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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 rowdiness 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.

**ASSESSMENT PATTERN FOR ACADEMIC YEAR 2020-21**  
**SCHOLASTIC ASSESSMENT**

The changes proposed for X (2020-21) are as under :

	Existing	Proposed
<b>Maximum marks per subject :</b>	100	No Change
<b>Type of assessment</b>	<ul style="list-style-type: none"> <li>• Internal Assessment</li> <li>• Year End Board Examination</li> <li>• School Based Assessment of Co-scholastic Areas (Art Education, Health and Physical Education Including Work Experience, Discipline)</li> </ul>	No Change
<b>Marks distribution</b>	Internal Assessment : Year End Board Examination 20:80	No Change

**Internal Assessment**

	Existing	Proposed
		Periodic Assessment
<b>Components of Internal Assessment</b>	Pen Paper Test	5 marks
	<b>Multiple Assessment</b> strategies to be used. (quizzes, oral test, concept map, exit cards, visual expression etc.)	5 marks
	<b>Portfolio</b> (Classwork plus peer assessment, self-assessment, achievements of student in the subject, reflections, narrations, journals etc.)	5 marks
	<b>Subject Enrichment</b> <ul style="list-style-type: none"> <li>• Social Science Project Work</li> <li>• No changes in other subjects</li> </ul>	5 marks

**Board Examination/Year-end Examination**

Board Examination	Existing	Proposed
<b>Marks</b>	<b>Marks 80</b>	<b>No change</b>
<b>Duration</b>	<b>3 hours</b>	<b>No change</b>
<b>Internal Choice</b>	<b>33%</b>	<b>No change</b>
<b>Components of Board examination paper</b>	Short Answer/ Long Answer (Objective as well as Subjective)	Objective type Including Multiple Choice Questions
		Subjective-number of questions will be reduced to enable student to have enough time to give analytical and creative responses.
		20 marks (25%) (This is already incorporated in 2019 Board Exams in many subjects)
		60 marks (75%)

**School Based Assessment of Co-scholastic Areas (Work Experience, Art Education, Health & Physical Education & Discipline)**

Assessment of Co-scholastic areas	Existing	Proposed
	<ul style="list-style-type: none"> <li>• Internally Assessed</li> <li>• On a 5-point scale</li> </ul>	No change

### 3. SCHEME OF STUDIES

#### 3.1 Subjects to be offered :

Class IX and X is an integrated course. Students need to take only those subjects in class IX which they intend to continue in Class-X. The subjects can be selected as per scheme studies in class IX. They need to continue same subjects in class X also. Subjects can be offered as under:

Subjects		Names of the subjects	Group
Compulsory	Subject-1	Language-I (Hindi Course A or Hindi Course B or English Language & Literature)	Group-L
	Subject-2	Language-II (Any one from the Group of Languages (Group-L) other than Language chosen at Subject-1)	Group-L
	Subject-3	Mathematics (Student has the option of selecting Standard or Basic Mathematics at AISSE (X Board examination) Syllabus shall remains the same. Refer Mathematics syllabus for details.	Group-A1
	Subject-4	Science	
	Subject-5	Social Science	
Optional	Subject-6	Skill subject* from the group of Skill subjects	Group-S
	Subject-7	Language-III / Any Academic subject other than opted above	Group-L/ Group-A2
Co-Scholastic Areas	Subject-8 and Subject-9 Assessment and certification at school level	Art Education Health & Physical Education Work Experience*	

\*Work experience is subsumed in Health and Physical Education

- a) The two levels of Examination will be held in the subject of Mathematics in the Board examination for Class X in the year 2020 and the same shall not be applicable to the internal assessment in class X. For details please refer Circular No. Acad 03/2019.
- b) If a student fails in any one of the three compulsory academic subjects (i.e. Science, Mathematics and Social Science) and passes in the Skill subject (offered as sixth optional subject), then that academic subject will be replaced by the Skill subject and the result of Class X Board examination will be computed accordingly.
- c) If a student fails in any language subject, out of first five subjects, the same will be replaced by the language taken as sixth subject ( in case of no skills subjects offered ) or as seventh subject (optional), provided he or she has passed this language subject and after replacement either Hindi or English remains as a passed language in the first five subjects.

- d) It is expected that all the students would have studied three languages up to class VIII. Those students who could not clear the third language in class VIII and have been promoted to class IX, shall be examined by the concerned schools at the end of Class IX in the same syllabus and textbooks as prescribed for class VIII. Those who are still unable to clear the third language at the end of class IX may be given another opportunity in class X. No student shall be eligible to appear in the Secondary School Examination of the Board at the end of class X unless she/he has passed in the third language.
- e) Either Hindi or English must be one of the two languages to be studied in class IX and X. Hindi and English can also be offered simultaneously. In Hindi, two courses have been provided for class IX and X keeping in view the varying backgrounds of the students and a student may either opt for Hindi A (Code 002) or Hindi B (Code 085).
- f) Students offering additional sixth skill subject may also offer an additional language III/subject as seventh subject.
- g) Computer Application (Code 165), Information Technology (Code 402) and Artificial Intelligence (code 417) cannot be taken together.
- h) For Skill subjects, only those subjects can be offered for which permission has been given by the Department of Skill Education, CBSE.
- i) Board is extending several exemptions/concessions to candidates with disabilities as defined in the "THE RIGHTS OF PERSONS WITH DISABILITIES ACT 2016". In this context, Please refer to time to time guidelines issued by CBSE.
- j) For Regional Languages, the Board prescribes the textbooks being followed in classes IX and X in the respective State Boards where the language is taught. Schools are also advised to bring to the notice of CBSE the changes, if any, brought out at the commencement of the academic session by the respective State Boards, in the textbooks of the language of their State. Schools are directed to strictly follow the textbooks prescribed by CBSE in its curriculum. **Changes, if any, can be adopted only after CBSE notifies it.**

**NOTE : You are requested to go through to see school curriculum 2019-20 for details at [cbse.nic.in/cbse.academic.in](http://cbse.nic.in/cbse.academic.in).**

### CO-SCHOLASTIC ASSESSMENT

In our endeavour to promote a holistic development of the students, inculcate good behaviour, sound values and foster unity and cooperation amongst them, they would be required to undertake the following activities.

(a) Art Education (b) Health & Physical Education (d) Discipline, Attendance, Attitude, Values

All the above mentioned activities will be graded internally on a '5' point grading scale i.e. A-E.

Activity	To be graded on a 5-point scale (A-E) in School	Areas and Objectives (as prescribed in the Scheme of Studies for Subjects of Internal Assessment)
Work Education Subsumed with HDE	By the concerned Teacher	Work education is a distinct curricular area for students for participation in social, economic and welfare activities. Student gets a sense of community service and develops self-reliance. (for Pre-Vocational Education as per Scheme of Studies)
Health & Physical Education (Sports / Martial Arts / Yoga / NCC / SEWA etc.)	By the PE Teacher	Health & Physical Activity preferably sports must be given a regular period. Students should be provided opportunities to get professionally trained in the area of their interest. Indigenous sports, yoga and NCC must be encouraged in the schools creating a sense of physical fitness, discipline, sportsmanship, patriotism, self-sacrifice and health care.

**Discipline (Attendance, Sincerity, Behaviour, Values) :** Discipline significantly impacts career shaping and it helps build character. Sincerity, good behavior and values develop strength and foster unity and co-operation. Therefore, the element of discipline has been introduced. Class Teacher will be responsible for grading the students on a Five-point scale (A-E).

**Assessment scheme for Vocational Subjects (under NSQF)**

	<b>Total 100 Marks (Syllabus for assessment will be only Class-X)</b>	
<b>Subject</b>	<b>Board Examination</b> Student has to secure 33% marks out of marks earmarked in each subject in the Board Examination covering 100% syllabus of the subject of class-X only.	<b>Internal Assessment</b> Student has to secure 33% marks out of the marks earmarked in each subject in the internal assessment.
<b>Dynamics of Retailing</b>	Board Class-X Examination for 50 marks	Practical Examination 50 marks
<b>Information Technology</b>	Board Class-X Examination for 50 marks	Practical Examination 50 marks
<b>Introduction to Financial Market</b>	Board Class-X Examination for 50 marks	Practical Examination 50 marks

**UNIT WISE DISTRIBUTION OF THE SYLLABUS (2020-21)****CLASS X**

Unit	Dates		No. of Days	
	From	To		
Unit 1	02.03.2020	13.03.2020	08	} (Block Teaching)
Unit 2	16.03.2020	27.03.2020	10	
Unit 3	30.03.2020	18.04.2020	13	
Unit 4	20.04.2020	01.05.2020	10	
Unit 5	04.05.2020	15.05.2020	09	
<b>Summer Vacation</b>	<b>18.05.2020</b>	<b>12.06.2020</b>		
Unit 6	15.05.2020	26.06.2020	10	(Block Teaching)
Unit 7	29.06.2020	10.07.2020	11	
Unit 8	13.07.2020	24.07.2020	10	
Unit 9 & Rev.	27.07.2020	07.08.2020	09	
Unit 10	24.08.2020	11.09.2020	15	
Unit 11	14.09.2020	25.09.2020	11	(Block Teaching)
Unit 12	28.09.2020	16.10.2020	15	
<b>Completion of Syllabus Friday, 16.10.2020</b>				
<b>Autumn Break</b>	<b>22.10.2020</b>	<b>25.10.2020</b>		
<b>Winter Break</b>	<b>25.12.2020</b>	<b>02.01.2021</b>		

**REVISION SCHEDULE :**

	Dates		No. of Days
	From	To	
Rev. for Pre-Board 1	19.10.2020	10.11.2020	15
Rev. for Pre-Board 2	08.12.2020	18.12.2020	09

**EXAMINATION SCHEDULE :**

Assessment	Dates		
	From	To	
Periodic Asst. 1	30.03.2020	04.05.2020	
Periodic Asst. 2	11.05.2020	27.07.2020	
MOCK TEST 1	10.08.2020	21.08.2020	
Pre-Board 1	12.11.2020	04.12.2020	<b>Tentative Dates :</b> 12.11.20, 18.11.20, 23.11.20, 27.11.20, 01.12.20 & 04.12.20
Pre-Board 2	22.12.2020	11.01.2021	

**Syllabus Completion : Friday, 16.10.2020****Blessing Ceremony : To be announced later.**



## ENGLISH LANGUAGE AND LITERATURE

### Prescribed Books :

1. First Flight : English Text
2. Footprints without Feet : English Suppl. 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      02.03.2020 to 13.03.2020      (08)**

LITERATURE : First Flight :

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

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

Grammar    : Parts of Speech, Tense

Writing      : Story Writing based on verbal and visual input

Footprints without Feet : 1. A Triumph of Surgery

Art Integration/Activities : First Flight :

PROSE :

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

POETRY :

1. Dust of Snow-Poetry 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

Writing      : Story Writing-Audio Visual Clips.

**Unit 2      16.03.2020 to 27.03.2020      (10)**

LITERATURE : First Flight

PROSE      : 3. Two Stories about Flying

a) His First Flight

b) The Black Aeroplane

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    : Use of Can/Could , Shall /Should, Will/Would, integrated exercise for error correction

Writing      : Letter to Editor, Article writing

Art Integration/Activities : First Flight :

PROSE :

- a) His First Flight-Draw Stages of a Bird's life
- b) The Black Aeroplane-Audio Visual aids on supernatural.

4. From the Diary of Anne Frank-Poetry 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 : Use of Can/Could, Shall/Should, Will/Would, integrated exercise for error correction-Role Play  
 Writing : Letter to Editor, Article writing-PPT, Audio Visual aids.

**Unit 3 30.03.2020 to 18.04.2020 (13)**  
 LITERATURE : First Flight  
 PROSE : 5. The Hundred Dresses I  
 6. The Hundred Dresses II  
 POETRY : 5. The Ball Poem  
 6. Amanda  
 Footprints without Feet : 3. The Midnight Visitor  
 Grammar : Usage of Prepositions: of, from, with, in, on, at, into, across, along, beside, between, among etc.  
 Writing : Letters of Enquiry and Placing Orders  
 Art Integration/Activities : First Flight  
 PROSE :

5. The Hundred Dresses I-Present Play highlighting different aspects of discrimination.  
 6. The Hundred Dresses II-Short movie making on World War II including interviews of the survivors.

POETRY :

5. The Ball Poem : Draw their most precious thing and write some lines about it. Describe the emotions attached.

6. Amanda-Game 'Let's Pretend'  
 Footprints without Feet : 3. The Midnight Visitor-View Video Clips of James Bond, compare him with Ausable's description.  
 Grammar : Usage of Prepositions-Let's Dictate, Scavenger hunt  
 Writing : Letters of Enquiry and Placing Orders-Let's Enact

**Unit 4 20.04.2020 to 01.05.2020 (10)**  
 LITERATURE : First Flight  
 PROSE : 7. Glimpses of India  
 POETRY : 7. Animals  
 Footprints without Feet : 4. A Question of Trust  
 Grammar : Usage of must, ought to, need to, have to, had to, and their negative forms.  
 Writing : Letter of Complaint  
 Art Integration/Activities : 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.

