



CBSE Aff. No.: 1030842

Medi-Caps International School

MIS DIGEST **(PEDAGOGICAL PLAN)**

SESSION : 2020-21

CLASS -IX



Dear Medi-Captains,

Learning is a process that continues throughout our life. It is not a process to meet an end, as there is no end to learning. Systematic learning is a key to success in life as a famous saying goes 'Failing to plan is a planning to fail' and we want you to succeed on every front. Hence this booklet has been designed in order to facilitate your planning.

MIS Digest has been prepared to give you a quick glance of the syllabus and information of the subject in brevity. We expect you to use it to the maximum in order to plan your learning. It will help you in decision making process by giving you insights of academic content so that you can learn in a systematic and planned manner. We stand always by your side to facilitate in any way we can do so.

Happy Learning!

Regards,

Renu Gurnani
Principal

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ENGLISH			
Name of the Books: Beehive and Moments			
PT I	HALF YEARLY EXAM	PT II	ANNUAL EXAM
Beehive Ch - 1. The Fun They had Ch - 2. The Sound of Music Ch - 3. The Little Girl Ch - 4. A Truly Beautiful Mind Po - 1. The Road Not Taken Po - 2. Wind Po - 3. Rain on The Roof Po - 4. The Lake Isle of Innisfree	Beehive Ch - 5. The Snake and the Mirror Ch - 6. My Childhood Ch - 7. Packing Po - 5. A Legend of the Northland Po - 6. No Men Are Foreign	Beehive Ch - 8. Reach for The Top Ch - 9. The Bond of Love Po - 7. The Duck and the Kangaroo Po - 8. On Killing a Tree Po - 9. The Snake Trying Po - 10. A Slumber did My Spirit Seal	Beehive Ch - 10. Kathmandu Ch - 11. If I Were You
Moments Ch - 1. The Lost Child Ch - 2. The Adventures of Toto Ch - 3. Iswaran the Story teller	Moments Ch - 4. In the Kingdom of Fools Ch - 5. The Happy Prince Ch - 6. Weathering the Storm in Ersama Ch - 7. The Last leaf	Moments Ch - 8. A House is Not a Home Ch - 9. The Accidental Tourist	Moments Ch - 10. The Beggar
Grammar 1. Tenses	Grammar 1. Voice	Grammar 1. Clauses	Grammar Modals

2. Determiners 3. Reporting	2. Subject-verb concord	2. Prepositions	+ Entire Syllabus of PT II + Half Yearly Exam
Writing Skills 1. Story Writing 2. Diary Entry	Writing Skills 1. Article Writing + Entire Syllabus of PT I	Writing Skills 1. Descriptive Paragraph	
HINDI			
NAME OF BOOK: स्पर्शIX – (NCERT)			
PT I	HALF YEARLY EXAM	PT II	ANNUAL EXAM
गद्य पाठ-2.दुःख का अधिकार पाठ-3.एवरेस्ट मेरी शिखर यात्रा पद्य पाठ-9.रैदास के पद पाठ-10.रहीम के दोहे	गद्य पाठ-4.तुम कब जाओगे अतिथि पाठ-6.कीचड़ का काव्य पद्य पाठ-11.आदमीनामा + Entire Syllabus of PT I	गद्य पाठ-7.धर्म की आड़ पद्य पाठ-12.एक फूल की चाह पाठ-14.अग्नि पथ	गद्य पाठ-8.शुक्र तारे के समान पद्य पाठ-1.नए इलाके में खुशबू रचते हैं हाथ + Entire Syllabus of PT II + Half Yearly Exam

NAME OF BOOK: संचयन IX – (NCERT)

पाठ-1. गिल्लू	पाठ-2. स्मृति + Entire Syllabus of PT I	पाठ-5. हमिद खां	पाठ-6. दिये जल उठे + Entire Syllabus of PT II + Half Yearly Exam
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NAME OF BOOK: हिंदी व्याकरण- कोर्स ब (FRANK PUBLICATION)

पाठ-1. अपठित गद्यांश व्याकरण पाठ-3. वर्ण विच्छेद पाठ-3. अनुस्वार पाठ-3. अनुनासिक	व्याकरण पाठ-3. नुक्ता पाठ-4. उपसर्ग पाठ-5. प्रत्यय	पाठ-1. अपठित गद्यांश व्याकरण पाठ-6. संधि	पाठ-1. अपठित गद्यांश व्याकरण पाठ-7. विराम-चिन्ह
रचनात्मक लेखन पाठ-1. पत्र लेखन पाठ-2. संवाद लेखन पाठ-3. अनुच्छेद लेखन	रचनात्मक लेखन पाठ-8. चित्र वर्णन पाठ-10. विज्ञापन लेखन + Entire Syllabus of PT I	रचनात्मक लेखन पाठ-1. पत्र लेखन पाठ-2. संवाद लेखन पाठ-3. अनुच्छेद लेखन	रचनात्मक लेखन पाठ-8. चित्र वर्णन पाठ-10. विज्ञापन लेखन + Entire Syllabus of PT II + Half Yearly Exam

MATHEMATICS

Name of book : NCERT(A Text Book of Mathematics)

PT I	HALF YEARLY EXAM	PT II	ANNUAL EXAM
Ch - 1 Number Systems Ch - 2 Polynomials Ch - 3 Coordinate Geometry Ch - 4 Linear Equations in two variables Ch - 15 Probability Ch - 14 Statistics Ch - 6 Lines and Angles PT-I syllabus -1,2,3,4 and 15 Note: Ch - 5 Introduction to Euclid's Geometry (not to be asked in exam as per CBSE)	Ch - 7 Triangles Ch - 8 Quadrilaterals + Entire Syllabus of PT I Half Yearly syllabus-1,2,3,4,6,7,8,14 and 15	Ch - 9 Areas of parallelograms and triangles Ch - 10 Circles Ch - 11 Constructions Ch - 12 Heron's Formula PT-II syllabus 9, 10, 11, 12	Ch - 13 Surface Area and Volume + Syllabus of Half Yearly + PT-II

SCIENCE

Name of Book : Science Textbook For Class -9

PT I	HALF YEARLY EXAM	PT II	ANNUAL EXAM
Physics Ch-8: Motion	Physics Ch-9: Force And Laws Of Motion	Physics Ch-11: Work and energy Ch-12: Sound	Physics Ch-10: Gravitation Floatation

	Ch-10: Gravitation		(Continued)
Chemistry Ch-1: Matter in our Surrounding	Chemistry Ch-2: Is Matter Around Us Pure?	Chemistry Ch-4: Structure Of The Atom	Chemistry Ch-3: Atoms And Molecules
Biology Ch-5: Fundamental Unit Of Life - Cell	Biology Ch 14: Natural Resources Ch-15: Improvement In Food Resources + Entire Syllabus of PT I	Biology Ch 7: Diversity in Living Organisms	Biology Ch-6: Tissues Ch 13: Why Do We Fall Ill? + Entire Syllabus of PT II + Half Yearly Exam

SOCIAL SCIENCE

Name of Book : Textbook of Social Science (NCERT)

PT I	HALF YEARLY EXAM	PT II	ANNUAL EXAM
History Sub-unit 1.1 Ch1: The French Revolution	History Sub-unit 1.1: Ch-3 : Nazism and the Rise of Hitler	History Sub-unit 1.2: Ch-4: Forest Society and Colonialism	History Sub-unit 1.1: Ch-2: Socialism in Europe and the Russian Revolution + Complete syllabus
Geography	Geography	Geography	Geography

Ch-1: India –Size and Location Ch-2: Physical Features of India	Ch-3: Drainage Ch-4: Climate	Ch-5: Natural Vegetation and Wild Life Ch-6 : Population	Complete syllabus
Civics Ch-2: What is Democracy? Why Democracy? Ch3: Constitutional Design	Civics Ch-4: Electoral Politics	Civics Ch-5: Working of Institution Ch-6: Democratic Rights	Civics Complete syllabus
Economics Ch-1: The Story of Village Palampur Ch-2: People as Resource	Economics + Entire Syllabus of PT I	Economics Ch-3: Poverty as a Challenge Ch-4: Food Security in India	Economics Complete syllabus

COMPUTER APPLICATION

Name of Book: Cyber Beans Computer Application

PT I	HALF YEARLY EXAM	PT II	ANNUAL EXAM
Unit I: Basics of Information Technology	Unit II: Cyber Safety Unit III: Office Tools Entire Syllabus of PT I	Unit III: Office Tools	Unit IV: Scratch/Python Entire Syllabus of PT II + Half Yearly Exam

OBJECTIVE	LEARNING OUTCOMES	EXPERIENTIAL LEARNING /INTEGRATED ART EDUCATION
LITERATURE BEEHIVE		
LESSON-1 THE FUN THEY HAD • Virtual classroom • Understand the theme- futuristic education system vs. current one	Students will be able to:- • Read with correct intonation. • Identify the types of sentences (simple, compound and complex). • Understand Subject-verb agreement. • Write Character Sketch. • Enrich their vocabulary. • Enhance reading skills.	Write an article for your school magazine on “Technology a boon or a bane.”
LESSON 2 -THE SOUND OF MUSIC • Critically analyze the journey of two famous musicians.	Students will be able to:- • Comprehend the text. • Answer questions related to the chapter. • Enhance reading skills.	Make a diary entry as the ‘nai’ who created the shehnai
POEM-1 THE ROAD NOT TAKEN • Importance of taking right decisions in life. • Identify the poetic devices.	Students will be able to:- • Appreciate the poem and understand the rhythm and rhyming pattern. • Recite with correct intonation. • Use Imagery and other poetic devices. Enrich their vocabulary.	You are passionate about becoming a research scholar. Your friends do not appreciate your choice. Your family wants you to settle down to a comfortable life because they have a lot of wealth that is

