, concave mirrors and convex mirrors in our day-to-day life,

Unit 3 02.04.2025 to 19.04.2025 (11)

Chapter : Ch-10 Light Reflection and Refraction

Topic : Sign convention, Mirror formula, Magnification formula, Numerical practice

Art Integration : Role play-mirror image and object to practice sign convention

Learning Outcomes : State sign convention for spherical mirrors and apply it to solve numerical State mirror formula • Solve numerical problems using above relations

Unit 4 21.04.2025 to 03.05.2025 (11)

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

Experiment-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 • state laws of refraction of light, verify them experimentally Analyse the reason behind everyday phenomena using knowledge of refraction of light •

Unit 5 05.05.2025 to 16.05.2025 (09)

Chapter : Ch-10 Light Reflection and Refraction

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

Art Integration : Experiment-Refraction through a glass prism drawing ray diagrams for image formation by lens

Learning Outcomes : To calculate refractive index and speed of light in different medium. Apply the knowledge to solve problems based on RI

Unit 6 19.05.2025 to 30.05.2025 (10)

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 prism
MA : Drawing ray diagrams for image formation by spherical mirrors on a chart paper

Art Integration :

- Diagram of eye Ray, Diagram of defects & correction
- To study model of human eye

Learning Outcome : Define 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 eye 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 23.06.2025 to 05.07.2025 (11)

Chapter : Ch-11 Human Eye and Col World

Sub-Topic : Atmospheric refraction and its applications, Scattering of Light, Applications of scattering

Art Integration :

- Drawing diagrams of Applications of Atmospheric Refraction/Scattering on a chart paper/ using AI Tools
- Show scattering through milk solution/ glue stick

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 Scattered 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 07.07.2025 to 18.07.2025 (10)

Chapter : Ch-12 Electricity

Topic : Current, Potential Difference, OHM's Law

Art Integration :

- Drawing Circuit Diagram
- Verify Ohm's Law experimentally

Learning Outcomes : Identify charge as a fundamental quantity • Develop meaning of electric current and its unit, electric potential, potential difference and their units. • Define resistance using Ohm's law, derive it's unit

Unit 9 & Rev. 21.07.2025 to 02.08.2025 (11)

Chapter : Ch-12 Electricity

Topic : Resistance, factors affecting resistance, resistivity, combination of resistance

Art Integration :

- Drawing circuit diagram of combination of resistors

- Experimentally Calculate effective resistance in series combination

Learning Outcomes : List the factors which affect resistance. • Explain resistivity, Conductors, resistors & insulators • Experimentally determine the factors affecting resistance • Experimentally verify the laws of resistances in series and in parallel.

Unit 10 04.08.2025 to 22.08.2025 (14)

Chapter : Ch-12 Electricity

Topic : Heating Effect of Current, Application of Heating Effect, Power, Relation between P, V, I, R KWH commercial unit of electrical energy

Learning Outcomes : Analyze the uses of conductors, resistors and insulators. • Observe that heat is produced due to flow of current • State Joule's law and express it mathematically • Recognize 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 11 25.08.2025 to 12.09.2025 (15)

Chapter : Ch-13 Magnetic Effect of Current

Topic : Oersted's Experiment, Magnetic Field Lines properties

Art Integration :

- Drawing magnetic field lines, construction of Domestic circuit
- Draw magnetic field lines, using bar magnet and iron filings

Learning Outcomes : Recall magnets and list their important properties • Conceptualize magnetic field lines and list their properties. •

- Experimentally Calculate effective resistance in series combination

Learning Outcomes : List the factors which affect resistance. • Explain resistivity, Conductors, resistors & insulators • Experimentally determine the factors affecting resistance • Experimentally verify the laws of resistances in series and in parallel.

Unit 10 04.08.2025 to 22.08.2025 (14)

Chapter : Ch-12 Electricity

Topic : Heating Effect of Current, Application of Heating Effect, Power, Relation between P, V, I, R KWH commercial unit of electrical energy

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Unit 11 25.08.2025 to 12.09.2025 (15)

Chapter : Ch-13 Magnetic Effect of Current

Topic : Oersted's Experiment, Magnetic Field Lines properties

Art Integration :

- Drawing magnetic field lines, construction of Domestic circuit
- Draw magnetic field lines, using bar magnet and iron filings

Learning Outcomes : Recall magnets and list their important properties • Conceptualize magnetic field lines and list their properties. •

Unit 12 & Rev. 15.09.2025 to 29.09.2025 (11)

Topic : Pattern of magnetic field lines, right hand thumb rule,

Art Integration : Drawing magnetic field lines 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 13 03.10.2025 to 17.10.2025 (11)

Chapter : Ch-13 Magnetic Effect of Current

Topic : Force acting on a current carrying conductor, Fleming's left hand rule, Domestic Circuit

Art Integration : Domestic Circuit Observing live neutral and earth wire and their insulation colour
Learning Outcomes : State the importance of fuse and earth wire, Draw the domestic circuit, placing fuse and meter appropriately

Unit 14 & Rev. 24.10.2025 to 31.10.2025 (06)

Topic : Revision

EXAMINATION SCHEDULE :

Periodic Asst.-1 28.04.2025 to 03.05.2025

Topic : Ch-10 Light Reflection and Refraction

Periodic Asst.-2 05.07.2025 to 11.07.2025

Topic : Ch-10 Light Reflection and Refraction

Half Yearly Exams 11.08.2025 to 25.08.2025

Topic : Ch-10 and 11

Periodic Asst.-3 06.10.2025 to 14.10.2025

Topic : Ch Electricity

Pre-Board-1 17.11.2025 to 28.11.2025

Topic : Complete Syllabus

Subject Enrichment Activities (Final Asst.)

01.12.2025 to 03.12.2025

Topic : Practical based assessment

Pre-Board-2 18.12.2025 to 12.01.2026

Topic : Complete Syllabus

CHEMISTRY

Prescribed Book :

Science Text Book for Class X (NCERT)

Unit 1 03.03.2025 to 15.03.2025 (08)

Chapter : Ch-1 : Chemical reactions and Equations

Topics : Introduction, Balancing of chemical equations, Characteristics of chemical equations, Types of chemical reactions, Oxidation, Rancidity
Art Integration : Drawing mind map for types of Chemical Reactions

Practical : Performing and observing the different reactions and classifying them into : A. Combination reaction A. Displacement reaction D. Double displacement reaction

Learning Outcomes : Use of scientific conventions to represent units of various quantities, symbols, formulae, and equations, such as, balanced chemical equation by using symbols and physical states of substances

Unit 2 17.03.2025 to 29.03.2025 (11)

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

Practical : Studying the properties of acids and bases (HCl & NaOH) on the basis of their reaction with: Unit-I

a) Litmus solution (Blue/Red)

b) Zinc metal

c) Solid sodium carbonate.

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

Unit 3 02.04.2025 to 19.04.2025 (11)

Chapter : Ch-2 : Acids bases and salts

Topics : ph and its Importance

Art Integration : Flow chart on different types of Indicators

Practical : A. Finding the pH of the different samples by using pH paper/universal indicator

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 21.04.2025 to 03.05.2025 (11)

Chapter : Ch-2 : Acids bases and salts

Topic : Some important chemical compounds

Art Integration : Drawing of ph scale.

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 of 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 05.05.2025 to 16.05.2025 (09)

Chapter : Ch-3 : Metal and Non Metals

Topics : Physical and chemical properties

of Metal and Non-metals

Art Integration : Poster on properties of elements

Practical : Observing the action of Zn, Fe, Cu and Al metals on the following salt solutions :

i) $\text{ZnSO}_4(\text{aq})$ ii) $\text{FeSO}_4(\text{aq})$

iii) $\text{CuSO}_4(\text{aq})$ iv) $\text{Al}_2(\text{SO}_4)_3(\text{aq})$

Arranging Zn, Fe, Cu and Al (metals) in the decreasing order of reactivity based on the above result.

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 6 19.05.2025 to 30.05.2025 (10)

Chapter : Ch-3 : Metal and Non Metals

Topics : Ionic compounds and their properties

Hw : Experiments related to science in daily life.