POETRY :

7. Animals-A dialogue between any of your favorite animal and you. (Cartoon Stripe)  
 Footprints without Feet : 4. A Question of Trust-Dramatization  
 Grammar : Usage of must, ought to, need to, have to, had to, and their negative forms.  
 Games like Can You Bingo, Should You Do That ? and On Location  
 Writing : Letter of Complaint-Let's Act

**Unit 5 04.05.2020 to 15.05.2020 (09)**  
 LITERATURE : First Flight

PROSE : 8. Mijbil the Otter  
 POETRY : 8. The Trees  
 Grammar : Determiners and conjunctions  
 Integrated grammar practices with all topics covered so far.  
 Art Integration/Activities : First Flight  
 PROSE :

8. Mijbil the Otter-present their views on any of the following :  
 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 conjunctions  
 Solve with pictures

**Unit 6 15.05.2020 to 26.06.2020 (10)**  
 Footprints without Feet : 5. Footprints without Feet  
 Writing Skills : Formal Letters, Story Writing (Revision)  
 Grammar : Integrated Grammar practice  
 Footprints without Feet : 5. Footprints without Feet – Mind Map

**Unit 7 29.06.2020 to 10.07.2020 (11)**  
 LITERATURE : First Flight  
 PROSE : 9. Madam Rides the Bus  
 POETRY : 9. Fog  
 Footprints without Feet : 6. The Making of a Scientist  
 Grammar : Voice, Subject Verb Accord  
 Writing : Article writing  
 Art Integration/Activities : First Flight  
 PROSE :

9. Madam Rides the Bus-Make a visual image of the little girl - Valli, Write of an alternative ending to the story.

POETRY :

9. Fog-To write a similar poem (5-6 lines), Describe an experience or scene.

Footprints without Feet : 6. The Making of a Scientist-Famous Biographies and Autobiographies (Paste Cover pages, Write a Bio-sketch of their idol)

Grammar : Voice, Subject Verb Accord-The dialogue game

Writing : Article writing – Poster on Burger Article

**Unit 8 13.07.2020 to 24.07.2020 (10)**

LITERATURE : First Flight

PROSE : 10. The Sermon at Benares

POETRY : 10. The Tale of Custard the Dragon

Footprints without Feet : 7. The Necklace

Grammar : Reported Speech: Statements, commands and requests, interrogative sentences.

Writing : Story Writing (Revision)

Art Integration/Activities : First Flight

PROSE :

10. The Sermon at Benares - Audio visual of some famous sermons to be watched and performed.

POETRY :

10. The Tale of Custard the Dragon - Analysis of the picture of a 'dragon', Draw pictures of a dragon and add features using imagination.

Footprints without Feet : 7. The Necklace-What are the things you consider essential for happiness ? Make a web chart.

**Unit 9 & Rev. 27.07.2020 to 07.08.2020 (09)**

LITERATURE : First Flight

PROSE : 11. The Proposal

POETRY : 11. For Anne Gregory

Footprints without Feet : 8. The Hack Driver

Grammar : Editing, Omission and Jumbled sentences

Writing : Formal Letter writing (Revision)

Art Integration/Activities : First Flight

PROSE : 11. The Proposal – Role Play

POETRY : 11. For Anne Gregory-Visual Depiction

Footprints without Feet : 8. The Hack Driver-Make a flow-chart of the lawyer's search for Oliver Lutkins.

**Unit 10 24.08.2020 to 11.09.2020 (15)**

LITERATURE :

Footprints without Feet : 9. Bholi

Grammar : Integrated grammar practice.

Writing : Revision of Writing Skills on

Current topics of social relevance.

Art Integration/Activities :

Footprints without Feet : 9. Bholi - Poster making : 'Education is the weapon to change the World'

**Unit 11 14.09.2020 to 25.09.2020 (11)**

LITERATURE :

Footprints without Feet : 10. The Book that Saved the Earth.

Practice : Grammar topics and Writing skills

Art Integration/Activities :

Footprints without Feet : 10. The Book that Saved the Earth. – Let's Sing and Dance (favorite nursery rhyme)

**Unit 12 28.09.2020 to 16.10.2020 (15)**

Topic : Revision

**EXAMINATION SCHEDULE :**

**Periodic Asst.-1 30.03.2020 to 04.05.2020**

Reading : Unseen comprehensions

Writing skills : Letter to the Editor, Story Writing, Article Writing

Grammar : Integrated Grammar, Editing, Omission, Jumbled Sentences, Fill ups

Literature : First Flight : Unit. 1 to 4

Footprints without Feet : Ch.1, 2

**Periodic Asst.-2 11.05.2020 to 27.07.2020**

Reading : Unseen comprehensions

Writing skills : Letter of Enquiry and placing orders, S Story Writing, Article Writing.

Grammar : Integrated Grammar, Editing, Omission, Jumbled Sentences, Fill ups

Literature : First Flight:Unit.5 to 8

Footprints without Feet : Ch. 1 to 5

**MOCK TEST-1 10.08.2020 to 21.08.2020**

Reading : Unseen Comprehensions

Writing skills : Formal Letters, Story Writing, Article Writing

Grammar : Integrated Grammar, Editing, Omission, Jumbled Sentences, Fill ups

Literature : First Flight : Unit. 1 to 8

Footprints without Feet : Ch.1 to 7

**Pre-Board-1 12.11.2020 to 04.12.2020**

Reading : Unseen Comprehensions

Writing skills : Formal Letters, Story Writing, Article Writing

Grammar : Integrated Grammar, Editing, Omission, Jumbled Sentences, Fill ups

Literature : First Flight : Unit. 1 to 11

Footprints without Feet : Ch.1to 10

**Pre-Board-2 22.12.2020 to 11.01.2021**

Reading : Unseen Comprehensions

Writing skills : Formal Letters, Story Writing,  
Article Writing  
Grammar : Integrated Grammar, Editing,  
Omission, Jumbled Sentences,  
Fill ups  
Literature : First Flight: Unit. 1 to 11  
Footprints without Feet : Ch. 1 to 10

## हिन्दी

प्रस्तावित पुस्तकें :

1. स्पर्श गद्य/काव्य भाग-2 एन.सी.ई.आर.टी
2. संचयन भाग-2 एन.सी.ई.आर.टी

हिन्दी भाषा-शिक्षण के उद्देश्य :

मानव समाज को विधाता की और से जो सबसे बड़ा वरदान मिला है, वह है भाषा। बिना भाषा माध्यम के हम इतने सुंदर उच्चकोटि साहित्य के सृजन में असमर्थ हैं। मानव किसी ना किसी भाषा को तो स्वतः अनुकरण द्वारा सीख ही जाता है, परन्तु भाषा का लेखन व उसके उच्च स्वरूप का ज्ञान उसे 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 02.03.2020 to 13.03.2020 (08)**

स्पर्श गद्य: : पाठ: 1 बड़े भाई साहब

स्पर्श काव्य: : पाठ: 1 साखी कबीर

व्याकरण: : पाठ: शब्द, पद, मुहावरे

अशुद्धि-शोधन,

रचनात्मक: : अनुच्छेद लेखन, पत्र लेखन, संवाद 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 16.03.2020 to 27.03.2020 (10)**

स्पर्श गद्य: : पाठ: 2. डायरी का एक पन्ना

स्पर्श काव्य: : पाठ: 1 साखी कबीर

व्याकरण: : पाठ: वाक्य-रचना, मुहावरे

संचयन : पाठ: 1 हरिहर काका

रचनात्मक: : पत्र लेखन, विज्ञापन लेखन, अपठित गद्यांश।

गतिविधि: :

1. देश-भक्ति की कविताओं व गीतों का संकलन व देश प्रेम पर चर्चा।
2. 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।
3. सामाजिक समस्याओं पर युवा पीढ़ी पर लेखनकार्य करवाना, तथा युवा पीढ़ी को देश की समस्याओं के प्रति जागरूक करना।

अधिगम के प्रतिफल :