OBJECTIVE	LEARNING OUTCOMES	EXPERIENTIAL LEARNING /INTEGRATED ART EDUCATION
		yours to keep. Make a choice and elaborate what it would be.
POEM-2 WIND Critically analyze the importance of strength and perseverance.	Students will be able to:- Appreciate the poem and understand the rhythm and rhyming pattern of the poem.	You work for an NGO. How would you increase the awareness among the people living in slums on managing disasters brought by high speed wind?
LESSON 3 -THE LITTLE GIRL Students will get to know about the relationship between the children and their parents.	Students will be able to:- - Read the text with proper intonation. - Enhance reading skills. - Enrich their vocabulary. Answer the questions.	“Spare the rod and spoil the child”, explain the relevance of this proverb in today’s society.
POEM-3 RAIN ON THE ROOF Analyze and think about the emotions portrayed by the speaker and identify the poetic devices.	Students will be able to:- - Appreciate the poem and understand the rhythm and rhyming pattern of the poem - Learn homographs, similes and metaphors. - Identify the gist of the poem. Recite the poem	Little Rahul, a slum dweller was alone at his home in Kanyakumari, when the Complete the story and give it a suitable title.
LESSON 4 - TRULY BEAUTIFUL MIND Understand and analyze the	Students will be able to:- Understand and comprehend the text/extract.	Write a character sketch of “Albert Einstein”.

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importance of hard work and determination	• Enrich their Vocabulary. • Learn scientific terms and their usage. • Use of Prefixes and Suffixes. Enhance reading skills.	
POEM-4 THE LAKE ISLE OF INNISFREE • Understand the importance of the beauty and solace that nature offers.	Students will be able to:- • Appreciate the poem and understand the rhythm and rhyming pattern. • Recite with correct intonation. • Use Imagery and other poetic devices. • Enrich their vocabulary.	“Health is the greatest gift, contentment the greatest wealth, faithfulness the best relationship”. Elaborate this thought of Gautam Buddha, by taking ideas from the poem.
MOMENTS		
LESSON 1 -LOST CHILD • Enable students to prioritize what’s important and what’s not important in life • Understand the importance of parents in their life • Develop listening, speaking and writing skills.	Students will be able to:- • Read with correct intonation. • Enhance Vocabulary. • Understand Phrasal Verbs. • Develop listening, speaking and writing skills.	Author study Mulk Raj Anand Write a script and present a skit to create awareness in peers regarding precautions to be taken while moving in a crowded area.

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LESSON 2 -THE ADVENTURES OF TOTO Make the students - Identify the genre to which the story belongs. - Understand the techniques used by the author -express the theme of the story - Provide a synopsis of the story - to enhance vocabulary	Students will be able to:- - Read the text with proper intonation. - Comprehend the text. - Answer the questions. - Enhance the reading skill.	Sharing Opinion on 'Animal behind Bars' Slogan writing on 'Save Tiger' & 'Conservation of Animal Species in India'
LESSON 3 -ISWARAN THE STORY TELLER - Understand the techniques used by the author -express the theme of the story. - Provide a synopsis of the story - to enhance vocabulary	Students will be able to:- - Understand and comprehend the text. - Learn the different types of stories. - Enhance the vocabulary. - Learn story writing. Learn Proverbs, Clauses and their types	As his employer write a letter to Mahendra requesting him to continue at his current posting giving adequate reasons for same.
GRAMMAR		
1 DETERMINERS Students will be able to frame grammatically correct sentences.	Students will be able to:- - Understand & define Determiners & Articles. - Differentiate between Determiners and Adjectives.	Group presentation

OBJECTIVE	LEARNING OUTCOMES	EXPERIENTIAL LEARNING /INTEGRATED ART EDUCATION
	• Understand the kinds of Determiners. • Understand Articles, its types and their usage. • Frame grammatically correct sentences.	
2 TENSES Students will understand the structure of Tenses.	Students will be able to:- • Understand the structure of Tenses. • Apply it in their speech and writing. • Identify various types of past tense verbs and form sentences.	Audio visual and PPT
LESSON -3 - REPORTING Enable students to change direct speech into indirect speech (reporting the words of the speaker)	Students will be able to Change direct speech to indirect speech	Audio visual and PPT
WRITING SKILLS		
STORY WRITING Students will be able to draft stories using given outlines DIARY ENTRY Students write narrative accounts in the form of diary entry from a character's point of view.	Students will be able to:- • Use imagination and creativity to develop the plot. • Use suspense and proper expression to create interest. • Enhance the writing skill. • Children learn to develop plot and character. • Writing skills of a child gets improved .	• Story writing competition • Practice questions

OBJECTIVE	LEARNING OUTCOMES	EXPERIENTIAL LEARNING /INTEGRATED ART EDUCATION
LITERATURE BEEHIVE		
LESSON 5-THE SNAKE AND THE MIRROR Understand and analyze all creatures have right to live and also to understand the message conveyed.	Students will be able to:- - Read and understand the lesson. - Vocabulary building - Answer the questions. - Enact the lesson in the classroom- Role play.	Write a different conclusion to the story, while maintaining the humor.
POEM-5 A LEGEND OF NORTHLAND - Understand the theme of the poem and the use of 'Symbolism' in the poem. - Critically analyze the importance of helping someone in need.	Students will be able to:- - Appreciate the poem and understand the rhythm and rhyming pattern of the poem - Learn figures of speech - Identify the gist of the poem. Recite the poem	Translate the poem into a passage.
LESSON 6- MY CHILDHOOD Know and understand the theme of the lesson by analyzing that equality leads to happiness.	Students will be able to:- - Read and understand the text. - Vocabulary will be enhanced. - Use Phrasal Verbs. - Learn question tags. - Summarize the story.	- Read any book written by Mr. Kalam and share your experiences. - Dr. Kalam's motivational videos will be shown and students would reflect on the same.
POEM -6 NO MEN ARE FOREIGN To understand that discrimination is	Students will be able to:- Appreciate the poem and understand the	Listen to the speeches of noble peace prize winners and

OBJECTIVE	LEARNING OUTCOMES	EXPERIENTIAL LEARNING /INTEGRATED ART EDUCATION
inhuman and we should stay in harmony. Critically analyze equality and brotherhood leads to happiness.	rhythm and rhyming pattern. - Recite with correct intonation. - Use Imagery and other poetic devices. - Enrich their vocabulary	prepare a declamation speech
LESSON 7-PACKING To understand that how mental status of a person affects his / her work.	Students will be able to:- - Read and comprehend the text. - Enhance Vocabulary. - Enhance reading skills. - Write character sketches. - Understand direct and indirect speech.	Write a letter to the General Manager of the central Railway to complain about the pathetic conditions of washrooms in the trains.
MOMENTS		
LESSON 4 - IN THE KINGDOM OF FOOLS - Reading and appreciating the text. - Understanding the plot, the style of writing and the genre. Word meanings, expanding the vocabulary with new words, usage of new words. - Understanding the characterization and other elements of a story.	Students will be able to:- - Read with correct intonation. - Understand Compound Adjectives and Punctuation Marks. - Enrich their vocabulary. - Write Character sketch	Students will be divided into groups to present a skit on the story.
LESSON 5-THE HAPPY PRINCE	Students will be able to:-	Use Mind map to describe the happy prince.

OBJECTIVE	LEARNING OUTCOMES	EXPERIENTIAL LEARNING /INTEGRATED ART EDUCATION
• To facilitate the understanding of the text and enhance vocabulary. • To enhance the ability to move beyond the text for extrapolation. • Acquisition of grammatical accuracy. • To develop the writing skills of the students.	• Read and understand the lesson. • Vocabulary building • Answer the questions. Enact the lesson in the classroom- Role play	
LESSON 6-WEATHERING THE STORM IN ERSAMA • Reading and appreciating the text • Understanding the plot, the style of writing and the genre, Word meanings. • Expanding the vocabulary with new words, usage of new words. • Understanding the characterization and other elements.	Students will be able to:- • Understand and comprehend the text. • Learn to write diary writing. • Enhance the vocabulary. • Learn story writing. Learn Proverbs, Clauses and their types.	Make a poster to create awareness regarding cyclones.
LESSON 7-THE LAST LEAF • Understand the value of pessimism, sacrifice, love and friendship. • Enrich their vocabulary.	Students will be able to:- • Read with correct intonation. • Understand Compound Adjectives and Punctuation Marks.	Write some quotes about positive thinking and importance of friendship.