Art Integration : Diagram of bond Formation

Learning Outcomes :

Understand bond formation

Unit 7 23.06.2025 to 05.07.2025 (11)

Chapter : Ch-3 : Metal and Non Metals

Topics : Extraction of metals

Art Integration : Experiment to test reactivity of different metals

Learning Outcomes : Explains 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 07.07.2025 to 18.07.2025 (10)

Chapter : Ch-3 : Metal and Non Metals

Topics : Alloy, Corrosion

Art Integration : Corrosion - seminar

Learning Outcomes : Explains processes and harmful effects of corrosion

Unit 9 & Rev. 21.07.2025 to 02.08.2025 (11)

Topics : Revision

Unit 10 04.08.2025 to 22.08.2025 (14)

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 11 25.08.2025 to 12.09.2025 (15)

Chapter : Ch-4 Carbon and its compounds

Topic : Chemical properties of carbon compounds

Art Integration : P.P.T. on Chemical Properties

Practical : Study of the following properties of acid (ethanoic acid): (i) Odour (ii) solubility in water (iii) effect on litmus (iv) reaction with Sodium Hydrogen Carbonate

Learning Outcomes : Understand different chemical properties of carbon compounds.

Unit 12 & Rev. 15.09.2025 to 29.09.2025 (11)

Chapter : Ch-4 Carbon and its compounds

Topic : Important carbon compounds

Art Integration : Movie making on substance abuse

Learning Outcomes : exhibits values of honesty, 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, sensitises others about its effect on physical and mental health.

Unit 13 03.10.2025 to 17.10.2025 (11)
Chapter : Ch-4 Carbon and its compounds
Topic : Soaps and detergents

Art Integration : PPT

Practical : Study of the comparative cleaning capacity of a sample of soap in soft and hard water.

Learning Outcomes : Takes initiative to know about scientific discoveries and inventions

Unit 14 & Rev. 24.10.2025 to 31.10.2025 (06)

Topic : Revision

EXAMINATION SCHEDULE :

Periodic Asst.-1 28.04.2025 to 03.05.2025

Topic : Ch-1 Chemical reactions and equations

Periodic Asst.-2 05.07.2025 to 11.07.2025

Topic : Ch-2 Acids bases and salt
Ch-3 Metals and non metals

Half Yearly Exams 11.08.2025 to 25.08.2025

Topic :

Periodic Asst.-3 06.10.2025 to 14.10.2025

Topic : Ch-3 Metals and non metals
Metals, carbon and its compound

Pre-Board-1 17.11.2025 to 28.11.2025

Topic : Ch-1, 2, 3 and 4

Pre-Board-2 18.12.2025 to 12.01.2026

Topic : Ch-1, 2, 3 and 4

Practical exam will be conducted as subject enrichment.

BIOLOGY

Prescribed Book :

Science Text Book Class X (NCERT)

General Objectives :

- ❖ Develop inquiring minds and curiosity about science and the natural world.
- ❖ Acquire knowledge, conceptual under-

standing and skills to solve problems and make informed decisions in scientific and other contexts.

- ❖ Develop skills of scientific inquiry to design and carry out scientific investigations and evaluate scientific evidence to draw conclusions.
- ❖ Communicate scientific ideas, arguments and practical experiences accurately in a variety of ways.
- ❖ Think analytically, critically and creatively to solve problems, judge arguments and make decisions in scientific and other contexts.
- ❖ Appreciate the benefits and limitations of science and its application in technological developments.
- ❖ Understand the international nature of science and the interdependence of science, technology and society, including the benefits, limitations implications imposed by social, economic, political, environment, cultural and ethical factors.

Unit 1 03.03.2025 to 15.03.2025 (08)

Chapter : Ch-6 Life Processes

Topics : Nutrition, Nutrition types

CPD : The presentation and videos of digestive organ systems in human, learning their activities

Art Integration :

1. Diagram drawing : chloroplast, T.S. Leaf. Nutrition in amoeba.
2. Slide making study of stomata.

Learning Outcome : Students will understand the importance of Photosynthesis. And process of same.

Unit 2 17.03.2025 to 29.03.2025 (11)

Chapter : Ch-6 Life processes

Topics : Human digestive system,

Human Respiratory System

CPD : The presentation and videos of respiratory and digestive system organ systems in human

Art Integration :

1. Diagram drawing : Human Digestive and Respiratory system.
2. Activity of digestion of food.

Learning Outcomes : Students will appreciate the efficiency of organ systems and will learn about the methods to keep them healthy

Unit 3 02.04.2025 to 19.04.2025 (11)

Chapter : Ch-6 Life Processes

Topics : Excretion in humans Structure of Kidney and nephron

CPD :

1. The presentation and videos of excretory
2. Process of urine formation

Art Integration :

1. Diagram drawing of nephron and excretory system in human
2. Activity of process of urine formation

Learning Outcomes : Students will define the related terms. Analyze the methods to urine formation and practice keep kidneys healthy.

Unit 4 21.04.2025 to 03.05.2025 (11)

Chapter : Ch-6 Life Processes

Topics : Transportation in humans, Structure of heart, double circulation, Single circulation, Lymph, Blood clotting, Excretion in Humans.

CPD :

1. The presentation and videos of transport system organ systems in human
2. Activity of process of urine formation

Art Integration :

1. Diagram drawing : human circulatory system, Human Excretory system

2. Role play of circulation

Learning Outcomes : Students will define the related terms, Predict the possible outcome of process Draw the related flow charts and diagrams. Analyze the methods to keep them healthy.

Unit 5 **05.05.2025 to 16.05.2025** **(09)**

Chapter : **Ch-6 Life Processes**

Topics : Life Processes in plants

CPD : The presentation and videos of transport of various substances in plants.

Art Integration :

1. Diagram Xylem and phloem
2. Slide study of xylem and phloem

Learning Outcomes : Students will assess the efficiency of transport system in plants and differentiate the processes in plants and animals

Unit 6 **19.05.2025 to 30.05.2025** **(10)**

Chapter : **Ch-15 Our Environment**

Topics : Ecosystem, Food chain, Food web, Trophic levels, Energy Flow, Role of decomposers, Bio magnification

CPD :

1. Forum discussion and presentation
2. Story telling activity of ecosystem and its factors

Art Integration :

1. Preparation of art work to present topic
2. Weaving a story of food web and food chain

Learning Outcomes : Student to apply the knowledge to conserve the delicate balance of ecosystem.

Unit 7 **23.06.2025 to 05.07.2025** **(11)**

Chapter : **Ch-7 Control and Coordination**

Topics : Nervous control, Reflex action, Nervous system and its subdivisions, Structure of brain and neuron, Conduction of nerve impulse

CPD :

1. Study of brain by model
2. Activity of knee jerk response

Art Integration : Diagram: Human brain reflex arc

Learning Outcomes : Students will interpret the role of various parts of nervous system. Will be able to explain the conceptual questions based on the topic

Unit 8 **07.07.2025 to 18.07.2025** **(10)**

Chapter : **Ch-7 Control and Coordination**

Topics : Chemical coordination, Endocrine glands, Hormones and their characteristic, Plant coordination

CPD : Video presentation of action of Hormones in body, Nastic and phototropic movements in plants.

Art Integration :

1. Diagram: presence of various glands in humans
2. Study of nastic movement in Touch me not plant

Learning Outcomes : Students will understand the coordination in plants. And differentiate between plant and animal coordination.

Unit 9 & Rev. 21.07.2025 to 02.08.2025 **(11)**

Chapter : **Ch-8 How do organisms reproduce**

Topics : Reproduction, Need and types, DNA copying and consequences in case of error in DNA copying, Variation and its importance

CPD :

1. Study of DNA structure by Model
2. Video of DNA replication

Art Integration : Flow chart of DNA Duplication

Learning Outcomes : Students will evaluate and develop an understanding of variation and the reasons behind it.