1. छात्र/छात्राओं ने पाठ के माध्यम से गँधीजी के

<p>महत्त्वपूर्ण आंदोलनों व उनके देश से संबंधित कार्य और उनके योगदान के बारे में जाना। पाठ के माध्यम से पराधीनता व स्वाधीनता में अंतर जाना।</p> <p>2. छात्र/छात्राओं ने वृद्ध आश्रम जाकर जाना कि भारत में कितने प्रतिशत वृद्धजन किस कारण से वृद्ध आश्रम में रहने को मजबूर हैं।</p> <p>3. भारतीय कला-संस्कृति-सभ्यता के प्रति विद्यार्थी जागरूक हुए।</p> <p><b>Unit 3 30.03.2020 to 18.04.2020 (13)</b>  <b>स्पर्श काव्य:</b> : 2 मीरा के पद  <b>संचयन</b> : पाठ: 1 हरिहर काका  <b>व्याकरण:</b> : समास  <b>संचयन</b> : पाठ: पुनरावृत्ति  <b>रचनात्मक:</b> : पुनरावृत्ति  <b>गतिविधि:</b> : सूरदास के कोई दो पद कंठस्थ कीजिए और चार्ट पर चिपकाइए, कक्षा में गायन शैली में प्रस्तुत कीजिए।  <b>अधिगम के प्रतिफल :</b>  1. पढ़ाई के साथ-साथ गीतकंपन चिउ तपन हुई।  2. भक्ति काल के अनेक कवियों के बारे जाना।  3. सूरदास के पदों के बारे में जानने की जिज्ञासा उत्पन्न हुई।  4. घर में वृद्ध जनों का आदर व सेवा करना सीखा।</p> <p><b>Unit 4 20.04.2020 to 01.05.2020 (10)</b>  <b>स्पर्श गद्य:</b> : पाठ: 3 तैतारा वामीरो</p>	<p><b>स्पर्श काव्य:</b> : पाठ 4 तोप  <b>व्याकरण:</b> : समास, अशुद्धिशोधन, पद-परिचय  <b>संचयन</b> : पाठ: हरिहर काका  <b>रचनात्मक</b> : पत्र लेखन, चित्र वर्णन, अपठित काव्यांश, संवाद लेखन  <b>सामूहिक गतिविधि</b> : सामाजिक समस्या पर नुक्कड़ नाटक लिखिए। दिल्ली के ऐतिहासिक स्थानों का महत्त्व पर चर्चा व लेखन कार्य।  कोई दो लोक-कथाएँ चित्र सहित बनाइए।  <b>अधिगम के प्रतिफल :</b>  1. मंचीय कार्यक्रम हेतु विद्यार्थियों में वाक पटुता का विकास व आत्मविश्वास उत्पन्न हुआ।  2. भारतीय लोक-कथा, लोक-गीत व लोक-नृत्य के प्रति जानकारी बढ़ी।  3. अभिनय व प्रभावपूर्ण शैली में बोलने की कला विकसित होगी। चित्र खींचने की कला में निपुणता।</p> <p><b>Unit 5 04.05.2020 to 15.05.2020 (09)</b>  <b>स्पर्श गद्य:</b> पाठ: डायरी का एक पन्ना पुनरावृत्ति  <b>स्पर्श काव्य:</b> : पाठ 5 पर्वत प्रदेश में पावस  <b>व्याकरण:</b> : पुनराभ्यास  <b>संचयन</b> : पाठ: सपनों के से दिन  <b>रचनात्मक:</b> : पुनराभ्यास  <b>गतिविधि:</b> :  1. गाँधी जी द्वारा चलाए गए आंदोलनों के</p>	<p>विषय में विस्तार से जानकारी प्राप्त कर किन्हीं दो का नाटकीय मंचन तैयार कीजिए।</p> <p>2. 'मेरी पर्वतीय यात्रा' कक्षा में अपना अनुभव सुनाइए</p> <p>3. पहाड़ी इलाके का भ्रमण कीजिए व दर्शनीय स्थल की तस्वीरें खींचकर लगाइए।</p> <p><b>अधिगम के प्रतिफल :</b>  1. गाँधीजी के आदर्शों पर चलने हेतु प्रेरित हुए।  2. विश्वजाल की सहायता से अच्छे पर्वतीय-यात्रा में जाने वाले पर्वतारोहियों की सूची बनाई, जिससे उन्होंने शोध कार्य करने की क्षमता विकसित हुई।</p> <p><b>Unit 6 15.05.2020 to 26.06.2020 (10)</b>  <b>स्पर्श गद्य:</b> : पाठ: 6 अब कहाँ दूसरों के दुख से दुखी होने वाले  <b>स्पर्श काव्य:</b> : मनुष्यता  <b>व्याकरण:</b> : पुनराभ्यास  <b>संचयन</b> : पाठ 2 सपनों के से दिन  <b>रचनात्मक:</b> : पत्र लेखन, संवाद लेखन, चित्र वर्णन, सूचना लेखन  <b>गतिविधि</b> :  1. इतिहास से संबंधित महान व्यक्तित्व के स्वामी रहे परोपकारी व्यक्तियों के बारे में पढ़कर कक्षा में सामूहिक चर्चा कीजिए।  2. पढ़े हुए पाठों के सार याद कीजिए व महत्त्वपूर्ण पंक्तियाँ याद कीजिए।  3. महान व्यक्तियों के प्रेरक प्रसंग पढ़िए व किसी एक के बारे में कक्षा में सामूहिक चर्चा कीजिए।</p>
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<p>4. अपने बचपन की कोई सीख देने वाली बात कक्षा में बताइए ।</p> <p>अधिगम के प्रतिफल :</p> <p>1. वर्तमान समय में दूसरों के प्रति संवेदनशीलता, दुख-सुख समझने की अनुभूति उत्पन्न हुई ।</p> <p>2. पुस्तकालय व महापुरुषों की पुस्तकों के प्रति व 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 29.06.2020 to 10.07.2020 (11)</p> <p>स्पर्श गद्य: : पाठ: 6. अब कहाँ दूसरों के दुख से दुखी होने वाले</p> <p>स्पर्श काव्य: : मनुष्यता</p> <p>परीक्षा हेतु पुनराभ्यास</p> <p>गतिविधि : महात्मा बुद्ध, वीर कर्ण, सरस्वती देवी के बारे में जानकारी एकत्रित कर उत्तर-पुस्तिका में सचित्र चिपकाइए । श्रवण कौशल परीक्षा ।</p> <p>अधिगम के प्रतिफल :</p> <p>1. अपने मनपसंद आदर्श व्यक्तियों की पी.पी.टी. बनाई जिससे उनके अंदर बौद्धिक व काल्पनिक शक्ति का विकास हुआ ।</p> <p>2. कोलार्ज बनाने के लिए रचनात्मक प्रतिभा का विकास हुआ ।</p> <p>3. ध्यानपूर्वक सुनने की क्षमता का विकास, एकाग्रता</p>	<p>की भावना का विकास ।</p> <p>Unit 8 13.07.2020 to 24.07.2020 (10)</p> <p>स्पर्श गद्य: : पाठ: 7 पतझर में टूटी पत्तियाँ</p> <p>स्पर्श काव्य: : मनुष्यता</p> <p>व्याकरण: : मुहावरे, अशुद्धि शोधन</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, संवाद लेखन, चित्र वर्णन, सूचना लेखन परीक्षा हेतु पुनराभ्यास</p> <p>गतिविधि :</p> <p>1. महात्मा गाँधी के जीवन से संबंधित किसी एकांकी का मंचन कीजिए ।</p> <p>2. जापानियों के लोक-व्यवहार को उजागर करने वाले किसी प्रसंग पर मूक अभिनय कीजिए ।</p> <p>3. पंजाबी साहित्यकारों व लेखकों के विषय में सचित्र परियोजना बनाइए ।</p> <p>4. गाँधी जी के किस आदर्श से आप अधिक प्रभावित हैं ? और क्यों ?</p> <p>अधिगम के प्रतिफल :</p> <p>1. लेखन, वाचन, आपसी सहयोग, प्रेम, एकता की भावना विकसित हुई ।</p> <p>2. विभिन्न भाषाओं के प्रति प्रेम व उनके बारे में जानने की इच्छा उत्पन्न हुई ।</p>	<p>3. मनपसंद लेखक के बारे में जानने की उत्सुकता से शब्द भंडार समृद्ध हुआ ।</p> <p>4. अपनी प्रतिदिन की दिनचर्या लिखिए-अपनी बचपन की फोटो के साथ अपने सुखद अनुभवों के आभास से सुखद व दुखद अनुभूति अनुभव करने की क्षमता का विकास ।</p> <p>Unit 9 &amp; Rev. 27.07.2020 to 07.08.2020 (09)</p> <p>स्पर्श गद्य: : पाठ: 8 कारतूस</p> <p>स्पर्श काव्य: : कर चले हम हिंदा</p> <p>व्याकरण: : संधि, अशुद्धि शोधन, विराम चिह्न</p> <p>स्पर्श गद्य: : पाठ: पुनरावृत्ति</p> <p>स्पर्श काव्य: : पाठ पुनरावृत्ति</p> <p>व्याकरण: : पाठ: पुनरावृत्ति</p> <p>संचयन : पाठ: पुनरावृत्ति</p> <p>रचनात्मक: : पुनरावृत्ति</p> <p>गतिविधि: :</p> <p>1. सूचना लेखन, परोपकारी व्यक्तियों के नाम, अंतोन चेखव के नाटकों का नाटकीकरण</p> <p>2. रोबिनहुड के कारनामों पढ़कर वजीर अली से तुलना कीजिए ।</p> <p>3. हकीकत फिल्म देखकर अपने प्रतिक्रिया व्यक्त कीजिए ।</p> <p>अधिगम के प्रतिफल : जीवन में नीडर, साहसी, स्वावलंबी बनने की प्रतिभा का जन्म लेना ।</p> <p>Unit 10 24.08.2020 to 11.09.2020 (15)</p> <p>संचयन : पाठ 3 टोपी शुक्ला</p>
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<p>रचनात्मक: : अनुच्छेद लेखन सूचना लेखन स्पर्श काव्य: : आत्मत्राण क्रियाकलाप :</p> <p>1. 'मज़हब नहीं सिखाता आपस में बैर रखना' विषय पर आशु-भाषण प्रतियोगिता आयोजित कीजिए । 2. किसी ऐसी घटना का वर्णन करें, जिसमें गहन संकट के समय छात्र ने अपनी बुद्धि/शक्ति से संकट की घड़ी को दूर किया हो । 'किशोरवस्था की मित्रता के प्रति माता-पिता का दृष्टिकोण' पर अपने विचार लिखिए ।</p> <p>अधिगम के प्रतिफल :</p> <p>1. मित्र के गुणों को अनुभव करना, आपसी विचारों की कला का समायोजन । 2. रचनात्मक लेखन द्वारा अपनी विचारधारा को प्रस्तुत करने की क्षमता का विकास । 3. ईश्वर से सच्ची प्रार्थना करना सीखा । निस्वार्थ भाव से भक्ति करना सीखा ।</p> <p>Unit 11 14.09.2020 to 25.09.2020 (11) स्पर्श गद्य: : पाठ: 7 पतझर में टूटी पत्तियाँ पुनरावृत्ति स्पर्श काव्य: : बिहारी के दोहे व्याकरण : मुहावरे, अशुद्धि शोधन, संचयन : पाठ 2 सपनों के से दिन पुनरावृत्ति रचनात्मक: : अनुच्छेद लेखन, अपठित काव्यांश, विज्ञापन लेखन ।</p>	<p>गतिविधि : 1. नवरस के बारे में जानकर एक-एक काव्यांश सभी रसों से संबंधित लिखिए । 2. श्रृंगार रस के बारे में पुस्तकालय से पुस्तक जमा करवाकर जानकारी प्राप्त कीजिए व पाँच दोहे लिखिए ।</p> <p>अधिगम के प्रतिफल : 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> <p>Unit 12 28.09.2020 to 16.10.2020 (15) स्पर्श गद्य: : पाठ: 8. कारतूस स्पर्श काव्य: : कर चले हम फिदा, आत्मत्राण व्याकरण: : अशुद्धिशोधन, विराम चिहन् संचयन : पाठ 3. टोपी शुक्ला रचनात्मक: : अनुच्छेद लेखन सूचना लेखन क्रियाकलाप : भक्ति पद कक्षा में गाकर सुनाइए । गतिविधि : प्रेरक प्रसंग एकत्रित कीजिए । श्रवण कौशल परीक्षा गतिविधि : साहसी वीरों की सूची बनाइए, जिन्होंने अंग्रेजी सरकार के सामने घुटने नहीं टेके । अधिगम के प्रतिफल : देशभक्ति की भावना का विकास । ईश्वर की सच्ची प्रार्थना को समझने अपनी बात को दूसरों से कहने में सक्षम होना ।</p>	<p>अपने अधिकार के लिए लड़ने का साहस उत्पन्न होना । सच्चे मित्र की परख करने का की क्षमता का विकास ।</p> <p>EXAMINATION SCHEDULE : Periodic Asst.-1 30.03.2020 to 04.05.2020 स्पर्श गद्य: : पाठ: 1, 2 स्पर्श काव्य: : पाठ 1 व्याकरण: : मुहावरे शब्द और पद में अंतर, अशुद्धि-शोधन संचयन : पाठ 1 रचनात्मक: : संवाद लेखन, चित्र वर्णन, अपठित काव्यांश, अपठित गद्यांश, सूचना लेखन, पत्र लेखन गतिविधि: : दोहा गायन । Periodic Asst.-2 11.05.2020 to 27.07.2020 स्पर्श गद्य: : पाठ: 3, 4 स्पर्श काव्य: : पाठ पर्वत प्रदेश में पावस, तोप व्याकरण: : वाक्य रचना, समास संचयन : पाठ 1 रचनात्मक: : अनुच्छेद लेखन संवाद लेखन, विज्ञापन लेखन, अपठित काव्यांश, अपठित गद्यांश, सूचना लेखन । रचनात्मक: : पत्र लेखन चित्र लेखन पाठन: : अपठित गद्यांश गतिविधि: : 1. देश प्रेम पर चर्चा । 2. प्रेमचन्द की एक अन्य कहानी पढ़कर उसका</p>
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सारांश लिखिए व कक्षा में सुनाइए ।  
**MOCK TEST-1 10.08.2020 to 21.08.2020**  
 स्पर्श काव्य: : पाठ 1, 2, 3, 4, 5  
 व्याकरण: : मुहावरे शब्द और पद में अंतर,  
 वाक्य रचना, समास, शुद्ध-अशुद्ध  
 संचयन : पाठ 1  
 रचनात्मक: : अनुच्छेद लेखन, पत्र लेखन, चित्र  
 लेखन, संवाद व विज्ञापन लेखन,  
 सूचना लेखन ।  
 पाठन: : अपठित गद्यांश व पद्यांश  
**Pre-Board-1 12.11.2020 to 04.12.2020**  
 पाठ्यक्रम : संपूर्ण पाठ्यक्रम  
**Pre-Board-2 22.12.2020 to 11.01.2021**  
 पाठ्यक्रम : संपूर्ण पाठ्यक्रम

## संस्कृत

प्रस्तावित पुस्तकें :

1. शोमुशी भाग-2 एन.सी.ई.आर.टी.
  2. अभ्यासवानभव भाग-2 एन.सी.ई.आर.टी
- Unit 1 02.03.2020 to 13.03.2020 (08)**  
 शोमुशी : पाठ: 1 सूचिपर्यावरणम्  
 व्याकरणम् : पाठ: 1 सन्धि: ।  
 रचनात्मक लेखनम् : अपठितगद्यांशम् ।  
 शिक्षण प्रतिफल : प्रकृति के स्वरूप व महत्त्व से परिचित होकर विद्यार्थी प्रकृति की रक्षा का संकल्प

लेंगे । मानव जाति के संरक्षण हेतु प्रकृति की रक्षा आवश्यक है ।

क्रियाकलाप : पर्यावरणम् इतिविशये वार्तालाप:  
**Unit 2 16.03.2020 to 27.03.2020 (10)**  
 शोमुशी : पाठ: 2 बुद्धिर्बलवती सदासंस्कृत  
 व्याकरणम् : पाठ: 2 समास: ।

रचनात्मक लेखनम् : संवादलेखनम् ।  
 शिक्षण प्रतिफल : बुद्धि बहुत बलशाली होती है । छात्रों को बुद्धि बल से परिचित करवाया जाएगा । बुद्धि की शक्ति को विकसित करना । बौद्धिकबल से विपत्तियाँ दूर करना ।

क्रियाकलाप : कन्याया: महत्त्वम् इति विषये  
 अनुच्छेद: ।

**Unit 3 30.03.2020 to 18.04.2020 (13)**  
 शोमुशी : पाठ: 3 व्यायाम: सर्वदापथ्य: ।  
 व्याकरणम् : पाठ: 3 प्रत्यया: ।

रचनात्मक लेखनम् : पत्रलेखनम् ।  
 शिक्षण प्रतिफल : व्यायाम से तन, मन एवं बुद्धि की शुद्धता पर बल देना । सुपाच्य भोजन व शारीरक सौष्ठव प्राप्त करना । सामर्थ्य से अधिक व्यायाम करने से बचना ।

क्रियाकलाप : करणीय व्यायामों की सूची निर्माण ।  
 व्यायामस्य महत्त्वम् पन्चवाक्यरचना ।

**Unit 4 20.04.2020 to 01.05.2020 (10)**  
 शोमुशी : पाठ: 4 शिशु लालनम्  
 व्याकरणम् : पाठ: 4 वाच्य प्रकरणम् ।

रचनात्मक लेखनम् : चित्रवर्णनम् ।

शिक्षण प्रतिफल : माता-पिता का महत्त्व बताना तथा बच्चों के लिए माता पिता प्राण की तरह होते हैं इस तथ्य से अवगत कराना, पति पत्नी के जीवन में विश्वास एवं प्रेम का महत्त्व बताना, स्त्री व पुरुषको आत्म केन्द्रित नहीं होना चाहिए ।

क्रियाकलाप : माता पिता का अपने बालकों के प्रति कर्तव्य । इतिविशये संस्कृते वाक्य रचना ।