OBJECTIVE	LEARNING OUTCOMES	EXPERIENTIAL LEARNING /INTEGRATED ART EDUCATION
Understand and comprehend the text.	Enrich their vocabulary. Write Character sketch	
GRAMMAR		
1.VOICE (ACTIVE AND PASSIVE VOICE) Students will be able to understand definition of Active and Passive Voice, their difference and usage.	Students will be able to:- - Understand definition of Active and Passive Voice, their difference and usage. - Understand the rules and application of rules in conversion of Active to Passive Voice and from Passive to Active Voice in various Tenses.	Worksheets
2.SUBJECT-VERB CONCORD Students will be able to know Subject-Verb Agreement for all types of sentences.	Students will be able to:- - Understand agreement of Finite Verbs with its Subject in Number and Person. - Learn Subject-verb Agreement with Personal Pronouns. - Identify Proximity of Subjects and Verbs. - Know Subject-Verb Agreement for Compound Subjects.	Presentations
WRITING SKILL		
ARTICLE WRITING Usage of Article Writing , components of	Students will come to know :Format, components and applications of article writing	PPT/Audio Visuals

OBJECTIVE	LEARNING OUTCOMES	EXPERIENTIAL LEARNING /INTEGRATED ART EDUCATION
this writing task, applications in current day formats of writing article.		
PT – II EXAM		
LITERATURE BEEHIVE		
LESSON 8-REACH FOR THE TOP Understand the importance of values in life	The students will be able to - Enhance vocabulary - Inculcate values like honesty, trust, responsibility etc	Diary Entry
LESSON 9-THE BOND OF LOVE Understand and analyze the need of love in universe.	The students will be able to - Enhance vocabulary - Inculcate values like love towards animals.	Character Card
POEM-7 THE DUCK AND THE KANGROO Understand the value of friendship.	Students will be able to:- - Understand and comprehend the text. - Learn to write diary writing. - Enhance the vocabulary. - Learn story writing. Learn Proverbs, Clauses and their types	Story Writing
POEM -8 ON KILLING A TREE Understand that conserving nature is	Students will be able to:- Read and understand the lesson.	Article Writing

OBJECTIVE	LEARNING OUTCOMES	EXPERIENTIAL LEARNING /INTEGRATED ART EDUCATION
need of the hour. • Critically analyze the depleting forest cover.	• Vocabulary building • Answer the questions.	
POEM-9 THE SNAKE TRYING • Understand the importance of values in life. • Analyze the movement of snake.	Students will be able to:- • Read and understand the lesson. • Vocabulary building • Answer the questions	Animal Cross Word
POEM-10 A SLUMBER DID MY SPIRIT SEAL • Critically analyze how to deal with a tragic loss.	Students will be able to:- • Comprehend the text. • Answer questions related to the chapter. • Enhance reading skills.	Situation Analysis
MOMENTS		
LESSON 8-A HOUSE IS NOT A HOME • Reading and appreciating the text. • Understanding the plot, the style of writing and the genre. • Word meanings, expanding the vocabulary with new words, usage of new words.	Students will be able to:- • Read with correct intonation. • Understand Compound Adjectives and Punctuation Marks. • Enrich their vocabulary. • Write Character sketch	Description

OBJECTIVE	LEARNING OUTCOMES	EXPERIENTIAL LEARNING /INTEGRATED ART EDUCATION
LESSON 9- THE ACCIDENTAL TOURIST - Identify the genre to which the story belongs. - Understand the techniques used by the author to express the theme of the story	Students will be able to:- - Comprehend the text. - Answer questions related to the chapter. - Enhance reading skills.	Character Card
GRAMMAR		
1.CLAUSES Student will be able to define a Phrase and a Clause and will also understand the difference between Phrases and Clauses	Students will be able to:- - Define a Phrase and a Clause - Understand the difference between Phrases and Clauses - Learn about kinds of Phrases and Clauses - Understand the position of clauses - Understand Main Clause and Subordinate Clause	Worksheet
2.PREPOSITIONS Students will learn the uses of Prepositions	Students will be able to:- - Understand object and Types of Prepositions. - Learn Uses of Prepositions.	Chart Making
WRITING SKILLS		
DESCRIPTIVE PARAGRAPH	Students will be able to:-	PPT / Works sheet

OBJECTIVE	LEARNING OUTCOMES	EXPERIENTIAL LEARNING /INTEGRATED ART EDUCATION
- The primary purpose of descriptive writing is to describe a person, place or thing in such a way that a picture is formed in the reader's mind. - Teaching students to write more descriptively, will improve their writing by making it more interesting and engaging to read.	- Explain how a person looks or how a person may behave. - This type of paragraph can also explain the way a place or object appears.	
ANNUAL EXAM		
LITERATURE BEEHIVE		
LESSON 10-KATHMANDU Understand the importance of the beauty and solace that travelling offers.	Students will be able to:- - Comprehend the text. - Answer questions related to the chapter. - Enhance reading skills.	Article Writing
LESSON 11- IF I WERE YOU Critically analyze the technique used by Gerrad to befool the intruder.	Students will be able to:- - Comprehend the text. - Answer questions related to the chapter. - Enhance reading skills.	Presentation
MOMENTS		
LESSON 10 -THE BEGGAR	Students will be able to:-	Story Writing

OBJECTIVE	LEARNING OUTCOMES	EXPERIENTIAL LEARNING /INTEGRATED ART EDUCATION
Critically analyse how to deal with life on different turns.	- Comprehend the text. - Answer questions related to the chapter. - Enhance reading skills.	
GRAMMAR		
1. MODALS Students will be able to use/ Frame sentences according to the situations	Students will be able to:- - Understand the definition and its types. - Differentiate/ identify various types. - Use/ Frame sentences according to the situations.	Presentation

शीर्षक	उद्देश्य	शिक्षण संप्राप्ति	गतिविधि
पाठ-2 : दुःख का अधिकार	- चयन क्षमता का विकास - समान अर्थी वाले शब्दों की पहचान - शब्द भंडार में वृद्धि ।	विद्यार्थी जानेंगे: - शुद्ध उच्चारण - कौशल का विकास सहभागिता की प्रवृत्ति का विकास ।	- नाट्य-रूप में मंचन - यू-ट्यूब वीडियो
पाठ-3 : एवरेस्ट मेरी शिखर यात्रा	- स्वाध्याय के लिए प्रेरित करना। - यात्रा-वृत्तांत से परिचित करवाना । - पर्वतारोहियों की जीवन शैली व अनुभवों से परिचय ।	विद्यार्थी जानेंगे: - सहभागिता की भावना का विकास । - मंच - भय से मुक्ति ।	कक्षा के बाहर ले जाकर वातावरण और पाठ के विषय में समझाया जाएगा ।
पाठ-9 : रैदास के पद	- भक्ति-भाव से जुड़ाव। - गायन\संगीतात्मक शैली का वर्णन । - नैतिक मूल्यों का विकास ।	विद्यार्थी जानेंगे: - संगीतात्मक रुचि उत्पन्न होगी । - कविता के प्रति रुचि उत्पन्न होगी ।	भक्त कवि कबीर, गुरुनानक, नामदेव और मीराबाई की रचनाओं का संकलन ।
पाठ-10 : रहीम के दोहे	- काव्य के प्रति आकर्षण उत्पन्न करने के लिए । - अनुभव क्षमता का विकास ।	विद्यार्थी जानेंगे: रचनात्मक-लेखन का विकास होगा ।	पुस्तक के अलावा दोहों का संग्रह एवं वाचन ।

		● शब्द चयन व सटीक वाक्य रचना सीखेंगे ।	
संचयन			
पाठ-1 : गिल्लू	● प्रकृति के अनिवार्य अंग से जोड़ना । ● पक्षियों के प्रति आकर्षण एवं प्रेम-भाव जागृत करना ।	विद्यार्थी जानेंगे: ● विलुप्त प्रजातियों का ज्ञान होगा । ● विचार विश्लेषण क्षमता का विकास होगा ।	● प्रिय पक्षी\पशु के विषय में सम्पूर्ण जानकारी लिख कर उससे सम्बंधित चित्र चिपकाने को कहे जाएँगे ।
अपठित बोध			
पाठ-1 : अपठित गद्यांश	● गद्यांश पढ़कर उत्तर देना ।	विद्यार्थी जानेंगे: ● उचित वाक्य का निर्माण कर उत्तर लेखन करने में सक्षम होंगे । ● पठन व लेखन कौशल का विकास होगा ।	● अपठित गद्यांश देकर प्रश्नों पर चर्चा करना

व्याकरण			
पाठ-3 : ● वर्ण-विच्छेद ● अनुस्वार ● अनुनासिक	● विचार मंथन एवं चिंतन। ● व्याकरण ज्ञान में अभिवृद्धि। ● अनुस्वार एवं अनुनासिक में अंतर बोध।	विद्यार्थी जानेंगे: ● उचित प्रयोग का विकास होगा। ● शब्द भण्डार में वृद्धि होगी।	● कार्य प्रपत्र द्वारा पहचान एवं प्रयोग करवाया जाएगा।
रचनात्मक लेखन			
पाठ-8 : अनुच्छेद लेखन पाठ-9 : पत्र-लेखन पाठ-11 : संवाद लेखन	● पत्र-लेखन का महत्व एवं प्रारूप, विभिन्न विषयों पर पत्र-लेखन	विद्यार्थी जानेंगे: ● उचित प्रयोग का विकास होगा। ● शब्द भण्डार में वृद्धि होगी।	● कार्य प्रपत्र द्वारा पहचान एवं प्रयोग करवाया जाएगा।
अर्द्धवार्षिक परीक्षा			
पाठ-4 : तुम कब जाओगे, अतिथि	● भारतीय संस्कृति में अतिथि के विषय में अवधारणा से परिचय। ● शुद्ध उच्चारण कौशल का विकास। ● विचार विश्लेषण की क्षमता का	विद्यार्थी जानेंगे: ● वर्तमान समय में अतिथि का देवत्व किस प्रकार सुरक्षित रह सकेगा।	● नाट्य-रूपांतरण मंचन। ● यू-ट्यूब वीडियो