Revision

Unit 10 **04.08.2025 to 22.08.2025** **(14)**

Chapter : **Ch-8 How do organisms reproduce**

Topics : Asexual reproduction methods Vegetative propagation

CPD :

1. Study of permanent slides to study the methods of reproduction
2. Video of asexual reproduction in Organisms.

Art Integration : Diagram of various modes of reproduction in organisms

Learning Outcomes : Students will appreciate the diversity in the living world. Understanding the different modes of reproduction

Unit 11 **25.08.2025 to 12.09.2025** **(15)**

Chapter : **Ch-8 How do organisms reproduce**

Topic : Sexual Reproduction in plants and animals

CPD : Videos of Relevant topics

Art Integration : Diagram of flowering plant

Learning Outcomes : Students will distinguish and identify the method of sexual reproduction in plants and animals and it's advantage over asexual mode of reproduction.

Unit 12 & Rev. 15.09.2025 to 29.09.2025 **(11)**

Chapter : **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

Art Integration :

1. Flow chart making
2. Monohybrid and dihybrid cross making

Learning Outcomes : Students will develop observational and calculation skills. They will be able to conclude and predict the result

Unit 13	03.10.2025 to 17.10.2025	(11)
Topic	: Revision	
Unit 14 & Rev.	24.10.2025 to 31.10.2025	(06)
Topic	: Revision	
EXAMINATION SCHEDULE :		
Periodic Asst.-1	28.04.2025 to 03.05.2025	
Topic	: Life process : Nutrition in plants and animals	
Periodic Asst.-2	05.07.2025 to 11.07.2025	
Topic	: Life process : Circulation and excretion in humans	
Half Yearly Exams	11.08.2025 to 25.08.2025	
Topic	: Life processes Control and coordination, Our Environment	
Periodic Asst.-3	06.10.2025 to 14.10.2025	
Topic	: Reproduction in organism : asexual Methods of production	
Pre-Board-1	17.11.2025 to 28.11.2025	
Topic	: Complete Syllabus	
Pre-Board-2	18.12.2025 to 12.01.2026	
Topic	: Complete Syllabus	

SOCIAL SCIENCE

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 the role that they can play towards this change.

Learning Objectives of Social Science :

- ❖ To focus on diverse forces and development that have shaped the history of the contemporary world.
- ❖ 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 urgent need for their conservation as well.

- ❖ To deal with the central theme of democratic politics emphasizing the role of conflict and resolution in the expansion and evolution of democratic principles.
- ❖ To illustrate the changing pattern of the economy through significant economic themes and institutions such as poverty, food security, globalization, money and banking system, and the role of the service sector.
- ❖ 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.

HISTORY / POLITICAL SCIENCE

Prescribed Books :

1. **Democratic Politics-II (Political Science) NCERT**
2. **India and the Contemporary World-II (History) NCERT**

Unit 1 **03.03.2025 to 15.03.2025** **(08)**

Political : Ch-1 Power Sharing

Learning Outcomes : After this student will be able to aware about the majoritarian policies of the Sri Lanka and the case of Belgium.

Art Integration/Activity : Debate on 'why power sharing is essential in democracy.'

Unit 2 **17.03.2025 to 29.03.2025** **(11)**

Political : Ch-2 Federalism

Learning Outcomes : After this student will be able to enhance their creativity by reflecting the mechanism power sharing between different levels of govt.

Art Integration/Activity :

Flow chart on Features of Federalism

Unit 3 **02.04.2025 to 19.04.2025** **(11)**

History : Ch-2 Nationalism in India

Learning Outcomes : After this student will be able to :

1. understand the contribution of a common men in the anticolonial movement in India. critically think about how the advent of
2. Gandhi turn around the political movement in India.

Art Integration/Activity :

1. Prepare the Time line Chart on nationalist movement of India including the important dates and events for the period 1914-1947.
2. Map Activity (as per CBSE list of map items)

Unit 4 **21.04.2025 to 03.05.2025** **(11)**

History : Ch-1 Nationalism in India

Learning Outcomes : After this student will be able to

1. Summarise the aspects of the First World War that triggered two defining movements (Khilafat & Non-cooperation Movement) in India.
2. Evaluate the effectiveness of the strategies applied by Gandhiji and other leaders in the Two movements.

Art Integration/Activity : World cafe/ Panel discussion/ debate using collaborative learning, to explore the diverse social groups and present it as a group.

Unit 5 **05.05.2025 to 16.05.2025** **(09)**

Political : Ch-1 Nationalism in Europe

Learning Outcomes : After this student will be able to :

1. Infer how the French Revolution had an impact on the European countries in the making of nation state.

2. Enumerate and evaluate the validity of the nature of the diverse social movements of the time.

Unit 6 19.05.2025 to 30.05.2025 (10)

History : Ch-1 Nationalism in Europe

Learning Outcomes : After this student will be able to :

1. Analyse and infer how the idea of nationalism emerged and led to the formation of nation states in Europe and elsewhere.
2. Illustrate that, the quest for imperialism triggered the First World War.

Art Integration/Activity :

1. Debate on written form or electronic media for information
2. Debate on written form or electronic media for information.
3. Case study on 19th century writers and books.

Unit 7 23.06.2025 to 05.07.2025 (11)

Political : Ch- Gender, Religion and caste

Learning Outcomes : After this student will be able to :

1. Enumerates how the differences in gender, religion and caste impact the practicing healthy or otherwise in a Democracy.
2. Analyses and infers how different expressions based on the differences in Gender,

Art Integration/Activity : Interactive session on 'Status of women in India after independence'.

Unit 8 07.07.2025 to 18.07.2025 (10)

Political : Ch- Gender, Religion and caste

Learning Outcomes : After this student will be able to Religion and Caste are healthy or unhealthy in a democracy.

Art Integration/Activity : Able to understand how diversities on gender, caste, religion politicized in democracy.

Unit 9 & Rev. 21.07.2025 to 02.08.2025 (11)

History : Ch-4 The Making of the Global World

Learning Outcomes : After this student will be able to Explore various aspects of how the world changed profoundly in the 19th century in terms of Economic, Political, Social, Cultural and technological areas.

Art Integration/Activity :

1. Summarise the changes that transformed the world in terms of economy, political, cultural and technological areas.
2. Depict the global interconnectedness from the Pre modern to the present day.

REVISION

History : Ch-4 The Making of the Global World

Learning Outcomes : Analyse the destructive impact of colonialism on the economy and the livelihoods of colonized people.

Art Integration/Activity : Enumerate the destructive impact of colonialism on the livelihood of colonized people.

Unit 10 04.08.2025 to 22.08.2025 (14)

History : Ch-7 Print, Media & Culture

Learning Outcomes : After this student will be able to :

1. Critically think about how the advent of print turn around the political consciousness across the globe.
2. Aware learners that the common mass of people was awakened by the growth of print culture

Art Integration/Activity :

1. Comment on the statement that the print revolution was not just a way of producing book but profound transformation of people.
2. Compare and contrast the old tradition of

hand written manuscripts versus the print technology.

3. Summarise the role of Print revolution and its impact on World & India's political, social and economic condition.

Unit 11 25.08.2025 to 12.09.2025 (15)

Political : Ch-7 Political Parties

Learning Outcomes : After this student will be able to :

1. Develop creativity by reflecting the contrasting features of democratic & non-democratic governance.
2. Critically understand why a democratic govt. is called legitimate & accountable.

Art Integration/Activity : Reads newspapers, watches video clippings to justify the contributions/non contributions made by national and regional political parties in successful functioning of Indian democracy.

Unit 12 & Rev. 15.09.2025 to 29.09.2025 (11)

Political : Ch-8 Outcomes of Democracy

Learning Outcomes : After this student will be able to comprehends the expected and actual outcomes of democracy in view of quality of government, economics wellbeing, in equality, social differences, conflict, freedom and dignity.

Art Integration/Activity : Case study to analyze and infers why sometimes the gap occur between expected outcome and actual outcome effects the success of Democracy.

Unit 13 03.10.2025 to 17.10.2025 (11)

Topic : Revision will be done for all important topics. Sample question papers will be given to be solved and discussed, class tests will be taken and pattern of questions will be discussed.