**Unit 5 04.05.2020 to 15.05.2020 (09)**  
 शोमुशी : पाठ: 5 जननी तुल्य वत्सला संस्कृत  
 व्याकरणम् : पाठ: 5 अव्ययप्रकरणम् ।

रचनात्मक लेखनम् : चित्रवर्णनम् ।

शिक्षण प्रतिफल : माँ की ममता का महत्त्व बताना तथा माँ के आशीर्वाद के बिना जगत् दुखमय होता है यह तथ्य बताना, बच्चे के बिना माँ की स्थिति व बच्चे के सुख दुख ही माँ-बाप के सुख दुख होते हैं, इसे समझाना ।

क्रियाकलाप : माता की पुत्रों के प्रति वात्सल्य भावना इस विषय पर पाँच संस्कृत वाक्य रचना ।

**Unit 6 15.05.2020 to 26.06.2020 (10)**  
 शोमुशी : पाठ: 6 सुभाषितानि ।  
 व्याकरणम् : पाठ: 6 समय: प्रकरणम् ।

रचनात्मक लेखनम् : चित्रवर्णनम् ।

शिक्षण प्रतिफल : कवियों के माध्यम से मानव जीवन का महत्त्व बताना, परिश्रम एवं गुणों के महत्त्वको समझाना, क्रोध न करते हुए सत्य के आचरण पर बल



<p>देना, सुख-दुख को बराबर समझना ।  क्रियाकलाप : श्लोकगायनम्  <b>Unit 7</b> 29.06.2020 to 10.07.2020 (11)  शेमुशी : पाठ: 7 सौहार्द प्रकृते: शोभा  व्याकरणम् : पाठ: 7 संख्या प्रकरणम् ।  रचनात्मक लेखनम् : चित्रवर्णनम् ।  शिक्षण प्रतिफल : प्रकृति की उपयोगिता एवं सुन्दरता का वर्णन करना । सभी जीव एक दूसरे परनिर्भर हैं । प्रकृति माँ के स्नेह का महत्त्व बताना ।  क्रियाकलाप : प्रकृति की रक्षा हेतु करणीय कार्यों की सूची संस्कृत में बनाना ।  <b>Unit 8</b> 13.07.2020 to 24.07.2020 (10)  शेमुशी : पाठ: 8 विचित्र: शाक्षी  व्याकरणम् : पाठ: 8 संशोधनकार्यम् वाक्ये ।  रचनात्मक लेखनम् : संस्कृत अनुवाद कार्यम् ।  शिक्षण प्रतिफल : न्याय की सूक्ष्मता एवं न्यायाधीश की बुद्धिमत्ता को समझना, न्याय के महत्त्व का मानव जीवन पर असर समझाना, उचित न्याय के महत्त्व को समझाना, सामान्य जनता में न्याय के प्रति श्रद्धा भाव जाग्रत करना ।  क्रियाकलाप : भारते न्याय व्यवस्था-इति विषये वाक्य रचना ।  <b>Unit 9 &amp; Rev.</b> 27.07.2020 to 07.08.2020 (09)  शेमुशी : पाठ: 9 सूक्तयः ।  व्याकरणम् : पाठ: 7 अव्ययपदानि । पुनरावृत्ति:  रचनात्मक लेखनम् : अपठितगद्यांशम् ।  शिक्षण प्रतिफल : कवि तिरुवल्लुवर की शिक्षाओं से परिचित कराना, माता-पिता के त्याग से अवगत</p>	<p>कराना, विवेक को अपनाना बड़ों की सेवा तथा उत्तम आचरण अपनाना ।  क्रियाकलाप : सूक्तियों को वाक्य में प्रयोग करना । अर्थ कथन ।  <b>Unit 10</b> 24.08.2020 to 11.09.2020 (15)  शेमुशी : पाठ: 10 भूकम्पविभीषिका ।  व्याकरणम् : पाठ: 8 संख्या: पुनरावृत्ति: ।  रचनात्मक लेखनम् : संवादलेखनम् ।  शिक्षण प्रतिफल : धरती को हरी भरी रखने की प्रेरणा देना, उजड़ी धरती भूकम्प लाती है यह समझाना, प्रकृति के प्रति प्रेम जाग्रत करना, स्वार्थ के कारण प्रकृति से अन्याय न करने की सीख ।  क्रियाकलाप : अपठितगद्यांश निर्माणम् ।  <b>Unit 11</b> 14.09.2020 to 25.09.2020 (11)  शेमुशी : पाठ: 11 प्राणेभ्योऽपि प्रियः सुहृद ।  व्याकरणम् : पाठ: 9 अशुद्धि-संशोधनम् पुनरावृत्ति: ।  रचनात्मक लेखनम् : पत्रलेखनम् ।  शिक्षण प्रतिफल : मित्र के महत्त्व को बताना, जीवन में सच्चे मित्रक इस वीच्ये स्थानहैइ सत थ्यसेअ वगत करवाना, कभी भी मित्र को न छोड़ें ।  क्रियाकलाप : मम मित्रम्-इति विषये अनुच्छेद लेखनम् ।  <b>Unit 12</b> 28.09.2020 to 16.10.2020 (15)  शेमुशी : पाठ: 12 अन्योक्तयः ।  व्याकरणम् : पाठ: 10 प्रत्ययाः ।  रचनात्मक लेखनम् : चित्रवर्णनम् ।</p>	<p>शिक्षण प्रतिफल : जीवन के सुखों से परिचित करवाना, सामान्य गुणों को छोड़कर विशेष गुणों को अपनाने की शिक्षा देना, सम्मान करने की प्रेरणा देना ।  क्रियाकलाप : अभ्यासप्रश्नपत्रस्यनिर्माणम् ।  <b>EXAMINATION SCHEDULE :</b>  <b>Periodic Asst.-1</b> 30.03.2020 to 04.05.2020  शेमुशी : पाठ 1, 2 शुचिपर्यावरणम्, गुणवती कन्या ।  व्याकरणम् : सन्धिः, समासः  रचनात्मक-पत्रलेखनम्, चित्रवर्णनम् ।  <b>Periodic Asst.-2</b> 11.05.2020 to 27.07.2020  शेमुशी : पाठ 3, 4 शिशु लालनम्, व्यायामः सर्वदा पथ्यः ।  व्याकरणम् : प्रत्ययाः, वाच्यप्रकरणम् ।  रचनात्मक : अनुवादकार्यम्, अपठितगद्यांशम् ।  <b>MOCK TEST-1</b> 10.08.2020 to 21.08.2020  खण्ड क-अपठित अवबोधनम्, खण्ड ख-पत्र लेखनम्, संवाद लेखनम्, चित्रधारित वर्णनम्, हिन्दीतः संस्कृते अनुवादः । खण्ड ग-सन्धिः, समासः संख्यालेखनम्, अशुद्धिःसंशोधनम्, अव्ययाः, समयलेखनम् । खण्ड घ- पठित अवबोधनम्, प्रश्ननिर्माणम्, शब्दार्थ मेलनम् । पाठ: एकतः शट् पर्यन्तम् । पुनरावृत्ति: ।  ( करवायागया संपूर्णव्याकरण परीक्षा में आएगा )  <b>Pre-Board-1</b> 12.11.2020 to 04.12.2020  पाठ्यक्रम : संपूर्ण पाठ्यक्रम  <b>Pre-Board-2</b> 22.12.2020 to 11.01.2021  पाठ्यक्रम : संपूर्ण पाठ्यक्रम</p>
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<b>MATHEMATICS</b>
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**Prescribed Book :**

NCERT Mathematics class IX

**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, analyse 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      02.03.2020 to 13.03.2020      (08)**

**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

**Learning Outcomes :**

- ☞ Express linear equations in two variables
- ☞ Plot ordered pairs in the rectangular coordinate system
- ☞ Verify whether ordered pair is a solution of equation
- ☞ Create graphs of linear equations to solve word problems
- ☞ Solve a system of linear equation by the method of substitution, elimination and cross multiplication method

**Art Integration/Lab Activity :** To obtain the conditions for consistency of a system of linear equations in two variables by graphical method.

**Unit 2      16.03.2020 to 27.03.2020      (10)**

**Topic      : Ch-2 : Polynomials**

Zeros of a polynomial Relationship between zeros and coefficients of quadratic polynomials. Statement and simple problems on division algorithm for polynomials with real coefficients.

**Learning Outcomes :** Relate the zeroes of the quadratic polynomial  $ax^2 + bx + c$  with the coefficients  $a$ ,  $b$ , and  $c$  Calculate the other two zeroes of a cubic / biquadratic polynomial when only one zero/two zeroes are given.

**Topic      : Ch-1 : Real Numbers**

Euclid's division lemma, Fundamental Theorem of Arithmetic , Proofs of irrationality of  $\sqrt{2}$  Decimal representation of rational numbers in terms of terminating/non-terminating recurring decimals.

**Learning Outcomes :** Correlate Euclid's division lemma with the concept of long division already learnt in earlier classes. Justify the condition on irrational numbers to have non-terminating and non-repeating decimal expansion.

**Art Integration/Lab Activity :** To find the HCF of two numbers experimentally based on Euclid's Division Lemma.

**Unit 3      30.03.2020 to 18.04.2020      (13)**

**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.
6. (Motivate) If a perpendicular is drawn from the vertex of the right angle of a right triangle to the hypotenuse, the triangles on each side of the perpendicular are similar to the whole triangle and to each other.
7. (Prove) The ratio of the areas of two similar triangles is equal to the ratio of the squares of their corresponding sides.
8. (Prove) In a right triangle, the square on the hypotenuse is equal to the sum of the squares on the other two sides.

9. (Prove) In a triangle, if the square on one side is equal to sum of the squares on the other two sides, the angle opposite to the first side is a right angle.

**Learning Outcomes** : Student will be able to Identify and visualize triangles which have the same shape and their sides bear a certain ratio. They will verify the ratio between areas of two similar triangles with respect to the ratio of the square of their corresponding sides.

They will be able to prove Pythagoras theorem using the concept of similar triangles as the base and apply the same to real life problems.

Art Integration/Lab Activity :

1. To verify the Basic Proportionality Theorem using parallel line board and triangle cut-outs.
2. To verify the Pythagoras Theorem by the method of paper folding, cutting and pasting

**Unit 4** 20.04.2020 to 01.05.2020 (10)

**Topic** : Ch-14 : Statistics

Mean, median and mode of grouped data (bimodal situation to be avoided). Cumulative frequency graph & Revision for PA1

**Learning Outcomes** : Students will be able to calculate the average from grouped data using different methods i.e. direct, assumed mean and step deviation method. Determine the modal class in a group data and calculate mode using the formula.

**Art Integration/Lab Activity** : To locate graphically the median of a given frequency distribution.

**Unit 5** 04.05.2020 to 15.05.2020 (09)

**Topic** : Chap 4: Quadratic Equations

Standard form of a quadratic equation  $ax^2 + bx + c = 0$ , ( $a \neq 0$ ). 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** : Students will be able to solve the quadratic equation by using different methods. Recall factorization method and apply the same to quadratic equation. Calculate discriminant to find nature of roots and apply the same to problem solving.

**Art Integration/Lab Activity** : To verify roots of quadratic equation by graphical method.

**Unit 6** 15.05.2020 to 26.06.2020 (10)

**Topic** : Ch-8 : Introduction to Trigonometry

Trigonometric ratios of an acute angle of a right angled triangle. Proof of their existence (well defined);

1. Motivate the ratios whichever are defined at  $0^\circ$  and  $90^\circ$ . Values (with proofs) of the trigonometric ratios of  $30^\circ$ ,  $45^\circ$  and  $60^\circ$ . Relationships between the ratios.
  2. TRIGONOMETRIC IDENTITIES : Proof and applications of the identity  $\sin^2\theta + \cos^2\theta = 1$
1. Only simple identities to be given. Trigonometric ratios of complementary angles & Revision for PA 2

**Learning Outcomes** : Develop understanding of trigonometric ratios of an acute angle of a right angled triangle Tabulate and make use of trigonometric ratios of standard angles of  $0^\circ$ ,  $30^\circ$ ,  $45^\circ$ ,  $60^\circ$ ,  $90^\circ$  to right angled triangle. Correlate the concept of complementary angles with the trigonometric ratios. Prove trigonometric identities taking three identities as the base

**Art Integration/Lab Activity** : To verify identity  $\sin^2\theta + \cos^2\theta = 1$ .

**Unit 7** 29.06.2020 to 10.07.2020 (11)

**Topic** : Ch-9 : Some applications of Trigonometry

Simple problems on heights and distances involving not more than two right triangles. Angles of elevation / depression should be only  $30^\circ$ ,  $45^\circ$ ,  $60^\circ$ .

**Learning Outcomes** : Make use of the concept of angles of elevation and depression to draw figures as per the problem and apply trigonometry to reach the solution

**Art Integration/Lab Activity** : To make a clinometer and use it to measure the height of an object.

**Unit 8** 13.07.2020 to 24.07.2020 (10)

**Topic** : Ch-5 : Arithmetic Progression

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** : Understand the term 'common difference' and its importance in an A.P. Identify the situations in daily life where the A.P. is observed and apply it in solving problems.