	विकास करना।	मेहमान के आने से पड़ने वाले आर्थिक बोझ को समझना ।	
पाठ-6 : कीचड़ का काव्य	- पठन कौशल व लेखन कौशल का विकास। - विद्यार्थी द्वारा कीचड़ के माध्यम से देशभक्ति की भावना की तुलनात्मक जानकारी सहभागिता के माध्यम से प्राप्त करना	विद्यार्थी जानेंगे: - घृणा व प्रेम में संतुलन की आवश्यकता। - कहानी में प्रयुक्त पर्यायवाची शब्दों को जानना।	- मिट्टी से सम्बंधित दोहे बनाना। - मिट्टी में बीजारोपण का अनुभव।
पाठ-11 : आदमीनामा	- नज़्म की शैली से परिचय। - उर्दू साहित्य के प्रति रुचि उत्पन्न करना।	विद्यार्थी जानेंगे: - कर्म पर बल देने की विचार धारा को बढ़ावा देना । - सकारात्मक सोच को सुदृढ़ करने में सक्षम बनाना।	- नए शब्दों की वर्तनी लिखकर अभ्यास करेंगे। - कविता के अतिरिक्त मनुष्य और कौन से अच्छे बुरे काम करता है? सोचेंगे।
संचयन			
पाठ-2 : स्मृति	कहानी विधा के प्रति रुचि उत्पन्न करना ।	विद्यार्थी जानेंगे: संस्मरण पढ़कर लेखक के	अपने-अपने बचपन की स्मृतियों को याद करें एवं

	● मंच भय से मुक्ति।	व्यक्तित्व से अभिप्रेरणा लेने में सक्षम । ● कल्पनाशीलता का विकास ।	किसी एक-एक घटना को कक्षा में सुनाए।
व्याकरण			
पाठ-3 : नुक्ता पाठ-4 : उपसर्ग पाठ-5 : प्रत्यय	● नुक्ता के प्रयोग की समझ। ● शब्द-भण्डार में वृद्धि ।	विद्यार्थी जानेंगे: ● उचित प्रयोग का विस्तार । ● प्रत्यय एवं उपसर्ग से परिचय ● विभिन्न प्रकार के प्रत्यय एवं उपसर्ग का ज्ञान।	● सही मिलान करना। ● मूल शब्दों से प्रत्यय व उपसर्ग अलग करना।
रचनात्मक- लेखन			
पाठ-10 : चित्र - वर्णन पाठ-12 : विज्ञापन लेखन	● मन के भावों को शब्द देने में सक्षम होंगे। ● सृजनात्मकता में वृद्धि होगी।	विद्यार्थी जानेंगे: ● विभिन्न चित्रों को देख कर, उनके हाव- भाव को पहचान कर, वहाँ की स्थिति, वेशभूषा आदि को देख कर लेखन करना सीखेंगे।	● उत्तर-पुस्तिका में चित्र देकर छात्रों से चित्र का वर्णन करने को कहा जाएगा। ● विभिन्न उत्पादों के नाम एवं प्रश्न देकर छात्रों से

		विभिन्न उत्पादों के नाम उनके दाम ,बिक्री छूट, आदि के विषय में लिखने में सक्षम होंगे।	विज्ञापन बनवाया जाएगा।
PT – II EXAM			
पाठ-7 : धर्म की आड़	- पठन व लेखन कौशल का विकास होगा। - विद्यार्थियों द्वारा धर्म की उपयोगिता को समझते हुए अनीतियों व कुरीतियों की तुलनात्मक जानकारी सहभागिता के माध्यम से प्राप्त करना।	विद्यार्थी जानेंगे: - सांप्रदायिक एकता का महत्व - अंधविश्वास व आस्था में संतुलन की आवश्यकता । - अपने भावों और विचारों को व्यक्त करना।	- सांप्रदायिक एकता पर अनुच्छेद लिखने को दिया जाएगा। - एकांकी मंचन।
पाठ-12 : एक फूल की चाह	वाचन व श्रवण कौशल का विकास होगा।	विद्यार्थी जानेंगे: - अस्पृश्यता, वर्ग भेद आदि के परिणामों से अवगत होंगे। - प्रत्येक व्यक्ति, वर्ग को समान	- सामाजिक समानता व असमानता पर मौखिक रूप से चर्चा की जाएगी। - समाज में किन लोगों को

		अधिकार की सोच रखने में सक्षम बनेंगे ।	घृणा की दृष्टि से देखा जाता है, विषय पर चर्चा की जाएगी।
पाठ-14 : अग्निपथ	- विद्यार्थियों से जानकारी प्राप्त करना, एवं उन्हें नए शब्दों, कविता के भावों को समझाना। - निजी जीवन से कुछ उदाहरण दिए जाएंगे, जैसे - जीवन की चुनौतियों का सामना कैसे करना । - कठिन परिश्रम करना । - असफलता में भी सफलता के लिए परिश्रम जारी रखना।	विद्यार्थी जानेंगे: जीवन की संघर्षमय परिस्थितियों से सामना करने के लिए प्रेरित होंगे । एवं विपरीत परिस्थितियों में धैर्य एवं संयम बनाए रखने की महत्ता सीखेंगे।	यू-ट्यूब वीडियो
संचयन			
पाठ-5 : हामिद खाँ	- पठन एवं लेखन कौशल का विकास होगा। - छात्रों को संकीर्ण विचारों से	विद्यार्थी जानेंगे: साम्प्रदायिक भावना विकसित होगी।	- पाठ्य-पुस्तिका से प्रश्न पूछे जाएंगे। - अशुद्धियों का शोधन ।

	निकलकर मनुष्यता से परिचित करवाना ।	● आत्मविश्वास की भावना का विकास होगा ● नए शब्दों के अर्थ समझ कर अपने शब्द भण्डार को बढ़ाना।	● विभिन्न स्तरों से अभ्यास कार्य।
अपठित अवबोध			
पाठ-1 : अपठित गद्यांश	● पढ़कर उत्तर देना	विद्यार्थी जानेंगे: ● उचित वाक्य का निर्माण कर उत्तर लेखन करने में सक्षम होंगे ।	● परिचर्चा ● पी.पी.टी. ● यू-ट्यूब वीडियो
व्याकरण			
पाठ-6 : संधि	● संधि व उसके भेदों की परिभाषा ● संधि व संधि विच्छेद	विद्यार्थी जानेंगे: ● दो शब्दों में संधि व संधि-विच्छेद कर सकेंगे । ● संधि के भेदों को पहचानकर संधि-विच्छेद का अभ्यास करेंगे ।	● संधि के भेदों को चार्ट आदि की सहायता से समझाएँगे

रचनात्मक लेखन			
पाठ-8 : अनुच्छेद लेखन पाठ-9 : पत्र-लेखन पाठ-11 : संवाद लेखन	● पत्र-लेखन का महत्व एवं प्रारूप, विभिन्न विषयों पर पत्र-लेखन ● संक्षिप्त रूप में विचारों का क्रमबद्ध प्रस्तुतिकरण	विद्यार्थी जानेंगे: ● विचारों के लेखन व भाव अभिव्यक्ति में पारंगत होंगे । ● लेखन कौशल का विकास होगा।	● कार्य-पत्रक अभ्यास द्वारा
वार्षिक परीक्षा			
पाठ-8 : शुक्र तारे के समान	● महादेव भाई का परिचय देना । ● महात्मा गाँधी के विषय में चर्चा करना ।	विद्यार्थी जानेंगे: ● स्वतंत्रता सेनानियों के त्याग व बलिदान के विषय में जानने का प्रयास करेंगे ।	● कार्य पत्रक हल करवाया जाएगा । ● कक्षा परीक्षा ली जाएगी।
पाठ-15 : नए इलाके में , खुशबू रचते हैं हाथ	● गंदी बस्तियों में रहने वाले लोगों एवं उनके जीवन की विडंबना पर चर्चा की जाएगी ।	विद्यार्थी जानेंगे: ● सकारात्मक सोच को सुदृढ़ करने में सक्षम बनाना।	● परिचर्चा ● पी.पी.टी. ● यू ट्यूब वीडियो

संचयन			
पाठ-6 : दिए जल उठे	● महात्मा गाँधी के संघर्षों एवं उनके महान कार्यों का उल्लेख किया जाएगा	विद्यार्थी जानेंगे: ● लेखन पठन एवं वाचन कौशल में दक्षता प्राप्त करेंगे	● कार्य पत्रक एवं कक्षा परीक्षा ली जाएगी
अपठित अवबोध			
पाठ-1 : अपठित गद्यांश	● गद्यांश पढ़कर उत्तर देना	विद्यार्थी जानेंगे: ● उचित वाक्य का निर्माण कर उत्तर लेखन करने में सक्षम होंगे ● पठन व लेखन कौशल का विकास होगा	● अपठित गद्यांश देकर प्रश्नों पर चर्चा करना
व्याकरण			
पाठ-7 : विराम चिह्न	● विराम चिह्न की परिभाषा ● विराम चिह्नों के नाम ● प्रयोग के स्थान व नियम	विद्यार्थी जानेंगे: ● विराम चिह्न का उचित प्रयोग व महत्व जानेंगे ● पठन एवं लेखन कौशल का विकास होगा	● यू ट्यूब वीडियो ● परिचर्चा

रचनात्मक लेखन			
पाठ-10 : चित्र- वर्णन पाठ-12 : विज्ञापन लेखन	● कल्पनाशीलता का प्रयोग कर विज्ञापन लेखन	विद्यार्थी जानेंगे: ● रचनात्मक सोच का प्रयोग कर आकर्षक विज्ञापन का निर्माण कर सकेंगे । ● लेखन कौशल का विकास होगा ।	● कार्य-पत्रक द्वारा चित्रों के वर्णन का अभ्यास करवाएँगे ।