Unit 14 & Rev. 24.10.2025 to 31.10.2025 (06)**Topic** : Revision**EXAMINATION SCHEDULE :****Periodic Asst.-1 28.04.2025 to 03.05.2025****Topic** : Unit-1 and 2 & Map Work**Holiday Homework : 31.05.2025 to 21.06.2025****Topic** : Interdisciplinary project on the making of Global World**Periodic Asst.-2 05.07.2025 to 11.07.2025****Topic** : Unit-1, 2, 3 & Map Work**Half Yearly Exams 11.08.2025 to 25.08.2025****Topic** : Unit-1 to 9**Periodic Asst.-3 06.10.2025 to 14.10.2025****Pre-Board-1 17.11.2025 to 28.11.2025****Topic** : Unit-1 to 12**Subject Enrichment Activities (Final Asst.) 01.12.2025 to 03.12.2025****Topic** : Map work**Pre-Board-2 18.12.2025 to 12.01.2026****Topic** : Unit-1 to 12**GEOGRAPHY****Prescribed Book :****Contemporary India-II (NCERT)****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 the role that they can play towards this change.

Learning Objectives of Social Science :

- ❖ To focus on diverse forces and development that have shaped the history of the contemporary world.
- ❖ 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 urgent need for their conservation as well.

- ❖ To deal with the central theme of democratic politics emphasizing the role of conflict and resolution in the expansion and evolution of democratic principles.
- ❖ To illustrate the changing pattern of the economy through significant economic themes and institutions such as poverty, food security, globalization, money and banking system, and the role of the service sector.
- ❖ 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 03.03.2025 to 15.03.2025 (08)**Chapter : Ch-1 Resources and Development****Learning Outcomes :**

- ◆ Students will analyze the need to conserve the resources.
- ◆ They will examine the role of resource planning on India.

Art Integration : Debate on 'Why sustainable Development'**Unit 2 17.03.2025 to 29.03.2025 (11)****Chapter : Ch-1 Resources and Development****Learning Outcomes :** Students will comprehend the reasons for conservation of resources in India under sustainable development.**Art Integration :** Students will read the newspaper, articles / watch videos on deforestation and hold class discussion on practices/measures that can be taken to conserve soil in India.**Unit 3 02.04.2025 to 19.04.2025 (11)****Chapter : Ch-2 Forest and Wildlife Resources****Learning Outcomes :** They will examine the importance of wildlife and forests in maintaining the ecology for sustainable development.**Art Integration :** Class discussion on role of people in conservation of their environment in India.**Unit 4 21.04.2025 to 03.05.2025 (11)****Chapter : Ch- 3 Water Resources****Learning Outcomes :** Students will examine the reason for conservation of water resources in India.**Art Integration :** Students in groups will make a documentary on scarcity of water in India and best practices that can be followed to conserve the water in country.**Unit 5 05.05.2025 to 16.05.2025 (09)****Chapter : Ch-4 Water Resources****Learning Outcomes :** They will analyze and infer how the multipurpose projects are supporting the water requirement in India.**Unit 6 20.05.2024 to 31.05.2024 (09)****Chapter : Ch-4 Agriculture****Learning Outcomes :**

- ◆ Students will examine the role of agriculture in our society and economy.

Art Integration : Students will read the newspapers and organize a panel discussion on the challenges faced by the farming community in India.**Unit 7 23.06.2025 to 05.07.2025 (11)****Chapter : Ch-4 Agriculture****Learning Outcomes :** They comprehend different types of farming practices in India.

Unit 8 07.07.2025 to 18.07.2025 (10)
Chapter : Ch-5 Mineral and Energy
Resources
Learning Outcomes : Students will be able to comprehend the sustainable use and importance of minerals for human life and the economy
Art Integration : Students will be asked to use the flow chart to differentiate between conventional and non-conventional sources of energy.

Unit 9 & Rev. 21.07.2025 to 02.08.2025 (11)
Chapter : Ch-5 Mineral and Energy
Resources
Learning Outcomes : They will be able to distinguish between conventional and non-conventional sources of energy.

Unit 10 04.08.2025 to 22.08.2025 (14)
Chapter : Ch-6 Manufacturing Industries
Learning Outcomes : They will be able to trace importance of industries in development of economy of India
Art Integration : Class discussion on importance of manufacturing industries in Indian Economy

Unit 11 25.08.2025 to 12.09.2025 (15)
Chapter : Ch-6 Manufacturing Industries
Learning Outcomes : They will be able to trace importance of industries in development of economy of India

Unit 12 & Rev. 15.09.2025 to 29.09.2025 (11)
Topic : Lifelines of National Economy (Maps)
Learning Outcomes : Developing students' skills of locating a place on the given map of India.
Art Integration : Students will locate India's international airports and seaports on the map of India.

Unit 13 03.10.2025 to 17.10.2025 (11)
Topic : Revision will be done for all important topics. Sample question paper will be given to be solved and discussed, class test will be taken and pattern of questions will be discussed.

Unit 14 & Rev. 24.10.2025 to 31.10.2025 (06)
Topic : Revision
EXAMINATION SCHEDULE :
Periodic Asst.-1 28.04.2025 to 03.05.2025
Chapter : Unit- 1, 2
Holiday Homework : 31.05.2025 to 21.06.2025
Topic : Interdisciplinary project on the Lifelines of National Economy
Periodic Asst.-2 05.07.2025 to 11.07.2025
Chapter : Unit- 3, 4, 5
Half Yearly Exams 11.08.2025 to 25.08.2025
Chapter : Unit- 1 to 7
Periodic Asst.-3 06.10.2025 to 14.10.2025
Chapter : Unit- 6, 7, 8
Pre-Board-1 17.11.2025 to 28.11.2025
Chapter : Unit- 1 to 13
Subject Enrichment Activities (Final Asst.) 01.12.2025 to 03.12.2025
Chapter : Map Skills
Pre-Board-2 18.12.2025 to 12.01.2026
Chapter : Unit- 1 to 13

ECONOMICS

Prescribed Books : Understanding Economic Development (NCERT)

Unit 1 03.03.2025 to 15.03.2025 (08)
Chapter : Ch-1 Development
Learning Outcomes :
 1. Enumerate and examine the different processes involved in setting developmental Goals that help in nation building.

2. Analyse and infer how the per capita income depicts the economic condition of the nation.
3. Evaluate the development goals that have been set for the nation by the Planning commission of India-with specific reference to their efficacy, implemental strategies, relevance to current requirements of the nation.

Art Integration/Activity : Class discussion on the topic "Development for one may not be development for the others"

Unit 2 17.03.2025 to 29.03.2025 (11)
Chapter : Ch-1 Development

Learning outcomes :

1. Compare and contrast the per capita income of some countries and infer reasons for the variance
2. Analyses the multiple perspectives on the need of development.

Art Integration/Activities : Graphic organizer to compare the relation between HDI (Human Development Index) and PCI (Per Capita National Income)

Unit 3 02.04.2025 to 19.04.2025 (11)
Chapter : Ch-2 Sectors of Indian Economy

Learning outcomes :

1. Analyses and infer how the economic activities in different sectors contribute to the overall growth and development of the Indian economy
2. Propose solutions to identified problems in different sectors based on their understanding.

Art Integration : Data analysis of various sectors and their contribution in GDP (Gross Domestic Product) and NDP (Net Domestic Product).

Unit 4 21.04.2025 to 03.05.2025 (11)

Chapter : Ch-2 Sectors of Indian Economy

Learning outcomes :

1. Summarise how the organised and unorganised sectors are providing employment and the challenges faced by them.
2. Enumerates the role of unorganised sector in impacting PCI (Per Capita Income) currently and proposes suggestive steps to reduce the unorganised sector for more productive contributions to GDP.

Art Integration : Class discussion on the topic Ways to create more employment.

Unit 5 05.05.2025 to 16.05.2025 (09)

Chapter : Ch-2 Sectors of Indian Economy

Learning outcomes : Enumerates and infer the essential role of the Public and Private sectors.

Unit 6 19.05.2025 to 30.05.2025 (10)

Chapter : Ch-3 Money and Credit

Learning outcomes : Enumerate how money plays as a medium exchange in all transactions of goods and services since ancient times to the present times.