**Art Integration/Lab Activity** : To verify that the sum of first n natural numbers is  $n(n+1)/2$ , i.e.  $\sum n = n(n+1)/2$ , by graphical method.

**Topic** : Ch-10 : Circles

Tangent to a circle, 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** : Students will be able to locate common point of intersection of a line and a circle in a plane. Define tangent and secant. They

will be able to Show that the length of two tangents drawn to a circle from an external point are equal and apply.

**Art Integration/Lab Activity :** To verify using the method of paper cutting, pasting and folding that the lengths of tangents drawn from an external point are equal.

**Unit 9 & Rev. 27.07.2020 to 07.08.2020 (09)**

Topic : Revision for Mock test

**Unit 10 24.08.2020 to 11.09.2020 (15)**

**Topic : Ch-11 : Construction**

1. Division of a line segment in a given ratio (internally).
2. Drawing triangles similar to given triangles.
3. Tangents to a circle from a point outside it.
4. Construction of a triangle similar to a given triangle.

**Learning Outcomes :** Drawing similar triangles using properties like BPT. Construct a pair of tangents to a circle and justify the same.

**Topic : Ch-7: Coordinate Geometry**

Concepts of coordinate geometry, Distance formula. Section formula (internal division). Area of a triangle.

**Learning Outcomes :** Students will be able to locate points in 2-dimensional Cartesian coordinate system. Apply the formula and calculate distance between two points on a plane. Calculate the coordinates of a point which divides the line segment joining the two points internally in the ratio  $m:n$  using the formula. They will be able to find area of triangle using coordinates of its vertices.

**Art Integration/Lab Activity :** To study the distance between different points of a geometrical figure. Enhance familiarity with co-ordinate geometry.

**Unit 11 14.09.2020 to 25.09.2020 (11)**

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

Area of a circle; area of sectors and segments of a circle. Problems based on areas and perimeter / circumference of the plane figures. (In calculating area of segment of a circle, problems should be restricted to central angle of  $60^\circ$ ,  $90^\circ$  and  $120^\circ$  only. Plane figures involving triangles, simple quadrilaterals and circle should be taken.)

**Learning Outcomes :** Students will be able to Identify and apply the terms – major/ minor sector, major/minor segment, angle subtended by the arc at the center, area of sector of given angle, length of an arc of a sector of given angle Combine the plane figures and calculate the area of them.

**Unit 12 28.09.2020 to 16.10.2020 (15)**

**Topic : Ch-13 : Surface Areas & Volumes**

1. Surface areas and volumes of combinations of any two of the following: cubes, cuboids, spheres, hemispheres and right circular cylinders/cones. Frustum of a cone.
2. Problems involving converting one type of metallic solid into another and other mixed problems. (Problems with combination of not more than two different solids be taken).

**Learning Outcomes :** Combine two solid shapes and calculate its surface area Combine two solid shapes and calculate the volume Transform a solid shape to another solid. Compare and analyse their surface area and volume. Convert a cone to a frustum and calculate its volume and surface area

**Art Integration/Lab Activity :**

1. To determine the area of a given cylinder.
2. To obtain the formula for the lateral surface area of a right circular cylinder in terms of the radius ( $r$ ) of its base and height ( $h$ ).

**Topic : Ch-15 : Probability**

Classical definition of probability. Simple problems on single events (not using set notation).

**Learning Outcomes :** Associate probability as a chance. Formulate probability of an Event E as No. of outcomes favorable to E  $P(E) = \frac{\text{No. of outcomes favorable to E}}{\text{No. of all possible outcomes of the Experiment}}$

**Art Integration/Lab Activity :** To get familiar with the idea of probability of an event through a double colour card experiment.

**EXAMINATION SCHEDULE :**

**Periodic Asst.-1 30.03.2020 to 04.05.2020**Unit

Topic : Unit 1 and Unit 2

**Periodic Asst.-2 11.05.2020 to 27.07.2020**

Topic : Unit 5 and Unit 6

**MOCK TEST-1 10.08.2020 to 21.08.2020**

Topic :

**Pre-Board-1 12.11.2020 to 04.12.2020**

Topic :

**Pre-Board-2 22.12.2020 to 11.01.2021**

Topic :

## SCIENCE

**Text book :**

**Science Text Book (NCERT)**

**Objectives :**

- ❖ To develop inquiring minds and curiosity about science and the natural world.
- ❖ To acquire knowledge, conceptual understanding and skills to solve problems and make informed decisions in scientific and other contexts.
- ❖ To develop skills of scientific inquiry to design and carry out scientific investigations and evaluate scientific evidence to draw conclusions.



- ❖ To communicate scientific ideas, arguments and practical experiences accurately in a variety of ways.
- ❖ To think analytically, critically and creatively to solve problems, judge arguments and make decisions in scientific and other contexts.
- ❖ To appreciate the benefits and limitations of science and its application in technological developments.
- ❖ To understand the international nature of science and the interdependence of science, technology and society, including the benefits, limitations imposed by social, economic, political, environment, cultural and ethical factors.
- ❖ To demonstrate attitudes and develop values of honesty and respect for themselves others, and their shared environment.

## PHYSICS

### Prescribed Book :

Text Book of Science (NCERT)

**Unit 1      02.03.2020 to 13.03.2020      (08)**

Topic        : Ch-10 Light Reflection and Refraction

Sub-Topic   : Reflection, Diffraction, Image formation by plane mirror

Art Integration : Drawing ray diagram image formation by concave mirror

Learning Outcomes : Identify light as a form of energy that affects sight • Distinguish between ray and beam • List types of beam • Conceptualize the term reflection of light and laws of reflection • Analyse image formation in plane mirror and name the characteristics of this image • Distinguish between real & virtual image

**Unit 2      16.03.2020 to 27.03.2020      (10)**

Topic        : Ch-10 Light Reflection And Refraction

Sub-Topic   : Mirror formula, Magnification formula, Numerical practice

Art Integration :

Image formation by convex mirror

Learning Outcomes : Comprehend the term spherical mirrors, identify their types and define the terms—pole, aperture, focus principal axis, centre of curvature, radius of curvature focal length. • Discover 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 • Experimentally find focal length of a concave mirror by focussing the image of a distant object. • Investigate the uses of plane mirrors, concave mirrors and convex mirrors in our day-to-day life, with the help of activity • Analyse that as they see an ambulance coming on the road, should immediately give the way so that the patient inside can reach hospital at earliest • Conceptualize sign conventions and apply to solve numericals • Comprehend mirror formula • Solve numerical problems using above relations

**Unit 3      30.03.2020 to 18.04.2020      (13)**

Topic        : Ch-10 Light Reflection and Refraction

Topic        : Refraction-cause, Laws of refraction, Refractive Index

Art Integration : Diagram-refraction through a glass slab

Learning Outcomes : Classify optical medium as a rarer or a denser medium. • Comprehend definition of refraction of light and represent it diagrammatically • Evolve laws of refraction of

light, verify them experimentally • Interpret the meaning of the term refractive index and its relation to the velocity of light • Analyse the reason behind everyday phenomena using knowledge of refraction of light • Develop definition of a lens Identify types of lens • Discover rules for image formation in lenses • Sketch ray diagrams to locate image in convex and concave lenses

**Unit 4      20.04.2020 to 01.05.2020      (10)**

Topic        : Ch-10 Light Reflection and Refraction

Sub-Topic   : Lens, Lens Formula, Power

Art Integration : Drawing ray diagrams for image formation by lens

Learning Outcomes : 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 =  $\frac{1}{f} = \frac{1}{v} - \frac{1}{u}$  and magnification

formula =  $M = \frac{v}{u}$  • 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

**Unit 5      04.05.2020 to 15.05.2020      (09)**

Topic        : Ch-11 Human Eye and Col World

Sub-Topic   : Human Eye-Structure and Function, Defects of Vision, Refraction of Light through prism

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

Learning Outcomes : Identify human eye as a natural optical device which works like camera. • 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 • Understanding, Application • Comprehension, Analysis, Synthesis Collaborative learning Critical thinking • Understanding, Application, Evaluation • Critical thinking, Understanding Analysis, Synthesis problem solving, analysis • Understanding, Analysis, Evaluation • Understanding, Application, Self awareness • Understanding, Application, Self awareness • Application, Analysis 4A. Human Eye and Colorful World • Develop the meaning of Myopia, myopic eye, cause of myopia, and infer its correction using concave lens • Comprehend Hypermetropia, hyper metropic eye cause of hyper metropia and infer its correction by convex lens • Conceptualize Presbyopia, cause of Presbyopia and its correction using bifocal lenses. • Calculate the power of lens for correction of eye-defects. • Explain astigmatism and cataract. • Infer the advantages of having two eyes. • List what to do and not to do for safety of eyes

**Unit 6 15.05.2020 to 26.06.2020 (10)**

Topic : Ch-11 Human Eye And Col World  
Sub-Topic : Atmospheric refraction and its applications, Scattering of Light, Applications of scattering

Art Integration : Discussion of applications of scattering

Learning Outcomes : Draw the shape of the prism and define angle of prism. • 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 7 29.06.2020 to 10.07.2020 (11)**

Topic : Ch-14 Sources Of Energy  
Topic : Ch- summary-Sources of Energy

Art Integration : Group discussion

Learning Outcomes : Develop the concept of energy sources through observation - identify the parameters needed to classify a source as a good energy source – interpret the advantages and disadvantages of using fossil fuels, thermal power and hydro power as source of energy. - justify the need to improve the technology for using conventional sources of energy - analyze the structure, function and uses of a biogas plant - describe biogas plant as an ecofriendly source of energy - appreciate the technology of drawing best out of waste - synthesize the process of producing electricity through wind - develop the concept of nonconventional energy sources & list their significance - interpret the advantages of using non-conventional energy sources over conventional sources of energy - use the sources of energy judiciously - justify the economic use of resources - realize the importance of conservation of resources for future generation

**Unit 8 13.07.2020 to 24.07.2020 (10)**

Topic : Ch 12 Electricity  
Sub-Topic : Current, Potential Difference, OHM's Law

Art Integration : Drawing Circuit Diagram

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

**Unit 9 & Rev. 27.07.2020 to 07.08.2020 (09)**

Topic : Ch-12 Electricity  
Sub-Topic : Resistance, factors affecting resistance, resistivity, combination of resistance

Art Integration : Drawing circuit diagram of combination of resistors

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

**Unit 10 24.08.2020 to 11.09.2020 (15)**

Topic : Ch-12 Electricity  
Sub-Topic : Heating Effect of Current, Application of Heating Effect, Power, Relationbetween P, V, I, R

Learning Outcomes : Analyse 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 • Recognise application of commercial unit of energy in our daily life • Infer that appliances of

higher power consume more energy. So to save energy, use of high power appliances should be minimized • Discover applications of heating effect of electric current like fuse, heaters. • Solve numerical problems

**Unit 11 14.09.2020 to 25.09.2020 (11)**

Topic : Ch-13 Magnetic Effect of Current  
Sub-Topic : Oersted's Experiment, Magnetic Field Lines, DC Motor

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

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

**Unit 12 28.09.2020 to 16.10.2020 (15)**

Topic : Ch 13 Magnetic Effect Of Current  
Sub-Topic : Electromagnetic Induction, Generator, Domestic Circuit

Art Integration : Construction of ac generator

Learning Outcomes : Observe experimentally electromagnetic induction. • Comprehend induced current, state Fleming's Right hand rule and apply it to find direction of induced current

**EXAMINATION SCHEDULE :**

**Periodic Asst.-1 30.03.2020 to 04.05.2020**

Topic : Ch-10 Light Reflection and Refraction

**Periodic Asst.-2 11.05.2020 to 27.07.2020**

Topic : Ch-10 Light Reflection and Refraction

**MOCK TEST-1 10.08.2020 to 21.08.2020**

Topic : Ch-10, 11

**Pre-Board-1 12.11.2020 to 04.12.2020**

Topic : Complete Syllabus

**Pre-Board-2 22.12.2020 to 11.01.2021**

Topic : Complete Syllabus

## CHEMISTRY

**Prescribed Book :**

Text Book of Science (NCERT)

**Unit 1 02.03.2020 to 13.03.2020 (08)**

Topic : Ch-1 : Chemical reactions and equations

1. Introduction
2. Balancing of chemical equations
3. Types of chemical reactions

Art Integration : Drawing mind map for types of Chemical Reactions

Learning Outcomes : Understand different types of chemical reactions and balancing equations

**Unit 2 16.03.2020 to 27.03.2020 (10)**

Topic : 4. Oxidation  
5. Rancidity

Art Integration : Collage on effect of Oxidation on daily life situations

Learning Outcomes : Identify different factors that cause oxidation

**Unit 3 30.03.2020 to 18.04.2020 (13)**

Topic : Ch-2 : Acids bases and salts

1. Indicators
2. Chemical properties of acids and bases

Art Integration : Flow chart on different types of Indicators

Learning Outcomes : Identification of acid bases with the help of indicators.

**Unit 4 20.04.2020 to 01.05.2020 (10)**

Topic : 3. ph and its Importance  
4. some important chemical compounds

Art Integration : Drawing of ph scale.

Learning Outcomes : Conceptualize the concept of ph.