OBJECTIVE	LEARNING OUTCOMES	EXPERIENTIAL LEARNING / INTEGRATED ART EDUCATION
Ch. 1 : Number System : To be able to (i) Identify, and define rational numbers, irrational numbers (ii) Deduct the nature of decimal form of rational numbers and irrational numbers (iii) Deduce the theorem about the nature of denominator of p/q form of a rational number to give a terminating decimal. (iv) Classify Real numbers into Rational and Irrationals on basis of their decimal forms. (v) Represent given real number on the number line (vi) Recall the laws of exponents and use them so simplify the Computations	After studying the lesson, students will be able to understand the concepts of irrational numbers and rational numbers. They will be able to represent irrational numbers on a number line. They will also learn about real numbers and their decimal expansions. Moreover, they will be able to perform various mathematical operations on real numbers. They will also learn to rationalize the denominator of irrational numbers and apply various laws of exponents to real numbers.	Worksheets and MCQ s based on the topic Activity: 1. To Construct a square root spiral 2. To represent some rational number on the number line Students will develop creative thinking and clear understanding
Ch. 2 : Polynomials : To be able to (i) Identify if a given algebraic expression is a polynomial. (ii) Name a polynomial based on its degree (iii) Find the zeroes of given polynomial.	After studying the lesson, students will be able to identify polynomials and its degree. They will be able to find the zeroes of polynomials. They will also be able to prove the Remainder	Worksheets and MCQ s based on the topic Activity: To verify the algebraic identity:

OBJECTIVE	LEARNING OUTCOMES	EXPERIENTIAL LEARNING / INTEGRATED ART EDUCATION
(iv) Prove the remainder theorem (v) Find the remainder using remainder theorem when a polynomial is divided by a linear polynomial (vi) State the factor theorem (vii) Verify if a linear polynomial is the factor of a given polynomial (viii) Factorize polynomials using the factor theorem or the splitting method (ix) Evaluate polynomials using algebraic identities.	theorem and state the factor theorem and use these theorems to solve problems. Additionally, they will be able to derive a few standard identities to factorize and evaluate algebraic expressions.	$(a + b)^2 = a^2 + b^2 + 2ab$ $(a - b)^2 = a^2 + b^2 - 2ab$ Students will develop critical thinking and analytical skills.
Ch. 3 : Coordinate Geometry : To be able to (i) Describe the features of the Cartesian plane. (ii) Locate the quadrant of a given point on the Cartesian plane. (iii) Write the coordinates of the points marked on the Cartesian plane. (iv) Plot a point on the Cartesian plane if its coordinates are given.	After studying the lesson, students will be able to explain the concept behind Cartesian coordinate geometry. In addition, they will also be able to write the coordinates of points given on the Cartesian plane. The students will also be able to plot points by referring to their coordinates.	Worksheets and MCQ s based on the topic Activity: To find the hidden picture by plotting and joining the various points with the given coordinates in a plane Students will develop problem solving skills

OBJECTIVE	LEARNING OUTCOMES	EXPERIENTIAL LEARNING / INTEGRATED ART EDUCATION
Ch. 5 : Introduction to Euclid's Geometry (Note: Not to be asked in Exam): To be able to (i) Explain Euclid's definitions of different terms, such as a point, line, straight line, surface and plane surface. (ii) Explain Euclid's five postulates (iii) Explain Euclid's axioms	After studying the lesson, students will be able to explain some of Euclid's definitions and axioms. They will also be able to explain Euclid's five postulates.	Worksheets and MCQ s based on the topic They will also acquire analytical and problem solving skills.
Ch. 4 : Linear equation in two variables : To be able to (i) Write linear equation in one variable and extend to that of linear equation in two variables. (ii) To write the equation in general form $ax + by + c = 0$ (iii) Relate linear equations in two variables with real life situations. (iv) Find the solution of linear equations in two variables algebraically (v) Conclude that a linear equation in two variables has infinitely many solutions.	After studying the lesson, students will be able to identify linear equations in two variables and find the solutions of such equations. They will also be able to graphically represent linear equations.	Worksheets based on the topic Presentation and reasoning skills, flexibility and adaptability

OBJECTIVE	LEARNING OUTCOMES	EXPERIENTIAL LEARNING / INTEGRATED ART EDUCATION
Ch. 15 : Probability : To be able to : (i) Define probability and experimental probability. (ii) List the practical applications of probability (iii) Conduct experiments to measure probability. (iv) Define the terms 'experiment', 'trial', 'event' and 'outcome'. (v) Calculate probability of an outcome in a given event.	After studying the lesson, students will be able to describe the concepts of probability and experimental probability. They will be able to explain new terms 'experiment', 'trial', 'event' and 'outcome'. Moreover they will also be able to calculate probability in different types of questions.	A large amount of time to be devoted to group and to individual activities to motivate the concept; the experiments to be drawn from real - life situations, and from examples used in the chapter on statistics Activity: To find experimental Probability of each outcome of a die when it is thrown a large number of times.
Ch. 14 : Statistics (Note: To be asked in Half Yearly) To be able to : (i) Analyse the different types of data. (ii) Create a frequency distribution table to classify data. (iii) Draw a bar graph to depict the given data. (iv) Interpret the data from the given bar graph.	After studying the lesson, students will be able to use different techniques to collect and present the data. They will be able to draw and interpret bar graph. Moreover they will also gain the expertise to calculate different measures of central tendency such as	Worksheets and MCQ s based on the topic Activity: To draw histogram for classes of equal widths and varying widths.

OBJECTIVE	LEARNING OUTCOMES	EXPERIENTIAL LEARNING / INTEGRATED ART EDUCATION
(v) Draw a histogram to depict the given data (vi) Interpret the data represented in a histogram. (vii) Draw a frequency polygon with the help of a histogram. (viii) Calculate the mean of given data. (ix) Calculate the mode of given data. (x) Calculate the median. (xi) Calculate the median of the data when the observations are in even number.	mean, mode and median.	They will also acquire analytical and problem solving skill
Ch. 6 : Lines and angles (Note: To be asked in Half Yearly) : To will be able to (i) Explain the terms line, ray, line segment, collinear points, intersecting lines and parallel lines. (ii) Describe the different types of angles (iii) Explain the terms adjacent angles , linear pair angles , complementary angles ,supplementary angles and vertically opposite angles (iv) Prove that vertically opposite angles are equal (v) Describe the angles formed by a transversal	After studying the lesson, students will be able to describe basic geometrical terms and definitions. They will also be able to explain linear pair axiom. The learners will also be able to solve exercises based on the different types of angles and the angles formed by a transversal on a pair of parallel and intersecting lines. Moreover, they will be able to prove theorems related to	Worksheets based on the topic Students will develop creative thinking and clear understanding

OBJECTIVE	LEARNING OUTCOMES	EXPERIENTIAL LEARNING / INTEGRATED ART EDUCATION
(vi) Explain the corresponding angles axiom (vii) Prove that if a transversal intersects two parallel lines, then each pair of alternate angles are equal. (viii) Prove that if a transversal intersects two parallel lines, then each pair of interior angles on the same side of transversal is supplementary. (ix) Prove that the lines which are parallel to the same line are parallel to each other. (x) Prove that sum of three angles of a triangle is 180° NOTE: In PT-I Chap no. 1,2,3,4 and 15 will be in the syllabus. Chap no. 6 and 14 will be asked in half yearly Examination. Chap no. 5 (Euclid geometry will not be a part of any examination as per CBSE syllabus.)	lines, angles and triangles.	Activity: To verify that the sum of the angles of a triangle is 180°.
HALF YEARLY EXAM		
Ch. 7 : Triangles : To be able to (i) Describe congruent triangles (ii) List the four criteria for the congruence of triangles (iii) Explain SAS congruence rule (iv) Prove ASA congruence rule	After studying the lesson, students will be able describe congruent triangles and the criteria for their congruence. They will also be able to prove the rules of congruence and properties of	Worksheets and MCQ s based on the topic Students will develop a skill of applying rules and laws

OBJECTIVE	LEARNING OUTCOMES	EXPERIENTIAL LEARNING / INTEGRATED ART EDUCATION
(v) Prove the SSS congruence rule (vi) Prove the RHS congruence rule (vii) Explain the non-criteria for the congruence of triangles (viii) Prove the angles opposite to equal sides of a triangle are equal (ix) Prove that the sides opposite to equal angles of a triangle are equal (x) Prove that if two sides of triangle are unequal then the angle opposite to longer side is larger (xi) Prove that in any triangle, the side opposite to the larger angle is longest (xii) Prove that sum of any two sides of a triangle is greater than the third side	triangles. The learners will be able to explain the non-criteria for the congruence of triangles. Moreover they will be able to prove theorems and solve exercises related to the inequalities in a triangle.	Students will develop observational skill They will also appreciate the use of Maths in real life
Ch. 8 : Quadrilaterals : To be able to : (i) Describe the types of quadrilaterals and their properties. (ii) Prove the angle sum property of quadrilaterals (iii) Describe the types of parallelograms and their	After studying the lesson, students will be able to describe the different types of quadrilaterals and their properties, especially the properties of parallelograms. They should also be	Worksheets and MCQ s based on the topic Students will appreciate the

OBJECTIVE	LEARNING OUTCOMES	EXPERIENTIAL LEARNING / INTEGRATED ART EDUCATION
properties. (iv) Prove that the diagonal of a parallelogram divides it into two congruent triangles. (v) Prove that if each pair of opposite sides of a quadrilateral is equal , then it is a parallelogram (vi) Prove that if each pair of opposite angles of a quadrilateral is equal , then it is a parallelogram (vii) Prove that if a pair of opposite sides is equal and parallel in a quadrilateral then it is a parallelogram (viii) Prove that if diagonals of a quadrilateral bisect each other then it is a parallelogram (ix) Prove the mid-point theorem and its converse.	able to prove various theorems related to quadrilaterals and parallelograms.	use of mathematics in daily life . Students will appreciate patterns and develop problem solving skills
Half yearly Syllabus : PT – I syllabus + Ch. 6, 7, 8, 14		
PT – II EXAM		
Ch. 9 : Areas of parallelogram and triangles : To be able to : (i) Identify geometrical figures that have the same base and lie between same parallels. (ii) Explain that the parallelograms having the same	After studying the lesson, students will be able to know about the figures that have the same base and lie between the same parallels. They should also know the parallelograms having the	Worksheets and MCQ s based on the topic Activity: To verify experimentally