Art Integration/Activity : Timeline on Evolution of Money

Unit 7 23.06.2025 to 05.07.2025 (11)

Chapter : Ch-3 Money and Credit

Learning outcomes :

1. Analyse and infer various sources of Credit
2. Summarizes the significance and role of self help groups in the betterment of the economic condition of rural people/women.

Art Integration/Activity : Case Studies based on the topic Credit (Source, benefits and limitations)

Unit 8 07.07.2025 to 18.07.2025 (10)

Chapter : Ch-4 Globalisation

Learning outcomes : Enumerate the concept of globalization and its definition, evolution, and impact on the global economy.

Art Integration/Activity : Article Writing
"Globalisation and its impact on India"

Unit 9 & Rev. 21.07.2025 to 02.08.2025 (11)

Chapter : Ch-4 Globalisation

Learning outcomes : Evaluate the key role of the key major drivers of globalization and their role in shaping the global economic landscape in various countries

Unit 10 04.08.2025 to 22.08.2025 (14)

Chapter : Ch-4 Globalisation

Learning outcomes : Comprehend the significance of role of G20 and its significance in the light of India's present role.

Unit 11 25.08.2025 to 12.09.2025 (15)

Chapter : Ch-5 Consumer Rights

Topics : 'Consumer rights' to be done as project work

Learning outcomes : Gets familiarized with the rights and duties as a consumer and legal measures available to protect from being exploited in markets.

Art Integration :

Project work on Consumer Rights

Unit 12 & Rev. 15.09.2025 to 29.09.2025 (11)

Chapter : Ch-5 Consumer Rights

Topics : 'Consumer rights' to be done as project work

Learning outcomes : Gets familiarized with the rights and duties as a consumer; and legal measures available to protect from being exploited in markets.

Art Integration :

Project work on Consumer Rights

Unit 13 03.10.2025 to 17.10.2025 (11)

Topic : Revision will be done for all important topics. Sample question paper will be given to be solved and discussed, class test will be taken and pattern of questions will be discussed.

Unit 14 & Rev. 24.10.2025 to 31.10.2025 (06)

Topic : Revision

EXAMINATION SCHEDULE :

Periodic Asst.-1 28.04.2025 to 03.05.2025

Topic : Unit-1, 2

Holiday Homework : 31.05.2025 to 21.06.2025

Topic : Interdisciplinary project on the Lifelines of National Economy

Periodic Asst.-2 05.07.2025 to 11.07.2025

Topic : Unit-3, 4, 5

Half Yearly Exams 11.08.2025 to 25.08.2025

Topic : Unit-1 to 7

Periodic Asst.-3 06.10.2025 to 14.10.2025

Topic : Unit- 6, 7, 8

Pre-Board-1 18.11.2024 to 30.11.2024

Topic : Unit- 1 to 13

Subject Enrichment Activities (Final Asst.) 01.12.2025 to 03.12.2025

Topic : Consumer awareness

Pre-Board-2 18.12.2025 to 12.01.2026

Topic : Unit- 1 to 13

DATA SCIENCE

Prescribed Books :

Learning Outcomes :

The objective of this curriculum is to lay the foundation of Data Science, understanding how data is collected, analyzed and, how it can be used in solving problems and making decisions. It will also cover ethical issues with data including data governance and builds foundation for AI based

applications of data science.

Unit 1 03.03.2025 to 15.03.2025 (08)

Content : Use of statistics in Data Science

Activity :

- Calculate the average student height and weight for students in your classroom using spreadsheet.
- Draw a graph to represent Standard deviation

Unit 2 17.03.2025 to 29.03.2025 (11)

Content : Use of Statistics in Data Science

Activity :

- Calculate the average student height and weight for students in your classroom using spreadsheet.
- Draw a graph to represent Standard deviation

Unit 3 02.04.2025 to 19.04.2025 (11)

Content : Distributions in Data Science

Learning Outcomes : Consider that you have a food event in your residential society. Perform detailed analysis and interpret what should be the top five cuisines that most people in the society prefer for this event.

Unit 4 21.04.2025 to 03.05.2025 (11)

Content : Distributions in Data Science

Learning Outcomes : Consider that you have a food event in your residential society. Perform detailed analysis and interpret what should be the top five cuisines that most people in the society prefer for this event.

Unit 5 05.05.2025 to 16.05.2025 (09)

Content : Communication Skills-II

Learning Outcomes : PPT on communication skills and self management.

Unit 6 19.05.2025 to 30.05.2025 (10)

Content : Self-Management Skills- II

Learning Outcomes : PPT on communication skills and self management.

Unit 7 23.06.2025 to 05.07.2025 (11)

Content : Identifying Patterns

Learning Outcomes : Consider that your friend is planning to open a clothing store in your area. With the help of central limit theorem, determine what should be the type and collection of clothes that will sell better in your area.

Unit 8 07.07.2025 to 18.07.2025 (10)

Content : Data Merging

Learning Outcomes : Project on Z-score

Unit 9 & Rev. 21.07.2025 to 02.08.2025 (11)

Content : Data Merging

Learning Outcomes : Project on Z-score
Revision

Unit 10 04.08.2025 to 22.08.2025 (14)

Content : Ethics in Data Science

Learning Outcomes : Technique used to discard the confidential data collected from users while making an online transaction.

Unit 11 25.08.2025 to 12.09.2025 (15)

Content : Ethics in Data Science
& ICT Skills-II

Learning Outcomes : Report on data ethics
& Web document

Unit 12 & Rev. 15.09.2025 to 29.09.2025 (11)

Content : Entrepreneurial Skills-II

Learning Outcomes :
PPT on Entrepreneurial Skills.

Unit 13 03.10.2025 to 17.10.2025 (11)

Content : Green Skills-II

Learning Outcomes : PPT on and Green Skills.

Unit 14 & Rev. 24.10.2025 to 31.10.2025 (06)

Content : Revision

Holiday's Home work : Applied project consider that your friend is planning to open a clothing store in your area. With the help of central limit theorem, determine what should be the type and collection of clothes that will sell better in your area.

ARTIFICIAL INTELLIGENCE

Prescribed Books :

Learning Outcomes : Learners will be able to :

1. Identify and appreciate Artificial Intelligence and describe its applications in daily life.
2. Relate, apply and reflect on the Human-Machine Interactions to identify and interact with the three domains of AI: Data, Computer Vision and Natural Language Processing and Undergo assessment for analyzing their progress towards acquired AI-Readiness skills.
3. Imagine, examine and reflect on the skills required for futuristic job opportunities.
4. Unleash their imagination towards smart homes and build an interactive story around it.
5. Understand the impact of Artificial Intelligence on Sustainable Development Goals to develop responsible citizenship.

Unit 1 03.03.2025 to 15.03.2025 (08)

Topics : Revisiting AI Project Cycle & ethical Frameworks

Activity : ♦ Introducing AI, ML & DL.

♦ Introduction to AI Domains
(Data, CV & NLP)

Unit 2 17.03.2025 to 29.03.2025 (11)

Topics : Advanced Concepts of modelling in AI

Activity : ♦ Understanding Problem Scoping &
♦ Sustainable Development Goals, ANN

Unit 3 02.04.2025 to 19.04.2025 (11)