**Unit 5 04.05.2020 to 15.05.2020 (09)**

Topic : 5. Families of salts

Art Integration : Mind map on different types of Families of Salt

Learning Outcomes : Understand different families of salt.

**Unit 6 15.05.2020 to 26.06.2020 (10)**

Topic : Ch-3 : Metal and Non Metals

1. Physical and chemical properties
2. Extration of metals
3. Alloy
4. Corrosion

Art Integration :

Poster on properties of Elements

Collage on effects of Corrosion

Learning Outcomes : Differentiate between the properties of metals and non metals.

Understand the extraction process of metals and uses of alloy.

**Unit 7 29.06.2020 to 10.07.2020 (11)**

Topic : Ch-4 : Carbon and its compounds

1. Covalent bonding
2. Saturated and unsaturated compounds

Art Integration : Flow chart on Saturated and Unsaturated Compounds

Learning Outcomes : Understand covalent bonding in carbon compounds and differences between saturated and unsaturated compounds.

<b>Unit 8</b>	<b>13.07.2020 to 24.07.2020</b>	<b>(10)</b>
Topic	: 3. Chemical properties of carbon compounds	
Art Integration : P.P.T. on Chemical Properties		
Learning Outcomes : Understand different chemical properties of carbon compounds.		
<b>Unit 9 &amp; Rev.</b>	<b>27.07.2020 to 07.08.2020</b>	<b>(09)</b>
Topic	: 4. Important carbon compounds	
Art Integration : Movie making on uses of Ethanol and Ethanoic Acid		
Learning Outcomes : Identify ethanol and ethanoic acid by their physical properties.		
<b>Unit 10</b>	<b>24.08.2020 to 11.09.2020</b>	<b>(15)</b>
Topic	: 5. Soaps and detergents	
Art Integration : Diagram Of Micelle Formation		
Learning Outcomes : Understand cleansing action of soap and detegents.		
<b>Unit 11</b>	<b>14.09.2020 to 25.09.2020</b>	<b>(11)</b>
Topic	: Ch-5 : Periodic classification of elements	
1. Early attempts of classification		
2. Mendeleev,s periodic table		
3. Modern periodic table and its trends		
Art Integration : Draw Periodic Table		
Learning Outcomes : Conceptualize different trends in the periodic table.		
<b>Unit 12</b>	<b>28.09.2020 to 16.10.2020</b>	<b>(15)</b>
Topic	: Revision	
<b>EXAMINATION SCHEDULE :</b>		
<b>Periodic Asst.-1</b>	<b>30.03.2020 to 04.05.2020</b>	
Topic	: Ch-1, 2	
<b>Periodic Asst.-2</b>	<b>11.05.2020 to 27.07.2020</b>	
Topic	: Ch-1, 2, 3	
<b>MOCK TEST-1</b>	<b>10.08.2020 to 21.08.2020</b>	
Topic	:	
<b>Pre-Board-1</b>	<b>12.11.2020 to 04.12.2020</b>	
Topic	:	
<b>Pre-Board-2</b>	<b>22.12.2020 to 11.01.2021</b>	
Topic	:	

## BIOLOGY

### Prescribed Book :

Text Book of Science (NCERT)

**Unit 1** **02.03.2020 to 13.03.2020** **(08)**

Topic : Ch-6 Life Processes

Sub-Topics : Nurition, Nurtition types, Human digestive system, respiration, Transpotation in plants

Art Integration : Diagram of all systems and imporatant organs

Learning Outcomes for Learner :

- To understand the working of the organ system, the diseases related to the organ system, important biological processes.
- To maintain healthy life style practices.

**Unit 2** **16.03.2020 to 27.03.2020** **(10)**

Topic : Ch-6 Life processes

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

Art Integration : Diagram of all systems and imporatant organs, Experiment.

Learning Outcomes For Learner :

- To understand the important functions of organs and organ systems.
- To study the related content to get additional knowledge.
- To appreciate the importance of structural complexities of humans

**Unit 3** **30.03.2020 to 18.04.2020** **(13)**

Topic : Ch-15 Our Enviroment

Sub-Topics : Ecosystem, Food chain, Food web, Trophic levels, Energy Flow, Role of decomposers , Biological magnification

Art Integration : Power point presentation and seminar

Learning Outcomes For Learner :

- To understand the importance of ecological balance and role of all the organisms around us.
- To take responsibility towards the betterment of environment.

**Unit 4** **20.04.2020 to 01.05.2020** **(10)**

Topic : Ch-7 Control and coordination

Sub-Topics : Chemical coordination, Endocrine glands, Hormones their characteristics, and function

Art Integration : Collage making of glands and their locations. diagrams

Learning Outcomes For Learner :

- To understand the important functions of organs and organ systems.
- To study the related content to get additional knowledge.

**Unit 5** **04.05.2020 to 15.05.2020** **(09)**

Topic : Ch-7 Control and coordination

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

Art Integration :

- Diagram of brain and reflex action.
- Study of brain games to observe brain action patterns.

Learning Outcomes For Learner :

- To study the action of brain and the efficiency of control and coordination in humans
- To observe the effectiveness of reflex action and its importance



**Unit 6 15.05.2020 to 26.06.2020 (10)**  
 Topic : Ch-16 Management of natural resources  
 Sub-Topics : Managing water as resource, rain water harvesting, pros and cons of dams, surface and underground water, forest as a resource, conservation of forest, fossil fuels, sustainable development and 3 R strategy  
 Art Integration :  
 • Paper presentation. Group discussion  
 Learning Outcomes :  
 • To study about sustainable development and its importance  
 • To study the practice of conservation

**Unit 7 29.06.2020 to 10.07.2020 (11)**  
 Topic : Ch-8 How do organisms reproduce  
 Sub-Topics : Reproduction, Need and types, DNA copying and consequences in cases of error in DNA copying, Variation and its importance  
 Art Integration : Board preparation.  
 Learning Outcomes For Learner :  
 • Study of reproduction and its importance, D.N.A. Variation.

**Unit 8 13.07.2020 to 24.07.2020 (10)**  
 Topic : Ch-8 How do organisms reproduce  
 Sub-Topics : Asexual reproduction methods : Fission, Budding, Fragmentation, Regeneration, Vegetative propagation  
 Art Integration : Diagram preparation  
 Learning Outcomes For Learner :  
 • Study of the methods of vegetative

propagation, asexual mode of reproduction.  
**Unit 9 & Rev. 27.07.2020 to 07.08.2020 (09)**  
 Topic : Ch-8 How do organisms reproduce  
 Topics : Sexual reproduction in plants, structure and types of flowers, pollination, fertilization and post fertilization changes, Sexual reproduction in humans, male and female reproductive systems, fertilization and post  
 Art Integration : Diagram preparation, study of flower  
 Learning Outcomes For Learner :  
 • Study of flower structure, functions of different parts of flower.

**Unit 10 24.08.2020 to 11.09.2020 (15)**  
 Topic : Ch-9 Heredity and evolution  
 Sub-Topics : Basic terms in genetics, Medel's monohybrid and dihybrid crosses, Sex determination in humans  
 Art Integration : Model preparation, segregation of seeds  
 Learning Outcomes For Learner :  
 • Study of Mendel's cross on the inheritance.

**Unit 11 14.09.2020 to 25.09.2020 (11)**  
 Topic : CH 9 Heredity and evolution  
 Sub-Topics : Evolution, Theories of evolution, Evidences of evolution : Analogy, homology, fossils  
 Art Integration : Experiment  
 Learning Outcomes For Learner :  
 • To understand the Study of evolution.  
 • To study the effectiveness of fossils.

**Unit 12 28.09.2020 to 16.10.2020 (15)**  
 Topic : Ch-9 Heredity and evolution  
 Sub-Topics : Artificial selection, Human evolution

Art Integration : Experiment, Study of artificial selection in plants  
 Learning Outcomes For Learner : To make students understand Study of artificial selection  
**EXAMINATION SCHEDULE :**  
**Periodic Asst.-1 30.03.2020 to 04.05.2020**  
 Topic : Ch-6 Life processes  
**Periodic Asst.-2 11.05.2020 to 27.07.2020**  
 Topic : Ch-6 Control and coordination, Our Environment  
**MOCK TEST-1 10.08.2020 to 21.08.2020**  
 Topic : Ch-10, 11  
**Pre-Board-1 12.11.2020 to 04.12.2020**  
 Topic : COMPLETE SYLLABUS  
**Pre-Board-2 22.12.2020 to 11.01.2021**  
 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. Political Science : Democratic Politics-II  
NCERT
2. History : India and the Contemporary  
World-II NCERT

### Unit 1 02.03.2020 to 13.03.2020 (08)

Pol. Science : Ch-1 Power Sharing, and  
Ch-2 Federalism

Learning Outcomes : After this student will be able to :

- ◆ Aware about the majoritarian policies of the Sri Lanka and the case of Belgium.
- ◆ Enhance their creativity by reflecting the mechanism power sharing between different levels of govt.

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

### Unit 2 16.03.2020 to 27.03.2020 (10)

History : Ch-2 Nationalism in Europe

- ◆ critically think about the advent of nation-state led to the growth of nationalism in Europe.
- ◆ appreciate the concept and practice of modern state.

Art Integration/Activity : Role play by the students

on different events. Flash cards

### Unit 3 30.03.2020 to 18.04.2020 (13)

History : Ch-3 Nationalism in India

Learning Outcomes :

- ◆ understand the contribution of a common 9 men in the anticolonial movement in India.
- ◆ Critically think about how the advent of Gandhi turn around the political movement in India.

Art Integration/Activity : Students will be asked to prepare the Time line on nationalist movement of India including the important dates and events for the period 1914-1947.

Map Activity (as per CBSE list of map items)

### Unit 4 20.04.2020 to 01.05.2020 (10)

Pol. Science : Ch-3 Democracy and Diversity

Learning Outcomes :

- ◆ critically understand and appreciate how diversities are asset in democracies.
- ◆ analyze how diversities accommodated in democracies.

Art Integration/Activity : A short video of Mexico Olympics (200 m race) will be shown to students and based on which class discussion will be held on social differences exist in different countries.

### Unit 5 04.05.2020 to 15.05.2020 (09)

Pol. Science : Ch-4 Caste, Religion and Politics  
Ch-5 Popular Struggles and  
Movements

Learning Outcomes :

- ◆ able to understand how diversities on gender, caste, religion politicized in democracy.

Learning Outcomes : Students will learn how people are able to bring necessary change in the society when other important organs of government fails in bringing the same

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

Art Integration/Activity : Role-play (class will be divided into two groups. Each group will prepare the scripts on Movement for democracy in Nepal and Bolivia's Water War respectively and enact in the class)

### Unit 6 15.05.2020 to 26.06.2020 (10)

History : Ch-4 The making of a Global  
World

Learning Outcomes :

- ◆ Appreciate the concept and practices of trade, colonialism & the global system.
- ◆ to analyze that human societies were more interlinked.

Art Integration/Activity : Class discussion on 'implications of Globalization'

### Unit 7 29.06.2020 to 10.07.2020 (11)

History : Ch-7 Print, Media & culture

Learning Outcomes :

- ◆ critically think about how the advent of print turn around the political consciousness across the globe.
- ◆ Aware learners that the common mass of people were awakened by the growth of print culture.

Art Integration/Activity :

- ◆ Chapter based quiz will be conducted.

Art Integration/Activity :

- ❖ Debate on written form or electronic media for information.

- ❖ Case study on 19th century writers and books.

### Unit 8 13.07.2020 to 24.07.2020 (10)

Topic : Ch-7 Print, Media & culture  
(History)

Learning Outcomes :

- ◆ critically think about how the advent of print

turn around the political consciousness across the globe.

- ◆ Aware learners that the common mass of people were awakened by the growth of print culture.

Art Integration/Activity :

- ◆ Chapter based quiz will be conducted.

Art Integration/Activity :

- ❖ Debate on written form or electronic media for information.

- ❖ Case study on 19th century writers and books.

Topic : Revision for Mock Test-1

**Unit 10 24.08.2020 to 11.09.2020 (15)**

Pol. Science : Ch-6 Political Parties

Learning Outcomes :

- ◆ Critically understand the role and functions of political parties in democracy.
- ◆ Differentiate between national & state political parties.

Art Integration/Activity : Role play on different National political parties.

**Unit 11 14.09.2020 to 25.09.2020 (11)**

Topic : Ch-7 Outcomes of Politics  
(Pol. Science)

Learning Outcomes :

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

Art Integration/Activity : Interactive session on 'Democratic and Non-democratic Form of Government'

**Unit 12 28.09.2020 to 16.10.2020 (15)**

Topic : Ch-8 Challenges to Democracy  
(Pol. Science)

Learning Outcomes :

- ◆ Develop citizenship through understanding

the contribution of people in the transition of power from non-democratic to democratic.