OBJECTIVE	LEARNING OUTCOMES	EXPERIENTIAL LEARNING / INTEGRATED ART EDUCATION
base and lying between the same parallels are equal in area. (iii) Explain that the different geometrical figures having the same base and lying between the same parallels may not be equal in area. (iv) Prove that the parallelograms having the same base and lying between the same parallels are equal in area. (v) Prove that the parallelograms having the same base and equal in area lie between the same parallels. (vi) Prove that the area of triangle is equal to half the area of parallelogram if they have the same base and lie between the same parallels. (vii) Prove that the median of a triangle divides it into two triangles of equal areas.	same base and lying between the same parallels are equal in area, while the different geometrical figures having the same base and lying between the same parallels may not be equal in area. They should be able to prove various theorems based on parallelograms and triangles.	that the parallelograms on the same base and between the same parallels are equal in the area. Students will appreciate patterns and develop problem solving skills.
Ch. 10 : Circles : Students will be able to : (i) Define a circle. (ii) Define various terms such as centre, circumference, radius, chord, diameter etc.	After studying the lesson, students will be able to explain all terms related to circles. They will also be able to prove various theorems pertaining to circles, con-cyclic points and cyclic	Worksheets and MCQ s based on the topic Activity: To verify that the angle

OBJECTIVE	LEARNING OUTCOMES	EXPERIENTIAL LEARNING / INTEGRATED ART EDUCATION
(iii) Describe the features of diameter of circle. (iv) Describe various areas covered by a circle on a plane. (v) (Prove) Equal chords of a circle subtend equal angles at the center and (motivate) its converse. (vi) (Motivate) The perpendicular from the center of a circle to a chord bisects the chord and conversely, the line drawn through the center of a circle to bisect a chord is perpendicular to the chord. (vii) (Motivate) There is one and only one circle passing through three given non-collinear points. (viii) (Motivate) Equal chords of a circle (or of congruent circles) are equidistant from the center (or their respective centers) and conversely. (ix) (Prove) The angle subtended by an arc at the center is double the angle subtended by it at any point on the remaining part of the circle. (x) (Motivate) Angles in the same segment of a circle are equal. (xi) (Motivate) If a line segment joining two points	quadrilaterals.	subtended by an arc of a circle at the centre is double the angle subtended by it at any point on the remaining part of the circle. Students learn to be systematic in approach and appreciate various forms of mathematics. They develop problem solving skills

OBJECTIVE	LEARNING OUTCOMES	EXPERIENTIAL LEARNING / INTEGRATED ART EDUCATION
subtends equal angle at two other points lying on the same side of the line containing the segment, the four points lie on a circle. (xii) (Motivate) The sum of either of the pair of the opposite angles of a cyclic quadrilateral is 180° and its converse.		
Ch 11 : Construction : To be able to : (i) Construct a triangle when its two base angles and perimeter are known. (ii) Prove that required triangle is constructed from its two base angles and perimeter. (iii) Construction of bisectors of line segments and angles of measure 60°, 90°, 45° etc., equilateral triangles. (iv) Construction of a triangle given its base, sum/difference of the other two sides and one base angle. (v) Construction of a triangle of given perimeter and base angles.	After studying the lesson, students will be able to construct an angle, angle bisector and the perpendicular bisector of a line segment. They will also be able to construct triangles when specific measurements, like two base angles and perimeter and the length of base are provided.	Worksheets and MCQ s based on the topic Analytical and logical problem solving

OBJECTIVE	LEARNING OUTCOMES	EXPERIENTIAL LEARNING / INTEGRATED ART EDUCATION
Ch. 12 : Heron's Formula : To be able to : (i) Calculate area of triangle using heron's formula. (ii) Calculate area of quadrilateral using heron's formula.	After studying the lesson, students will be able to explain heron's formula. Moreover, they will be able to calculate area of triangle and quadrilateral using heron's formula.	Worksheets and MCQ s based on the topic Students will appreciate the patterns in mathematics They develop calculation skills while using various results in solving problems.
PT – II : Syllabus: Ch. No. 9, 10, 11, 12		
ANNUAL EXAM		
Ch. 13 : Surface Area and Volumes : To be able to : (i) State the formulae for the lateral surface area of a cuboid, cube and cylinder. (ii) State the formulae for total surface area of a cuboid, cube and cylinder. (iii) Define the concepts of volume and capacity. (iv) State the formulae for the volume of a cuboid, cube and cylinder. (v) Calculate the surface area and volume of cuboid, cube and cylinder. (vi) Define the concepts of right circular cone.	After studying the lesson, students will be able to calculate the surface areas and volumes of different solids such as cubes, cuboids, cylinders, cones and spheres. They should also be able to derive the formulae for calculating curved surface area, total surface area and volume of a cone.	Worksheets and MCQ s based on the topic Activity: To find a formula for the curved surface area of a right circular cylinder experimentally They will also acquire analytical and problem

OBJECTIVE	LEARNING OUTCOMES	EXPERIENTIAL LEARNING / INTEGRATED ART EDUCATION
(vii) Derive the formulae for the curved surface area, total surface area and volume of a cone. (viii) Define the concepts of a sphere, its centre, radius and its diameter. (ix) Calculate the surface area and volume of a sphere. (x) Define the concepts of hemisphere. (xi) Calculate the curved surface area, total surface area and volume of hemisphere.		solving skill
Annual Exam Syllabus: Ch. No. 1 to 15 (Except Ch. No. 5)		

TOPIC	OBJECTIVE	LEARNING OUTCOMES	EXPERIENTIAL LEARNING/INTEGRATED ART EDUCATION
CH - 08 : MOTION : Distance and displacement, velocity; uniform and non-uniform motion along a straight line; acceleration, distance-time and velocity-time graphs for uniform motion and uniformly accelerated motion, derivation of equations of motion by graphical method; elementary idea of uniform circular motion.	1. To help the students learn the concepts better. 2. To understand the motion and its types 3. To enhance analytical approach	1. Students get a clear understanding of the physical units. 2. Proper conceptual learning of scalars and vectors. 3. Better understanding of concepts and application.	Children are exposed to graphical representations. Experiments and everyday examples help them experience what they learn.
HALF YEARLY			
CH- 09: FORCE AND LAWS OF MOTION Force and Motion, Newton's Laws of Motion, Action and reaction forces, Inertia of a body, Inertia and mass, Momentum, Force and Acceleration. Elementary idea of conservation of Momentum.	1. To inspire learners to think and understand. 2. The concepts of force , momentum etc. are easily understood by simple experiments.	1. Knowledge of applications 2. Students are able to analyse and give reasons for various phenomena	Converging style of learning with accommodating.

TOPIC	OBJECTIVE	LEARNING OUTCOMES	EXPERIENTIAL LEARNING/INTEGRATED ART EDUCATION
CH- 10 : GRAVITATION : Gravitation; Universal Law of Gravitation, Force of Gravitation of the earth (gravity), Acceleration due to Gravity; Mass and Weight; Free fall.	1. To understand the daily life phenomena through concept learning and inductive approach. 2. To infuse critical thinking and enhance application skills.	Concept of gravity and gravitational force is easily understood.	Learning based on reflective observation and experimentation. Organizing field work, activity based learning.
PT – II EXAM			
CH-11 : WORK, POWER AND ENERGY : Work done by a Force, Energy, Power; Kinetic and Potential energy; Law of conservation of energy.	1. To help students realize the meaning of work done. 2. To acquaint them with the concept of PE and KE.	Energy consciousness.	Abstract conceptualization and accommodating.
CH- 12 : SOUND : Nature of sound and its propagation in various media, speed of sound, range of hearing in humans; ultrasound; reflection of sound; echo and SONAR. Structure of the Human Ear (Auditory aspect only).	1. To understand sound energy and its propagation. 2. To distinguish between the various characteristics of sound and identify each clearly. 3. To understand how we	1. Get a clear understanding of sound energy and its laws and propagating styles. 2. To be able to analyse the working of	Practical analysis through experiments based on propagation of sound and various other activities like the bell jar experiment to prove that sound needs a medium to

TOPIC	OBJECTIVE	LEARNING OUTCOMES	EXPERIENTIAL LEARNING/INTEGRATED ART EDUCATION
	hear.	various sound based devices and their uses.	travel.
ANNUAL EXAM			
CH-10 : PART-II (FLOATATION) : Thrust and Pressure. Archimedes' Principle; Buoyancy; Elementary Idea of Relative Density.	To evaluate the causes of natural phenomena.	Various occurrences like up thrust and buoyant force are made simpler by the practical learning process.	Experimentation and analysis styles involved.