Topics : Advanced Concepts of modelling in AI

Activity : ♦ Introduction to Rule Based & Learning Based AI Approaches

<ul style="list-style-type: none">♦ Introduction to Supervised Unsupervised & Reinforcement Learning Models♦ Neural Networks			Activity : Coding	
Unit 4	21.04.2025 to 03.05.2025	(11)	Unit 12 & Rev. 15.09.2025 to 29.09.2025	(11)
Topics	: Evaluating Models		Topics : Advanced Python	
Activity	: Understand the role of evaluation in the development and implementation of AI systems.		Activity : Coding	
Unit 5	05.05.2025 to 16.05.2025	(09)	Unit 13	03.10.2025 to 17.10.2025 (11)
Topics	: Evaluating Models		Topic : Revision	
Activity	: Understand train test split method, Accuracy and error method		Unit 14 & Rev. 24.10.2025 to 31.10.2025	(06)
Unit 6	19.05.2025 to 30.05.2025	(10)	Topic : Revision	
Topics	: Employability Skills		ASSESSMENT SCHEDULE :	
Activity	: Understand about communication skills, Employability skills, ICT skills		Periodic Asst.-1 28.04.2025 to 03.05.2025	
Unit 7	23.06.2025 to 05.07.2025	(11)	Topic : Unit-I	
Topics	: Employability Skills		Periodic Asst.-2 05.07.2025 to 11.07.2025	
Activity	: Understanding about self-management skills and green skills		Topic : Unit-II, III, IV	
Unit 8	07.07.2025 to 18.07.2025	(10)	Half Yearly Exams 11.08.2025 to 25.08.2025	
Topics	: Statistical Data		Topic : Unit-I, II, III, IV	
Activity	: Define the concept of Statistical Data and its applications		Periodic Asst.-3 06.10.2025 to 14.10.2025	
Unit 9 & Rev.	21.07.2025 to 02.08.2025	(11)	Topic : Unit-V, VI	
Topics	: Statistical Data		Pre-Board-1 17.11.2025 to 28.11.2025	
Activity	: Define No code and low code AI		Topic : Unit-I - VII	
Revision	: Computer Vision		Subject Enrichment Activities (Final Asst.) 01.12.2025 to 03.12.2025	
Activity	: Understand the concept of CV Learning about image representation, Feature Extraction, Object Detection		Topic : Advanced Python	
Unit 10	04.08.2025 to 22.08.2025	(14)	Pre-Board-2 18.12.2025 to 12.01.2026	
Topics	: Natural Language Processing		Topic : Unit-I - VII	
Activity	: Normalization Techniques		Project :	
Unit 11	25.08.2025 to 12.09.2025	(15)	Topic : Student Portfolio	
Topics	: Advanced Python		Date : 31.10.2025	
			Activities : Unit Wise	
			Brainstorm on the ethical issues involved around the problem selected.	
			Foresee the kind of data required and the kind of analysis to be done.	
			Identify data requirements and find reliable sources to obtain relevant data.	
			Use various types of graphs to visualize acquired data.	
			Understand, create and implement the concept of Decision trees.	

Subject enrichment : Unit Wise

NLP-Wordtune (AI writing tool that rewrites, rephrases, and rewords your writing)

Activity ; Teachable machine to demonstrate Supervised Learning

<https://teachablemachine.withgoogle.com/>

Activity : Infinite Drum Machine to demonstrate Unsupervised learning

<https://experiments.withgoogle.com/ai/drum-machine/view/confusionMatrix>

Evaluation

Holiday home work :

Summer Vacation : 31.05.2025 - 21.06.2025

Exploring AI tools for achieving SDG

FINANCIAL MARKETS MANAGEMENT

Prescribed Book : Introduction to Financial Markets NSQF LEVEL-II (by CBSE)

Teaching Objectives :

The 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 entrepreneurial 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 understand regulatory requirements while working in financial markets

Unit 1 **03.03.2025 to 15.03.2025** **(08)**

Topic : Ch-Investment Basics
i. Different forms of money

Employability Skills :

Ch-1 Communication Skills-I

Art Integration :

1. Project - Investment
2. NLT Software (Function Key Accelerator)

Unit 2 **17.03.2025 to 29.03.2025** **(11)**

Topic : Ch-Securities
i. Evolution of money

Employability Skills :

Ch-1 Communication Skills-I

Art Integration :

1. Project –Nifty 50
2. NLT Software (Function Key Accelerator)

Unit 3 **02.04.2025 to 19.04.2025** **(11)**

Topic : Ch-Primary Market

Employability Skills :

Ch-2 Self-Management Skills-I

Art Integration :

1. Project - NSE
2. NLT Software (Function Key Accelerator)

Unit 4 **21.04.2025 to 03.05.2025** **(11)**

Topic : Ch-Secondary Market

Employability Skills :

Ch-2 Self-Management Skills-I

Art Integration :

1. Project –Securities Market
2. NLT Software (Function Key Accelerator)

Unit 5 **05.05.2025 to 16.05.2025** **(09)**

Topic : Ch-Secondary Market

Employability Skills : Ch-3 Information and Communication Technology Skills

Art Integration :

1. Project -GST

2. NLT Software (Function Key Accelerator)

Unit 6 **19.05.2025 to 30.05.2025** **(10)**

Topic : Ch-Derivatives

Employability Skills :

Ch-4 Entrepreneurial Skills-I

Art Integration :

NLT Software (Function Key Accelerator)

Unit 7 **23.06.2025 to 05.07.2025** **(11)**

Topic : Ch-Depository

Employability Skills :

Ch-4 Entrepreneurial Skills-I

Art Integration :

1. Project NSDL
2. NLT Software (Function Key Accelerator)

Unit 8 **07.07.2025 to 18.07.2025** **(10)**

Topic : Ch-Miscellaneous

Employability Skills : Ch-5 Green Skills-I

Art Integration :

NLT Software (Function Key Accelerator)

Unit 9 & Rev. **21.07.2025 to 02.08.2025** **(11)**

Topic : Ch-Miscellaneous

Employability Skills : Ch-5 Green Skills-I

Art Integration :

NLT Software (Function Key Accelerator)

Unit 10 **04.08.2025 to 22.08.2025** **(14)**

Topic : Ch-Concepts and modes of Analysis

Art Integration :

NLT Software (Function Key Accelerator)

Unit 11 **25.08.2025 to 12.09.2025** **(15)**

Topic : Ch-Ratio Analysis

Art Integration :

NLT Software (Function Key Accelerator)

Unit 12 & Rev. **15.09.2025 to 29.09.2025** **(11)**

Topic : Ch-Ratio Analysis

Art Integration :

NLT Software (Function Key Accelerator)

Unit 13 **03.10.2025 to 17.10.2025** **(11)**

Topic : Revision

Unit 14 & Rev. **24.10.2025 to 31.10.2025** **(06)**

Topic : Revision

EXAMINATION SCHEDULE :

Periodic Asst.-1 **28.04.2025 to 03.05.2025**

Topic : Ch 1 to 3

Periodic Asst.-2 **05.07.2025 to 11.07.2025**

Topic : Ch 4 to 6

Half Yearly Exams **11.08.2025 to 25.08.2025**

Topic : Ch-1 to 7

Periodic Asst.-3 **06.10.2025 to 14.10.2025**

Topic : Ch 8 to 10

Pre-Board-1 **17.11.2025 to 28.11.2025**

Topic : Ch-1 to 10

Subject Enrichment Activities (Final Asst.)

01.12.2025 to 03.12.2025

Pre-Board-2 **18.12.2025 to 12.01.2026**

Topic : Ch-1 to 10

MARKETING AND SALES (412)

Prescribed Book : NCERT/CBSE handouts

Objectives :

1. To understand the classical marketing perspectives and contrasts these with newer views from relational and service-based schools of marketing
2. To understand the dynamics of various environmental factors on marketing so as that students can think about a feasible marketing plan (precess)
3. To understand the utility of STP of marketing (i.e. Segmentation, Targeting, Positioning)
4. To have an elementary knowledge of marketing mix, consumer behavior, and other preliminary concepts and roles of marketing in society