**EXAMINATION SCHEDULE :**

**Periodic Asst.-1 30.03.2020 to 04.05.2020**

Topic : Unit-1

**Periodic Asst.-2 11.05.2020 to 27.07.2020**

Topic : Unit-2, 3 and 4

**MOCK TEST-1 10.08.2020 to 21.08.2020**

Topic : Unit-1 to 6

**Pre-Board-1 12.11.2020 to 04.12.2020**

Topic : Unit-1 to 12

**Pre-Board-2 22.12.2020 to 11.01.2021**

Topic : Unit-1 to 12

## GEOGRAPHY

Prescribed Book :

Contemporary India II (NCERT)

**Unit 1 02.03.2020 to 13.03.2020 (08)**

Topic : Ch 1. Resources and development.

Art Integration : Flow chart on resources to explain the divisions based on : origin, availability, exhaustibility, & ownership.

Learning Outcomes : Students will be able to understand the value of resources and the need for their judicious utilization and conservation

**Unit 2 16.03.2020 to 27.03.2020 (10)**

Topic : Ch. 1. To be continued. Ch. 1 & 2 of D.M. only for discussion.

Art Integration : Find out the names of any five trees in your locality and write down their scientific names and uses.

Learning Outcomes : Students will be able to understand the importance of forests and wild life in one environment as well as develop concept towards depletion of resources.

**Unit 3 30.03.2020 to 18.04.2020 (13)**

Topic : Ch. 3. Water Resources.

Art Integration : Map locating of multipurpose project on various rivers of India.

Learning Outcomes : Students will be able to comprehend the importance of water as a resource as well as develop awareness towards its judicious use and conservation.

**Unit 4 20.04.2020 to 01.05.2020 (10)**

Topic : Ch. 3. To be continued.  
Ch. 3 & 4 of D.M. only for discussion.

Art Integration : Group discussion on causes and mitigation strategies of flood and earthquake.

Learning Outcomes : Students will be able to

**Unit 5 04.05.2020 to 15.05.2020 (09)**

Topic : Ch. 4. Agriculture.

Art Integration : Report writing and map locating on various type crops cultivated in india.

Learning Outcomes : Students will be able to explain the importance of agriculture in national economy. • Identify various types of farming and discuss the various farming methods; describe the spatial distribution of major crops as well as understand the relationship between rainfall regimes and cropping pattern.

**Unit 6 15.05.2020 to 26.06.2020 (10)**

Topic : Ch. 4. To be continued.

Map work of Ch 1, 2 & 3.

Art Integration : Flow chart on subsistence and commercial agriculture and its sub parts.

Learning Outcomes : Students will be able to explain various government policies for institutional as well as technological reforms since independence.

**Unit 7 29.06.2020 to 10.07.2020 (11)**

Topic : Ch. 5. Minerals and Energy Resources.

Art Integration : Map locating on various types of minerals found in India (iron, coal, oil, well, bauxite, gold, etc )

Learning Outcomes : Students will be able to identify different types of minerals and energy resources and places of their availability

**Unit 8 13.07.2020 to 24.07.2020 (10)**

Topic : Ch. 5. To be continued.

Art Integration : CBSE project on two natural hazard that has occurred during the year and analysis of the destruction caused and the mitigation strategies.

Learning Outcomes : Students will be able to feel the need for their judicious utilization of minerals.

**Unit 9 & Rev. 27.07.2020 to 07.08.2020 (09)**

Topic : Ch. 6. Manufacturing Industries.

Revisions for Half Yearly Exams

Art Integration : Map locating on various types of industries found in India (iron & steel, copper, jute, cotton, software technology parks etc.)

Learning Outcomes : Students will be able to bring out the importance of industries in the national economy as well as understand the regional disparities which resulted due to concentration of industries in some areas.

**Unit 10 24.08.2020 to 11.09.2020 (15)**

Topic : Ch. 6. To be continued.

Art Integration : Class discussion on various types of industries and industries based on ownership.

Learning Outcomes : Students will be able to discuss the need for a planned industrial development and debate over the role of government towards sustainable development.

**Unit 11 14.09.2020 to 25.09.2020 (11)**

Topic : Ch. 7. Lifelines of National Economy.

Art Integration : Flow chart on various types of

transportations and all types of super highways.

Learning Outcomes : Students will be able to explain the importance of transport and communication in the ever-shrinking world.

**Unit 12 28.09.2020 to 16.10.2020 (15)**

Topic : Ch. 7. To be continued.

Art Integration : Report writing on one natural hazard that has occurred during the year and analysis of the destruction caused due to any type of land transport in India.

Learning Outcomes : Students will be able to understand the role of trade and tourism in the economic development of a country

**REVISION SCHEDULE :**

**Rev. Pre-Board-1 19.10.2020 to 10.11.2020 15**

Topic : Ch-1, 3, 4, 5, 6 & 7.

**Rev. Pre-Board-2 08.12.2020 to 18.12.2020 09**

Topic : Ch-1, 3, 4, 5, 6 & 7.

**EXAMINATION SCHEDULE :**

**Periodic Asst.-1 30.03.2020 to 04.05.2020**

Topic : Ch-1, 3.

**Periodic Asst.-2 11.05.2020 to 27.07.2020**

Topic : Ch-4, 5.

**MOCK TEST-1 10.08.2020 to 21.08.2020**

Topic :

**Pre-Board-1 12.11.2020 to 04.12.2020**

Topic :

**Pre-Board-2 22.12.2020 to 11.01.2021**

Topic :

## ECONOMICS

**Prescribed Books :**

Understanding Economic Development-II (NCERT)

**Unit 1 02.03.2020 to 13.03.2020 (08)**

Topic : Ch-1 The Development

Learning outcomes : Students will become familiar with macro-economic concepts

Art Integration/Activities : Educational visit to a Mall

**Unit 2 16.03.2020 to 27.03.2020 (10)**

Topic : Ch-1 The Development

Learning outcomes : Students will become familiar with macro-economic concepts

Art Integration/Activities : Educational visit to a Mall

**Unit 3 30.03.2020 to 18.04.2020 (13)**

Topic : Ch-2 Sectors of Indian Economy

Learning outcomes : Students will become aware of a major employment generating sector in India

Art Integration/Activities : Class discussion on the conditions of workers in organized and unorganized sectors in India

**Unit 4 20.04.2020 to 01.05.2020 (10)**

Topic : Ch-2 Sectors of Indian Economy

Learning outcomes : Students will become aware of a major employment generating sector in India

Art Integration/Activities : Class discussion on the conditions of workers in organized and unorganized sectors in India

**Unit 5 04.05.2020 to 15.05.2020 (09)**

Topic : Ch-2 Sectors of Indian Economy

Learning outcomes : Students will become aware of a major employment generating sector in India

Art Integration/Activities : Class discussion on the conditions of workers in organized and unorganized sectors in India

**Unit 6 15.05.2020 to 26.06.2020 (10)**

Topic : Ch-3 Money and Credit

Learning outcomes : Students will become familiar with the concept of money as an economic concept



Art Integration/Activities : Educational visit to a Bank

**Unit 7 29.06.2020 to 10.07.2020 (11)**

Topic : Ch-3 Money and Credit

Learning outcomes : Students will become familiar with the concept of money as an economic concept

Art Integration/Activities : Educational visit to a Bank

**Unit 8 13.07.2020 to 24.07.2020 (10)**

Topic : Ch-4 Globalisation

Learning outcomes : Students will get some ideas about how a particular economic phenomenon is influencing their surroundings and day-to-day life

Art Integration/Activities : Article Writing on 'Impact of Globalisation on India'

**Unit 9 & Rev. 27.07.2020 to 07.08.2020 (09)**

Topic : Ch-4 Globalisation

Learning outcomes : Students will get some ideas about how a particular economic phenomenon is influencing their surroundings and day-to-day life

Art Integration/Activities : Article Writing on 'Impact of Globalisation on India'

**Unit 10 24.08.2020 to 11.09.2020 (15)**

Topic : Ch-5 Consumer Rights

Learning outcomes :

1. Students will become aware of their rights and duties as a consumer
2. They will become familiar with legal measures available to protect consumers from being exploited in market.

Art Integration/Activities :

1. Project on topics given by CBSE
2. Viva based on Project

**Unit 11 14.09.2020 to 25.09.2020 (11)**

Topic : Ch-5 Consumer Rights

Learning outcomes :

1. Students will become aware of their rights and duties as a consumer
2. They will become familiar with legal measures available to protect consumers from being exploited in market.

Art Integration/Activities :

1. Project on topics given by CBSE
2. Viva based on Project

**Unit 12 28.09.2020 to 16.10.2020 (15)**

Topic : Revision

**EXAMINATION SCHEDULE :**

**Periodic Asst.-1 30.03.2020 to 04.05.2020**

Topic : Unit-1

**Periodic Asst.-2 11.05.2020 to 27.07.2020**

Topic : Unit-2

**MOCK TEST-1 10.08.2020 to 21.08.2020**

Topic : Unit-1 to 7

**Pre-Board-1 12.11.2020 to 04.12.2020**

Topic : Unit-1 to 12 (whole syllabus)

**Pre-Board-2 22.12.2020 to 11.01.2021**

Topic : Unit-1 to 12 (whole syllabus)

## INFORMATION TECHNOLOGY

**Prescribed Book : NCERT**

**Unit 1 02.03.2020 to 13.03.2020 (08)**

Topic : Web Applications

Activity : Create a web blog (Online, offline)

**Unit 2 16.03.2020 to 27.03.2020 (10)**

Topic : Web Applications (Cont....)

Activity : Create Gtalk account. Visit any online transactions.

**Unit 3 30.03.2020 to 18.04.2020 (13)**

Topic : Word Processing

Activity : Letter writing, News paper advertisement writing.

**Unit 4 20.04.2020 to 01.05.2020 (10)**

Topic : Word Processing (Cont....)

Activity : Poster making, Invitation for school annual day.

**Unit 5 04.05.2020 to 15.05.2020 (09)**

Topic : Spreadsheet

Activity : Preparing result sheet of your class.

**Unit 6 15.05.2020 to 26.06.2020 (10)**

Topic : Spreadsheet (Cont....)

Activity : Creating charts

**Unit 7 29.06.2020 to 10.07.2020 (11)**

Topic : Presentation

Activity : Make a ppt – using audio, video effects, slide transitions, animations.

**Unit 8 13.07.2020 to 24.07.2020 (10)**

Topic : Presentation (Cont...)

Activity : Make a ppt – add notes, tables, charts, speaker note, delivering a ppt, handouts.

**Unit 9 & Rev. 27.07.2020 to 07.08.2020 (09)**

Topic : Email Messaging

Activity : Creating a calendar showing week's schedule, categorize same type of entries, share the calendar, create a meeting request, create a journal entry.

**Unit 10 24.08.2020 to 11.09.2020 (15)**

Topic : Database Development

Activity : Create a table in design view, and enter the data.

**Unit 11 14.09.2020 to 25.09.2020 (11)**

Topic : Database Development

Activity : Creating a forms, reports and queries on database.

**Unit 12 28.09.2020 to 16.10.2020 (15)**

Topic : Employability Skills

**EXAMINATION SCHEDULE :**

**Periodic Asst.-1 30.03.2020 to 04.05.2020**

Topic : Unit 1 & 2

**Periodic Asst.-2 11.05.2020 to 27.07.2020**

Topic : Unit 3 to 6

**MOCK TEST-1 10.08.2020 to 21.08.2020**

Topic :

**Pre-Board-1 12.11.2020 to 04.12.2020**

Topic : Unit 1 to 14

**Pre-Board-2 22.12.2020 to 11.01.2021**

Topic : Unit 1 to 14

## FINANCIAL MARKETS MANAGEMENT

**Prescribed Book :**

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

**Teaching Objectives :**

The main objectives of this syllabus is 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 02.03.2020 to 13.03.2020 (08)**

Topic : CH - Investment Basics

i. Different forms of money

Employability Skills

CH-1 Communication Skills-I

Art Integration : Project - Investment,  
NLT Software (Function key accelerator)

Learning Outcomes :

- a. Causes of investment
- b. Tools of investment
- c. Define Stock Exchanges
- d. Find the depositories of the country

**Unit 2 16.03.2020 to 27.03.2020 (10)**

Topic : CH- Securities

i. Evolution of money

Employability Skills

CH1Communication Skills-I

Art Integration : Project –Nifty 50

NLT Software (Function key accelerator)

Learning Outcomes :

- a. Who can invest in securities market ?
- b. Need of regulators
- c. Role of SEBI
- d. Participant Registration

**Unit 3 30.03.2020 to 18.04.2020 (13)**

Topic : CH-Primary Market

Employability Skills

CH 2Self-management Skills-I

Art Integration : Project - NSE

NLT Software (Function key accelerator)

Learning Outcomes :

- a. Who can bring new issue
- b. Need for issue
- e. Market Capitalisation
- d. Public vs Private Placement

**Unit 4 20.04.2020 to 01.05.2020 (10)**

Topic : CH-Secondary Market

Employability Skills

CH-2 Self-management Skills-I

Art Integration : Project –Securities Market

NLT Software (Function key accelerator)

Learning Outcomes :

- a. Difference between Primary Market and Secondary Market
- b. Identify Demutualise stock exchanges in India

**Unit 5 04.05.2020 to 15.05.2020 (09)**

Topic : Ch-Secondary Market

Employability Skills

Ch-3 Information and

Communication Technology Skills

Art Integration : Project -GST,

NLT Software (Function key accelerator)