TOPIC	OBJECTIVE	LEARNING OUTCOMES	EXPERIENTIAL LEARNING/INTEGRATED ART EDUCATION
Chapter 1: Matter in our Surroundings • Matter • Characteristics of the particles of matter. • States of matter- forces of attraction and space between particles of Matter • Inter conversion of the states of matter • $K=C+273$ • Latent Heat • Evaporation • Factors affecting the rate of Evaporation	The students will learn to- • Describe matter and the characteristics of the particles of matter. • Understand the differences between the various states of matter. • Evaluate the conditions for the interconversion of various states of matter. • Explain latent heat of fusion and latent heat of vaporization. • Discuss Evaporation and explain various factors influencing evaporation.	The students would be able to- • Define matter with examples from day today life and state the composition of matter. • Analyse the characteristics of the particles of matter applicable in day today life activities. • Reason out the differences between the various states of matter on the basis of rigidity, fluidity, compressibility, density, shape, density, diffusion etc. • Explain terms related -melting, freezing, boiling, condensation and sublimation. • Apply the knowledge of latent heat (ice, steam) in day today life activities. • Analyse the difference between evaporation and boiling.	• To determine the melting point of ice and boiling point of water. • Discuss daily life example of evaporation.

TOPIC	OBJECTIVE	LEARNING OUTCOMES	EXPERIENTIAL LEARNING/INTEGRATED ART EDUCATION
		Interpret the factors affecting evaporation and appreciate the role of evaporation in daily lives.	
HALF YEARLY EXAM			
Chapter – 2: Is Matter Around Us Pure? - Elements and Compounds as pure substances. - Mixtures – homogeneous and heterogeneous. - Classification of Elements –metals, nonmetals and metalloids. - Physical and chemical changes. - Mixtures as solutions	The students will learn to- - Describe and differentiate between elements, compounds and mixtures with examples. - Discuss homogeneous and heterogeneous mixtures with examples. - Explain physical and chemical changes with examples. - Describe the different types of solutions and their properties - Calculate the solubility and	The students would be able to- - Analyse the differences in the properties of elements, compounds and mixtures. - Classify elements as metals, non-metals and metalloids based on their general physical properties. - Classify mixtures as homogeneous and heterogeneous mixtures with examples from daily lives. - Analyze the differences in physical and chemical changes and apply their knowledge and understanding in daily lives.	- To separate the components of a mixture of ammonium chloride, common salt and sand by sublimation. - To the study of the properties of mixture (iron fillings and sulphur powder) and compound (iron sulphide) on the basis of their behavior towards magnet, behavior towards

TOPIC	OBJECTIVE	LEARNING OUTCOMES	EXPERIENTIAL LEARNING/INTEGRATED ART EDUCATION
or true Solutions • Solubility of a substance (Temperature and Pressure dependence) • Saturated and unsaturated solution • Concentration of solution. • Suspension • Colloids • Various types of colloids. • Separating the components of Mixtures- (technique used, principle involved and applications)	concentration of the solution. • Describe the properties of suspensions and colloids • Comprehend the difference between true solution, suspension and colloids on the basis of their properties	• Analyze the characteristics of true solution and various types of true solution • Classify and categories solutions as true solution, suspension and colloid on the basis of properties shown by them- transparency, and filtration along with examples from daily lives . • Explain Tyndall effect with examples. • Apply their knowledge and understanding of solubility and concentration of solution in numericals.	carbon disulphide, effect of heat and reaction with dil.HCl (aq).

TOPIC	OBJECTIVE	LEARNING OUTCOMES	EXPERIENTIAL LEARNING/INTEGRATED ART EDUCATION
- Filtration using simple funnel and Separating funnel. - Sublimation - Evaporation - Crystallization - Centrifugation - Chromatography - Distillation - Fractional Distillation			
PT – II EXAM			
Chapter 4: Structure of Atom - Charged particle in matter. - Thomson's model of Atom. - Rutherford's model of an Atom-	The students will learn to- - Comprehend the existence of various sub atomic particles. - Explain Thomson's and Rutherford's model of an atom. - Explain Bohr's model of an	The students would be able to- - Analyze Thomson's model of an atom - Compare the properties of the sub-atomic particles. - Explain Bohr's model of an atom and critically analyze by comparing with the previous	- To explain Thomson's model, discussion will be done of Christmas pudding and watermelon. - Video and worksheets will be used to make students understand

TOPIC	OBJECTIVE	LEARNING OUTCOMES	EXPERIENTIAL LEARNING/INTEGRATED ART EDUCATION
(Observations and Conclusions) • Limitations of Bohr's model of atom. • How are electrons distributed in different shells? • Valency • Atomic number • Mass number • Isotopes • Isobars • Average atomic masses	atom. • Understand the distribution of various electrons in shells • Comprehend the concept of valency • Write the electronic configurations of first twenty elements along with their valency with explanation. • Explain atomic number and mass number. • Differentiate between isotopes and isobars • Discuss the applications of Isotopes. • Describe the concept of average atomic mass of the isotopes with examples through numerical.	proposed models of atom. • Write the electronic configurations of first twenty elements along with their valency with explanation. • Comprehend the meanings of atomic number and mass number and try to represent the element with them. • Analyse the difference between isotopes and isobars with examples. • Compare the number of sub atomic particles of various isotopes of the same element. • Write electronic configuration of the various isotopes of the same element. • Write the applications of isotopes in day today life.	topic better.

TOPIC	OBJECTIVE	LEARNING OUTCOMES	EXPERIENTIAL LEARNING/INTEGRATED ART EDUCATION
		Calculate the average atomic mass of the isotopes.	
ANNUAL EXAM			
Chapter 3: Atoms and Molecules - Introduction of the Laws of chemical combination - Law of conservation of mass. - Law of constant proportion. - Dalton's Atomic Theory and its postulates. - Atoms and molecules. - Atomicity - Atomic mass. - Ions	The students will learn to- - State the laws of chemical combination - Describe the laws of chemical combination. - Evaluate Dalton's atomic theory with the present situation. - Understand atoms, molecules and atomicity - Describe the role of unified Mass and Carbon 12 as standard for reference. - Discuss various ions and using them for writing chemical formula.	The students would be able to- - State the laws of chemical combination. - State both the laws of chemical combination with examples. - Relate the postulates of Dalton's atomic theory with the laws of chemical combination. - Give explanation to the postulates of Dalton's atomic theory which is being challenged now. - Differentiate between an atom and molecule. - Write atomicity and atomic masses for similar and dissimilar elements along with symbols.	- Experiment will be done to verify the law of conservation of mass. - Revision of numericals on laws of chemical combination. - Video and worksheets will be used to make students understand topic better. - To prepare a true solution, suspension and colloid and differentiate them on the basis of transparency, stability and filtration criteria.

TOPIC	OBJECTIVE	LEARNING OUTCOMES	EXPERIENTIAL LEARNING/INTEGRATED ART EDUCATION
• Writing chemical formula • Molecular mass • Formula unit mass • Molar mass • Introduction to Mole concept (relationship of mole and mass of a substance)	• Calculate Molecular Mass and Molar Mass • Understand the significance of mole in terms of mass and number of particles.	• Define unified mass, relative atomic mass and give reason for the use of C-12 as standard for atomic mass. • Comprehend the constituting elements in a compound and their combination on the basis of their mass ratios. • Differentiate between an atom and an ion. • Define and write examples of cations, anions and polyatomic ions. • Apply their knowledge of ions in writing chemical formula. • Apply the concept of mole in terms of mass and number of particles.	

OBJECTIVE	LEARNING OUTCOMES	EXPERIENTIAL LEARNING/ INTEGRATED ART EDUCATION
Ch. – 5 - Cell – The Fundamental Unit of life To make students understand the concept of :- • Cell, different types of cell • Discovery of cell • Cell theory • Structural organisation of cell • Plasma membrane or cell membrane • Nucleus • Cytoplasm • Prokaryotic and Eukaryotic cell • Various cell organelles • Endoplasmic reticulum • Golgi apparatus • Lysosomes • Mitochondria • Plastids • Vacuoles • Cell division • Plant cell and animal cell	Students will be able to - • Differentiate between prokaryotes and eukaryotes • Differentiate between plant cell and animal cell • List the functions of various cell organelles • Draw various cell organelles • Differentiate between osmosis and diffusion • The effect of solution on a cell	• To observe permanent slide of Animal cell(Cheek cell) • To prepare temporary slide of plant cell (Onion cell) • To view plant and animal cell • Chart on plant cell and animal cell • Chart on nerve cell, ovum, fat cell • Chart on various cell organelles

OBJECTIVE	LEARNING OUTCOMES	EXPERIENTIAL LEARNING/ INTEGRATED ART EDUCATION
• Osmosis and diffusion • Plasmolysis • Membrane biogenesis • Hypertonic, hypotonic and isotonic solution		
HALF YEARLY EXAM		
Ch. – 14 - Natural Resources To make students understand the concept of :- • The role of atmosphere in climate control • The movement of air • Rain • Water • Water pollution • Mineral riches in the soil • Bio-geo chemical cycle	Students will be able to - • Know the importance of natural resources • List properties of water • To understand green house effect • To understand Bio-Geo chemical cycles	• Draw Nitrogen cycle , carbon cycle and Oxygen cycle
Ch. – 15 - Improvement in food resources To make students understand the concept of :-	Students will be able to - • Differentiate between Rabi and Kharif	• Make a project on improvement in food

OBJECTIVE	LEARNING OUTCOMES	EXPERIENTIAL LEARNING/ INTEGRATED ART EDUCATION
• Improvement in crop yield • Crop variety improvement • Crop production management • Nutrient management • Manure and fertiliser • Irrigation • Cropping pattern • Crop protection management • Animal husbandry • Poultry farming • Egg and broiler production • Fish production • Marine fisheries • Inland fisheries • Bee keeping	crops • Differentiate between Manure and fertiliser • Differentiate between macro and micro nutrients • Differentiate between egg and broiler • List various methods of crop rotation • List various hybrid and breded variety • To know importance of animal husbandry	resources
PT – II EXAM		
Ch. – 7 - Diversity in the living organism To make students understand the concept of :-	Students will be able to - • To know the hierarchy of classification • The differentiate characteristics of all	• To observe specimen of earthworm, cockroach and Bird