<p>Unit 1 03.03.2025 to 15.03.2025 (08) Chapter : Employability Skills Learning Outcomes : After going through this unit, the student would be able to : Ch-1 Communication Skills</p> <p>Unit 2 17.03.2025 to 29.03.2025 (11) Chapter : Sales with other functions- Introduction of Marketing Mix Learning Outcomes : After going through this unit, the student would be able to : Session 1 : Product A. What are the types/tools of Marketing Mix B. To understand product as the first tool of marketing mix Session 2 : Price • Explain what is the meaning of price in context of one of the tools of marketing. Session 3 : Place A. Understand the meaning of place in context of one of the tools of marketing mix Session 4 : Promotion A. Able to understand the meaning of promotion in context of one of the tools of marketing. Art Integration : Activity : Power point presentation on the four tools of Marketing Mix</p> <p>Unit 3 02.04.2025 to 19.04.2025 (11) Chapter : Employability Skills Learning Outcomes : Self-Management skills</p> <p>Unit 4 21.04.2025 to 03.05.2025 (11) Chapter : Market Process Learning Outcomes : After going through this unit, the student would be able to : • Introduction • Concept of Market Segmentation • Bases for segmenting consumer markets • Understanding Segmentation • How is the segmentation done</p>	<p>• Requirements for Effective Segmentation Session 2 : Market Targeting • Evaluating the segment • Selecting the segment • Strategies of Market Targeting Art Integration : Activity 1 : • Pick up a product of your choice and identify the segment for that product • Make a Powerpoint presentation on market segmentation. Activity 2 : • Make a presentation on the concept of targeting the market • Choose a product or service of your choice and identify which strategy of targeting would you choose for that product or service.</p> <p>Unit 5 05.05.2025 to 16.05.2025 (09) Chapter : Sales Process Learning Outcomes : After going through this unit, the student would be able to : Session 1 : Prospecting • Introduction • What is prospect ? • Characteristics of a good prospect • Qualifying (or selecting) the prospects Session 2 : Planning the Approach (Pre Approach) • Planning the presentation (Pre-Approach) • Approach • Demonstration Session 3 : Objection and Handling Objections • Types of objections Session 4 : Closing the Sale • Introduction • Techniques of closing Sales Art Integration : Activity 1 : • Prepare a presentation on Process of selling</p>	<p>and present it in the class. • Role-playing in the class, wherein, some students act as prospective customers and some are asked to do Prospecting Activity 2 : • Role-playing in the class, wherein, some students act as prospective customers and some are asked to do Prospecting Activity 3 : • Visit to mall and let the students have a word with the salesperson and first hand experience of handling objections. • Role-playing in the class, wherein, some students are asked to raise objections and some are asked to handle them.</p> <p>Unit 6 19.05.2025 to 30.05.2025 (10) Chapter : Project Work And Employment skills Learning Outcomes : After going through this unit, the student would be able to : • Pamphlet making Employment skills • ICT skills Art Integration : Activity 1 : Pamphlet making on Marketing Mix</p> <p>Unit 7 23.06.2025 to 05.07.2025 (11) Chapter : Careers in Selling Learning Outcomes : After going through this unit, the student would be able to : Session 1 : Challenges in the selling career • Challenges : Pricing and Packaging Session 2 : Skills in Selling and their training • Skills in Selling and their training Session 3 : Roles of a sales person • Role of Sales person • Responsibilities of Sales person Session 4 After sales service • After sales services and techniques</p>
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- Why to provide After Sales Service ?

Art Integration :

Activity 1 : Role play enactment

Activity 2 : Enlist obligations and commitments of Salespersons.

Unit 8 07.07.2025 to 18.07.2025 (10)

Chapter : Entrepreneurial Skills

Learning Outcomes : After going through this unit, the student would be able to :

- Entrepreneurial Skills

Unit 9 & Rev. 21.07.2025 to 02.08.2025 (11)

Chapter : Activity & Revision

Learning Outcomes : After going through this unit, the student would be able to :

- Project file
- Revision

Art Integration : Activity 1 :

- Project on the topics given by CBSE

Unit 10 04.08.2025 to 22.08.2025 (14)

Chapter : Skills in Selling

Learning Outcomes : After going through this unit, the student would be able to :

Session 1 : Hard skill Soft skill

- Meaning and type of skills
- Distinguish between Hard and soft skill
- Perspective

Session 2 : Skills in Selling and their Training

- Need and objective
- Elements in the typical communication

Session 3 : Negotiation skill

- What is negotiation ?
- Effective negotiation skill

Art Integration :

Activity 1 :

- Make a Powwerpoint presentation of Hard skills and soft skill.
- Interactive Lecturer on negotiations skills.
- Arrange negotiating meetig between two

groups of students

- Observer the discussions of negotiating meeting.

Unit 11 25.08.2025 to 12.09.2025 (15)

Chapter : Employability Skills

Learning Outcomes :

- Green Skills
- PPT making

Art Integration :

Activity 1 : PPT on the topics given by CBSE

Unit 12 & Rev. 15.09.2025 to 29.09.2025 (11)

Chapter : Employability Skills

Learning Outcomes : After going through this unit, the student would be able to :

Session 4 :

- Influencing skill
- Meaning/How to work

Session 5 :

- Emotional quotient
- Meaning

Session 6 :

- Personal
- Grooming/Ethical behavior

Art Integration : Introductory activity

- Ask students on personal grooming and personal hygiene demonstration.
- Power point presentation
- List the code of condust developed by certain trade association

Unit 13 03.10.2025 to 17.10.2025 (11)

Topic : Revision

Unit 14 & Rev. 24.10.2025 to 31.10.2025 (06)

Topic : Revision

MULTI MEDIA (CODE 415)

Prescribed Book :

Learning Outcomes :

By the end of the course, students will be able to :

1. Communicate effectively and manage tasks efficiently.
2. Identify computer components and demonstrate basic computer skills.
3. Develop entrepreneurial and self management skills.
4. Understand green skills for sustainability.
5. Apply color theory, digital design, composition, and lighting principles.
6. Describe surfaces, materials, and 3D modeling fundamentals.
7. Demonstrate shading, texturing, and rendering techniques.
8. Utilize Photoshop for texturing and shadng.
9. Provide excellent customer service and manage client needs.
10. Analyze mass media's role and explore future media trends.

Unit 1 03.03.2025 to 15.03.2025 (08)

Topic : Identify the characteristics of the real-life surfaces

Activity : Real-life surfaces in the context of texturing

Unit 2 17.03.2025 to 29.03.2025 (11)

Topic : Demonstration of characteristics of real-life surfaces

Activity : Real-life surfaces in the context of texturing

Unit 3 02.04.2025 to 19.04.2025 (11)

Topic : Describe the various 3D surfaces and material

Activity : 3D surfaces and material in the context of texturing

Unit 4 21.04.2025 to 03.05.2025 (11) Topic : Identify the properties of the surface and material Activity : Properties of surfaces and material in the context of texturing Unit 5 05.05.2025 to 16.05.2025 (09) Topic : Identify the properties of the surface and material Activity : Explanation of the properties of material and their effect on texturing Unit 6 19.05.2025 to 30.05.2025 (10) Topic : Explain the effect of lighting conditions on surfaces Activity : Reaction of surfaces to varying lighting conditions Unit 7 23.06.2025 to 05.07.2025 (11) Topic : Identify surface shading properties Activity : Differentiation of colour and transparency, specular and reflection Unit 8 07.07.2025 to 18.07.2025 (10) Topic : Describe Maya material Activity : Explanation of the Maya material • Demonstration of double-side shaded surface, layer texture, and layer shader Unit 9 & Rev. 21.07.2025 to 02.08.2025 (11) Topic : Describe assigning and creating material Activity : Creation and assigning materials by the use of hyper shade in MAYA or 3Ds MAX REVISION 04.08.2025 to 08.08.2025 (05) Topic : Describe various texture maps. Describe shading network Activity : Demonstration on the use of texturing maps.	Demonstration of the use of the shading network in MAYA Unit 10 04.08.2025 to 22.08.2025 (14) Topic : Create color map Activity : Differentiation of pixels and resolution Demonstration of creating a diffuse map Unit 11 25.08.2025 to 12.09.2025 (15) Topic : Creating bump in MAYA map Use of desaturate command and high pass filter Activity : Demonstration of the process to desaturate and high-pass filter Unit 12 & Rev. 15.09.2025 to 29.09.2025 (11) Topic : Use of specular maps • Process of creating specular maps in Photoshop and MAYA • export the UV map to Adobe Photoshop and paint the Texture on UV map • Return to MAYA and observe the Texture on 3D objects Activity : Demonstration of texturing using hypershade • Assignment of separate material to a group of faces Unit 13 03.10.2025 to 17.10.2025 (11) Topic : Diffuse and opacity map, specular, reflection and glow map, hump, normal and displacement map Activity : Demonstration of the process of displacement, normal bump map, reflection, specular and glow map • Create textured and painted 3D object, like Pen, Pencil, Chair, House, Tree, Human Face, Human Body in MAYA	Unit 14 & Rev. 24.10.2025 to 31.10.2025 (06) Topic : Revision ASSESSMENT SCHEDULE : Periodic Asst.-1 28.04.2025 to 03.05.2025 Syllabus : Unit-I Periodic Asst.-2 05.07.2025 to 11.07.2025 Syllabus : Unit-II, III, IV Half Yearly Exams 11.08.2025 to 25.08.2025 Syllabus : Unit-I, II, III, IV Periodic Asst.-3 06.10.2025 to 14.10.2025 Syllabus : Unit-V, VI Pre-Board-1 17.11.2025 to 28.11.2025 Syllabus : Unit-I to VII Subject Enrichment Activities (Final Asst.) 01.12.2025 to 03.12.2025 Syllabus : Advanced Python Pre-Board-2 18.12.2025 to 12.01.2026 Syllabus : Unit-I to VII Topic : Project : 31.10.2025 Create textured and painted 3D objects, like Pen, Pencil, Chairs, Houses, Trees, Human Bodies in MAYA Activities : Unit Wise Students will model and texture a 3D object (pen, pencil, chair, house, tree, human face, or body) in Maya, applying UV mapping, shading, and lighting techniques to achieve a realistic result. This will enhance their skills in 3D modeling and texturing. Subject enrichment : Unit Wise In this activity, students will learn to identify surface properties and create materials in Maya. They will work with texture maps (color, bumps, specular, normal) and shading networks, using Photoshop to create specular maps. Students will also apply textures to UV maps and observe the results on 3D models, enhancing their skills in material creation and texture mapping. Holiday Homework : For homework, students will identify and describe
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three real-life surfaces. They will model an object in Maya, apply color and bump maps, and experiment with lighting. Then, they will create a texture in Photoshop, apply it in Maya, and add a specular map. The task should be submitted with a screenshot of the textured object and a brief description of the textures used.