Learning Outcomes :

- a. Process of SBTS
- b. Direct market access

**Unit 6 15.05.2020 to 26.06.2020 (10)**

Topic : Ch-Derivatives

Employability Skills

Ch-4 Entrepreneurial Skills-I

**Unit 7 29.06.2020 to 10.07.2020 (11)**

Topic : CH-Depository

Employability Skills

CH 4 Entrepreneurial Skills-I

Art Integration : NLT Software (Function key  
accelerator)

Learning Outcomes :

- a. Find the Derivatives Instruments
- b. Difference between Future & Options
- c. Identify the features of Commodity Derivatives
- d. Difference between Commodity Derivatives & Financial Derivatives

<b>Unit 8</b>	<b>13.07.2020 to 24.07.2020</b>	<b>(10)</b>
Topic	: CH- Miscellaneous Employability Skills CH 5 Green Skills-I	
Art Integration : Project – NSDL, NLT Software (Function key accelerator)		
Learning Outcomes :		
a. Similarities between Bank and Depository		
b. Role of Depository		
c. Benefits of Equity ownership		
d. Describe ISIN		
e. Role of Custodians		
<b>Unit 9 &amp; Rev.</b>	<b>27.07.2020 to 07.08.2020</b>	<b>(09)</b>
Topic	: CH- Miscellaneous Employability Skills CH-5 Green Skills-I	
Art Integration : NLT Software (Function key accelerator)		
Learning Outcomes :		
a. Distinguish between Cash benefits & Stock benefits		
b. Tools of Corporate Actions		
c. Describe Nifty / Sensex		
d. How Nifty calculate ?		
<b>Unit 10</b>	<b>24.08.2020 to 11.09.2020</b>	<b>(15)</b>
Topic	: CH-Concepts and modes of Analysis	
Art Integration : NLT Software (Function key accelerator)		
Learning Outcomes :		
a. Clearing Corporation of NSE		
b. Rolling Settlement		
c. Post Market Activities		
<b>Unit 11</b>	<b>14.09.2020 to 25.09.2020</b>	<b>(11)</b>
Topic	: CH- Ratio Analysis	
Art Integration : NLT Software (Function key accelerator)		

Learning Outcomes :

- Simple Interest
- Compound Interest
- Effective Annual Return
- Learning Accounting terms and technologies

**Unit 12** **28.09.2020 to 16.10.2020** **(15)**

Topic : Revision

Art Integration : NLT Software (Function key  
accelerator)

Learning Outcomes :

- Liquidity Ratios
- Capital Ratios
- Profitability Ratios

**EXAMINATION SCHEDULE :**

**Periodic Asst.-1** **30.03.2020 to 04.05.2020**

Topic : Ch 1, 2, 3

**Periodic Asst.-2** **11.05.2020 to 27.07.2020**

Topic : Ch 4,5,6

**MOCK TEST-1** **10.08.2020 to 21.08.2020**

Topic :

**Pre-Board-1** **12.11.2020 to 04.12.2020**

Topic : Whole syllabus

**Pre-Board-2** **22.12.2020 to 11.01.2021**

Topic : Whole syllabus

## RETAIL MANAGEMENT

**Prescribed Book** : NCERT

**Reference books** : T.S. GREWAL

**General Objectives** :

- ◆ Evaluate the services to be rendered by retailers to the customers.
- ◆ Classify the various formats of store and non store retailing.
- ◆ Identify elements of communication cycle.
- ◆ Enlist the advantages of customer service.

**Unit 1** **02.03.2020 to 13.03.2020** **(08)**

Topic : Introduction to Retailing  
- Understanding the concept and  
Function of retailing

Learning Outcomes : Understand the importance  
of retail sector. State the function of retailing  
Art Integration : Flow Chart to understand function  
of Retailing

**Unit 2** **16.03.2020 to 27.03.2020** **(10)**

Topic : Introduction to Retailing  
- Identifying trends in retail

Learning Outcomes :

- Identify trends in retail sector
- overview the Indian retails sector

Art Integration : Flow Chart

**Unit 3** **30.03.2020 to 18.04.2020** **(13)**

Topic : Store Design & Layout  
- Understanding retail store  
- Design and its objectives

Learning Outcomes :

- Understand Store Design & Layout
- State the objective of store design

Art Integration : Discussion on how the store  
should be design

**Unit 4** **20.04.2020 to 01.05.2020** **(10)**

Topic : Store Design & Layout  
- Understand Store Design &  
Layout & its types

Learning Outcomes :

- Understand Store Layout
- Identify types of store layout

Art Integration : Flow Chart

**Unit 5** **04.05.2020 to 15.05.2020** **(09)**

Topic : Introduction to Merchandising Mix  
- Understand merchandising mix  
- Understand merchandising  
Function

Learning Outcomes :

- Familiarise with the concept of merchandise mixing
- Understand the role of merchandising in day to day life

Art Integration : Flow Chart

**Unit 6 15.05.2020 to 26.06.2020 (10)**

Topic : Introduction to Merchandising Mix  
Understanding the importance of merchandising for the retailers

Learning Outcomes : Understanding the role of merchandising for the retailers

Art Integration : Flow Chart

**Unit 7 29.06.2020 to 10.07.2020 (11)**

Topic : Visual merchandising  
- Analyzing elements of store design  
- History of visual Merchandising

Learning Outcomes :

- Understand Visual merchandising
- Know genesis and growth of Visual merchandising

Art Integration : Flow Chart

**Unit 8 13.07.2020 to 24.07.2020 (10)**

Topic : Visual merchandising  
- Principles of Visual merchandising  
- Importance of Visual merchandising  
- Impact of Visual merchandising

Learning Outcomes :

- Understand the importance of Principles of Visual merchandising
- Learn about the Impact of Visual merchandising

Art Integration : Flow Chart

**Unit 9 & Rev. 27.07.2020 to 07.08.2020 (09)**

Topic : Understanding the importance of transport  
- Understanding the importance of transport  
- Advantages and disadvantages of various modes of transport

Learning Outcomes :

- State importance of transport
- Identify modes of transport
- Enumerate Advantages and disadvantages of various modes of transport

Art Integration : Flow Chart

**Unit 10 24.08.2020 to 11.09.2020 (15)**

Topic : Business communication  
- Understanding the communication process  
- Understanding the communication with internal and external customers

Learning Outcomes :

- Understand the communication process
- Understand the function of communication

Art Integration : Flow Chart

**Unit 11 14.09.2020 to 25.09.2020 (11)**

Topic : Profile of junior merchandiser  
- Purpose and duties of junior merchandiser  
- Planning and preparing merchandising display

Learning Outcomes :

- Understand the Purpose and duties of junior merchandiser
- Organize the display of products at store

Art Integration : Flow Chart

**Unit 12 28.09.2020 to 16.10.2020 (15)**

Topic : Profile of junior merchandiser

- Merchandise and props
- Health and safety hazards

Learning Outcomes : Identify and use suitable props for merchandise display

Art Integration : Flow Chart

**REVISION SCHEDULE :**

**Rev. Pre-Board-1 19.10.2020 to 10.11.2020 15**

Topic : Entire Syllabus

**Rev. Pre-Board-2 08.12.2020 to 18.12.2020 09**

Topic : Entire Syllabus

**EXAMINATION SCHEDULE :**

**Periodic Asst.-1 30.03.2020 to 04.05.2020**

Topic : Introduction To Retailing

**Periodic Asst.-2 11.05.2020 to 27.07.2020**

Topic : Store Design And Layout,  
Introduction To Merchandising

**MOCK TEST-1 10.08.2020 to 21.08.2020**

Topic : Chapter 1 To 4

**Pre-Board-1 12.11.2020 to 04.12.2020**

Topic : Entire syllabus

**Pre-Board-2 22.12.2020 to 11.01.2021**

Topic : Entire syllabus

## PHYSICAL EDUCATION

**Prescribed Book : NCERT**

**General Objectives :**

Physical Education literally means to educate one self through the use and control of the physical movements of the different parts of body. It seeks to develop and enhance the physical, mental and spiritual aspects of man.

Physical Education has five main goals it wishes to achieve, these are :

1. Developing a better physique.
2. Control of bodily movement.
3. Better mental health.



4. Improvement of society as a whole.  
5. Emotional development.

**Specific Objectives :**

- ❖ To develop awareness about physical Education.
- ❖ To identify the role of warming up and limbering down.
- ❖ To know historical education, rules and Terminologies of various sports and games.
- ❖ To understand the concept of fatigue.
- ❖ To understand the concept of physical education.
- ❖ To gain knowledge about health.
- ❖ To create discipline.
- ❖ To Leadership qualities.
- ❖ To know about the importance of stretching and flexibility.

<b>Unit 1</b>	<b>02.03.2020 to 13.03.2020</b>	<b>(08)</b>
Topic	: Introduction to physical education, Warming up, Jogging, walking, free movement Exercise, commands (HPE).	
<b>Unit 2</b>	<b>16.03.2020 to 27.03.2020</b>	<b>(10)</b>
Topic	: Introduction of game and fundamental skills-Football, Badminton, Lawn Tennis	
<b>Unit 3</b>	<b>30.03.2020 to 18.04.2020</b>	<b>(13)</b>
Topic	: Introduction in games and basic skill of Kho-Kho, Basketball, Kabaddi and T.T.	
<b>Unit 4</b>	<b>20.04.2020 to 01.05.2020</b>	<b>(10)</b>
Topic	: Physical fitness assessment (I).	
<b>Unit 5</b>	<b>04.05.2020 to 15.05.2020</b>	<b>(09)</b>
Topic	: Track events, Field events, physical fitness assessment test continuous	
<b>Unit 6</b>	<b>15.05.2020 to 26.06.2020</b>	<b>(10)</b>
Topic	: Shuttle race, High jump, Volleyball	

<b>Unit 7</b>	<b>29.06.2020 to 10.07.2020</b>	<b>(11)</b>
Topic	: (HPE) Physical fitness assessment test continuous	
<b>Unit 8</b>	<b>13.07.2020 to 24.07.2020</b>	<b>(10)</b>
Topic	: Physical fitness assessment (II)	
<b>Unit 9 &amp; Rev.</b>	<b>27.07.2020 to 07.08.2020</b>	<b>(09)</b>
Topic	: Fitness test, Basketball, kho-kho, Volleyball	
<b>Unit 10</b>	<b>24.08.2020 to 11.09.2020</b>	<b>(15)</b>
Topic	: Minor games, Exercise, Long jump, Relay race, HPE	
<b>Unit 11</b>	<b>14.09.2020 to 25.09.2020</b>	<b>(11)</b>
Topic	: Lawn Tennis, Football, Cricket, Practice Match	
<b>Unit 12</b>	<b>28.09.2020 to 16.10.2020</b>	<b>(15)</b>
Topic	: Physical fitness assessment test continuous	

**SOCIAL EMPOWERMENT  
THROUGH WORK EDUCATION  
AND ACTION (SEWA)**

**Theme : DIGITAL INDIA**

**General Objectives :**

- ◆ Plan, initiate and implement activities
- ◆ Learn to work in teams and collaborate through organizing activities/events in terms of skills, interest, motivation and professional growth
- ◆ Identify and nurture areas of strength and identify areas requiring further growth
- ◆ Engage with issues of social concern in the community, society, state and nation
- ◆ Develop new life skills and strategies and become lifelong learners.

<b>Unit 1</b>	<b>02.03.2020 to 13.03.2020</b>	<b>(08)</b>
Topic	: Block Teaching	
<b>Unit 2</b>	<b>16.03.2020 to 27.03.2020</b>	<b>(10)</b>
Topic	: Block teaching	
<b>Unit 3</b>	<b>30.03.2020 to 18.04.2020</b>	<b>(13)</b>
Topic	: Introduction to SEWA with a class discussion on the slogans	
<b>Unit 4</b>	<b>20.04.2020 to 01.05.2020</b>	<b>(10)</b>
Topic	: Slogan Writing	
<b>Unit 5</b>	<b>04.05.2020 to 15.05.2020</b>	<b>(09)</b>
Topic	: Rally against Social Media Bullying	
<b>Unit 6</b>	<b>15.05.2020 to 26.06.2020</b>	<b>(10)</b>
Topic	: Block Teaching	
<b>Unit 7</b>	<b>29.06.2020 to 10.07.2020</b>	<b>(11)</b>
Topic	: Logo Designing	
<b>Unit 8</b>	<b>13.07.2020 to 24.07.2020</b>	<b>(10)</b>
Topic	: Logo Designing	
<b>Unit 9 &amp; Rev.</b>	<b>27.07.2020 to 07.08.2020</b>	<b>(09)</b>
Topic	: Power point presentations	
<b>Unit 10</b>	<b>24.08.2020 to 11.09.2020</b>	<b>(15)</b>
Topic	: Power point presentations	
<b>Unit 11</b>	<b>14.09.2020 to 25.09.2020</b>	<b>(11)</b>
Topic	: Block Teaching	
<b>Unit 12</b>	<b>28.09.2020 to 16.10.2020</b>	<b>(15)</b>
Topic	: Awareness Programme	