LIFE SKILLS

Learning Objectives :

1. Learners to develop a diverse set of life skills, including self awareness, empathy, critical thinking, decision making and effective communication. Fostering their holistic personal growth, positive interpersonal relationship and the ability to navigate challenges in life.
2. Learners through sewa project will cultivate strong emotional and social skills, engaging in activities that nurture creative and critical thinking, fostering global awareness, sense of social responsibility and innate commitment to giving back to society.

Unit 1 **02.04.2025 to 19.04.2025** **(11)**

Topic : Self awareness

Description :

The ability to recognize and understand one's emotions, strengths, weaknesses, values and goals.

Learning Objectives :

Learners will develop a deeper understanding of their own identity, and aspirations fostering improved self esteem and self confidence.

Unit 2 **21.04.2025 to 03.05.2025** **(11)**

Topic : Self awareness

Description :

Encourage self reflection and personality. Self-

Awareness focuses on valuing oneself, including our personality, attributes, tastes and distastes.

Learning Objectives :

Students will be able to comprehend the amount of stress or pressure a person is in. It is important to develop self-awareness to eventually develop empathy, effective communication and interpersonal relationship along with an activity on self awareness.

Unit 3 **05.05.2025 to 16.05.2025** **(09)**

Topic : Growing up health and hygiene-
Myths and misconceptions about
STD's and HIV

Description :

Adolescence is a critical period during which significant physical, psychological and social changes occur. The suddenness and rapid pace with which the changes take place in the body and mind of adolescents, give rise to a number of issues. and how to cope with them.

Learning Objectives :

Students in this session learn about some myths and misconceptions associated with growing up changes in them during adolescence/puberty.

Unit 4 **23.06.2025 to 05.07.2025** **(11)**

Topic : Growing up health and hygiene-
Myths and misconceptions about
STD's and HIV

Description :

Being misinformed, they fall prey to myths and misconceptions which results in indulgence in high risk-Behaviours. The incidence of premarital pregnancy, sdex, crime, HIV/AIDS are increasing among adolescents due to lack of correct and useful information.

Learning Objectives :

Learner's will understand better through a Quiz.

Unit 5 **07.07.2025 to 18.07.2025** **(10)**

Topic : Empathy

Description :

Empathy is one of the major tools needed to form a positive relationship among our loved ones and our society.

Learning Objectives :

Learner's will have a drastically improved social interactions especially between multicultural individuals and societies.

Unit 6 **21.07.2025 to 02.08.2025** **(11)**

Topic : Empathy

Description :

The value of imaging one's life from their pecan be learned by empathy.

Learning Objectives :

The students will understand better by a case study.

Unit 7 **04.08.2025 to 22.08.2025** **(14)**

Topic : Mental health and substance use

Description :

Substance abuse and Alcoholism is a chronic progressive illness, which manifests itself as a disorder of behaviour. It is characterized by repeated and excessive drinking of alcoholic beverages. If not trated in time, an alcoholic can die of medical complications (mentioned below), accidents suicides.

Learning Objectives :

Student's come to an understanding that substance abuse and intoxication leads to problems that impose a huge cost to the society as it can come with risk of injury, crime, negative impact on educational achievement and health problems.

Unit 8 & Rev. 25.08.2025 to 12.09.2025 **(15)**

Topic : Mental health and substance use
and abuse

Description :

Treatment consists of detoxification, therapy, and

rehabilitation.

Learning Objectives :

Student's will learn deeply about abuse by a case study on addiction and treatment.

Unit 9 03.10.2025 to 17.10.2025 (11)

Topic : Interpersonal Relationships

Description :

Interpersonal Relationships help us to relate in positive ways while interacting with people and being able to make and keep friendly relationships that are of great importance for our mental and social well-being.

Learning Objectives :

Learner's will develop problem solving skills through interpersonal relationship dealing.

Unit 10 24.10.2025 to 07.11.2025 (11)

Topic : Effective communication

Description :

Effective Communication means that we are able to express ourselves, both verbally and non-verbally, in ways that are appropriate to our cultures and situations. This means being able to express opinions and desires, and also needs and fears. And, it would also mean being able to ask for advice and help in the time of need.

Learning Objectives :

Effective communication skills will enhance the student's decision making which helps us to deal constructively with decisions about our lives. It teaches people how to make decisions about their actions in relation to a healthy assessment of different options and what effects these different decisions are likely to have.

Unit 11 10.11.2025 to 21.11.2025 (11)

Topic : Coping with emotions

Description :

Coping with Emotions means recognizing emotions within us and others, being aware of how

emotions influence behaviour and being able to respond to emotions appropriately. Intense emotions like anger or sadness can have negative effects on our health if we don't respond to them appropriately.

Learning Objectives :

Learners will have an understanding about their emotions and how they have to cope up with them and develop an understanding about their psychological competence; build their self esteem and self-efficacy and nurture holistic development.

Unit 12 24.11.2025 to 05.12.2025 (11)

Topic : Coping with stress

Description :

Coping with stress means recognising the sources of stress in our lives, recognising how they affect us and how we act in a way that helps us control our levels of stress.

Learning Objectives :

Learner's will develop critical thinking abilities by learning to cope up with our stress, triggers, and our lifestyle.

Unit 13 08.12.2025 to 26.12.2025 (14)

Topic : Coping with stress

Description :

Getting aware about the stress levels and how they manage it

Learning Objectives :

Students will understand by a case study and discussion in class.

Unit 14 08.01.2026 to 31.01.2026 (17)

Topic : SEWA-Social empowerment through work, education and actions.

Description :

To murmur robust mental and social health in today's children is the central focus of the SEWA

projects. These initiatives aim to channelize children's mind into constructive activities, leveraging creative and critical thinking for positive outcomes. The overarching goal is to cultivate self-confidence and self-esteem in the young minds. Additionally, the program seeks to underscore the vital interdependence among all human beings and our reliance the environment in our user connected global village. Students are encouraged to recognize their responsibility towards the less privileged, those disadvantages, CWSN (Divyang), society, and the environment. The giving back to society is intended to become second nature to them.

Learning Objectives :

Learner's creative and critical thinking will be enhanced, which will improve self-confidence while also instilling a recognition of social responsibility, independence and work ethic.

Unit 15 & Rev. 02.02.2026 to 12.02.2026 (11)

Topic : Revision