OBJECTIVE	LEARNING OUTCOMES	EXPERIENTIAL LEARNING/ INTEGRATED ART EDUCATION
• Basis of classification and evolution • The hierarchy of classification-groups • Kingdom Monera • Kingdom Protista • Kingdom Fungi • Kingdom Plantae • Kingdom Animalia • Non chordates • Vertebrates / Cycloskeleton • Pisces, Amphibians, Reptiles, Aves, Mammals. • Nomenclature	kingdoms along with the example	• One specific feature of the phylum and the adaptive features earthworm, cockroach • To study external features of root ,stem ,leaf and flower of monocot and dicot plants
ANNUAL EXAM		
Ch. – 13 – Why do we fall ill? To make students understand the concept of :- • Health and its failure • Personal and communicative issues • Disease and its cause	Students will be able to - • The importance of health • Differentiate between Infectious and non infectious diseases • Differentiate between acute and chronic diseases	• Compare various infectious and non infectious diseases on following scales- Cause, symptom and prevention

OBJECTIVE	LEARNING OUTCOMES	EXPERIENTIAL LEARNING/ INTEGRATED ART EDUCATION
• Infectious and non infectious diseases • Organ specific and tissue specific manifestation • Principles of prevention		
Ch. – 6 – Tissue To make students understand the concept of :- • Plant tissue • Meristematic tissue • Permanent tissue • Parenchyma, Schlerenchyma, Cholenchyma, Aerenchyma, Chlorenchyma • Xylem and phloem • Elements of xylem and phloem • Cork • Epidermis • Function of stomata • Animal tissue • Epithelial tissue	Students will be able to - • Differentiate between meristematic and permanent tissue • List the functions of parenchyma Schlerenchyma, Cholenchyma, Aerenchyma, Chlorenchyma • List the elements of Xylem and phloem • Find the location of various tissues Epithelial tissue, Connective tissue, Muscular tissue, Nervous tissue • Differentiate between a Bone and a cartilage, a Tendon and a cartilage	• To observe slides of plant tissue (Parenchyma, Schlerenchyma, Cholenchyma) • To observe slide of animal tissue(Skeletal/ smooth/ cardiac

OBJECTIVE	LEARNING OUTCOMES	EXPERIENTIAL LEARNING/ INTEGRATED ART EDUCATION
• Connective tissue • Muscular tissue • Nervous tissue • Bone and a cartilage • Tendon and ligament • Skeletal, smooth and cardiac muscles • Different type of blood cells (RBC, WBC and platelets and plasma)		

TOPIC	OBJECTIVE	LEARNING OUTCOMES	EXPERIENTIAL LEARNING /INTEGRATED ART EDUCATION
History			
Ch. 1 : The French Revolution 1. French society during the late 18th century. 2. The outbreak of the revolution. 3. France abolishes monarchy and becomes a republic. 4. Women's role in revolution. 5. The abolition of slavery. 6. The revolution and everyday life.	To understand 1. How republic evolved from a despotic rule of monarchy. 2. The role of three estates in France especially the middle class and women in changing their country.	-Students will inculcate the values of liberty, Equality, and Fraternity. -Students will critically think about the role of Monarchy and the ideas of democratic country.	-Make the chart of three Estates and mention the role of three estates in France. -Draw various symbols used during French Revolution in your notebook.
Geography			
Ch. 1 : India: Size and Location Introduction: Location, Size, India and the world, India and its neighbours.	-Students will know about the India's latitudinal and longitudinal extent, coastline, neighbours, its location etc. -knowledge about the concept of local time and standard time.	-They will be able to understand the position of India and its relationship with neighbouring countries. -Students develop scientific attitude and the critical thinking.	i) Map work showing latitudinal and longitudinal position of various places on world map. ii) MCQ based worksheet

TOPIC	OBJECTIVE	LEARNING OUTCOMES	EXPERIENTIAL LEARNING /INTEGRATED ART EDUCATION
Ch.2: Physical features of India Introduction, geological past, folding, faulting and volcanic activity, major physiographic divisions 1. The Himalayan Mountains 2. The Northern plains 3. The Peninsular Plateaus 4. The Indian desert 5. The Coastal Plain 6. The Islands	-Understand the major landform features and underlying geological structure, their association with various rocks and minerals as well as nature of soil types. -Students learn to appreciate the different physiographic features found in our country.	-Come to know about the process of formation of different physiographic divisions. -Students learn the value of Unity in diversity.	- Worksheet based on one word questions.
Civics			
Ch. 2 : What is Democracy? Why democracy? 1. What is democracy? 2. Features of democracy 3. Why democracy? 4. Broader meaning of democracy.	Students come to know the meaning, features and the importance of democracy. -Able to differentiate between democratic and non-democratic government.	- Students will be able to express the meaning of – censorship, coalition, colony, communist state, coup, martial law, referendum, strike, trade union and veto. -Students imbibe the value of	-Make a Comparison chart of functioning of government in Pakistan and China.

TOPIC	OBJECTIVE	LEARNING OUTCOMES	EXPERIENTIAL LEARNING /INTEGRATED ART EDUCATION
		national integrity and tolerance towards all religions, equality of gender and patriotism.	
Ch. 3 : Constitutional Design 1. Democratic constitution in South Africa 2. Why do we need a constitution? 3. Making of the Indian constitution. 4. Guiding value of the Indian Constitution.	Students understand the core values of our constitution, basics of constitution of other countries and process involved in making of Indian constitution.	They will value the ideals, values and spirit of our constitution.	Make a chart which showing the guiding values of the Indian constitution.
Economics			
Ch. 1 : The story of village Palampur 1. Introduction 2. Organization of production – land, labour, physical and	-Student will learn about the life in rural area, farming and non farming activities in rural areas. -Understand the disparity in	- Students will be able to understand about need of factors of production. -Students develop value of dignity of labour and social	1. Debate on -the Green Revolution: a boon or curse for Indian agriculture. 2. Make a poster in your

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fixed capital, working capital. 3. Farming in Palampur. 4. Non- farming activities	distribution of agricultural land.	attitude.	notebook about -Need to adopt the concept of organic farming for sustainability of agricultural land in India.
Ch. 2 : People as a Resources: Introduction, GDP, human resources, story of sakal and vikas, Economic activities by men and women, quality of population- Education, Health, employment	Students will realize the value of education and advocate 100% literacy in India.	Students realize the value of human resource for the development of our nation.	Discussion and worksheet on- Education and health are the most important factors in human development.
HALF YEARLY EXAM			
History			
Ch. 3 : Nazism & the rise of Hitler 1. Birth of the Weimer republic.	Students understand given ways to person to become a dictator and realize that the dictatorship in long run leads	They will learn to inculcate the value of democratic traditions even in the times of popular dictatorships.	Comparison of positive leadership (Gandhiji) and a negative leadership (Hitler) -Dialogue writing between

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2. Hitler's rise to power. 3. The Nazi world view. 4. Youth in Nazi Germany. 5. Ordinary people and the crimes against humanity.	to human exploitation and it becomes the cause of dictator's fall.		Hitler and his officers depicting Nazi Culture in torturing areas to understand the misery and pain of sufferers of Nazi killing operations.
Geography			
Ch. 3 :Drainage Introduction, Drainage basin, Water divide, Drainage systems in India and its pattern, The Himalayan Rivers The Indus river system, The Ganga river system, The Brahmaputra river system, The peninsular rivers, The Narmada basin, The Tapi basin, The Godavari basin, The Mahanadi basin, The kaveri basin, Lakes of	-To understand that how climate, topography, slope affect the river, three major stage of river system and various erosional and depositional landforms created by river. -They know about the different uses of water and the flow directions, lakes and their importance.	-Students will learn Importance of rivers in our life -Students realize the value of conservation of water.	-Map practice and location of rivers of India on the physical map of India. -Group discussion on- 'Sharing of rivers' -Talk Show on condition of Khan river in Indore.

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India, role of rivers in the economy, River pollution, NRCP.			
Ch. 4 : Climate: Introduction, climate, weather, monsoon, climatic control latitude, altitude, pressure and wind system, distance from the sea, ocean currents and relief features, coriolis force, jet stream. The Indian monsoon, the onset and its withdrawal and the seasons	Students learn the phenomenon of monsoon in a much better way, along with their routes and the timings. They learn about the seasons and its unifying effect.	-Come to know about climatic variation of our country and its impact on the life of the people. -Students appreciate the value of water and its conservation	i) Map work on locating, labeling and identification of various meteorological centers in India. ii) MCQ worksheet
Civics			
Ch. 4 : Electoral politics 1. Why Elections? 2. What is our system of Elections? 3. What makes Elections in India democratic?	Students come to know about the electoral system of our country and understand the 'Universal Adult franchise'.	Students learn to have respect for people's mandate in a free and fair election.	-Show them the 'Electronic voting machine' model. -Election will be conducted within the class. Students will divide in two groups and both groups will select their

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			logos for their party, side by side they will plan their strategies to win the election.
PT – II EXAM			
History			
Ch. 4 : Forest Society and Colonialism 1. Why Deforestation? 2. The rise of commercial forestry. 3. Rebellion in the forest. 4. Forest transformation in Java	Students come to know the difficulties faced by the rural communities under the colonial rule. Also understand how they revolted for their freedom.	Students will appreciate the value of environment and feel the need to safeguard oneself against exploitation by others.	-Group discussion – “Different strokes for different folks” When we cut down trees in the forest, it is a crime. But when trees are cut down by government, why is it not a crime?
Geography			
Ch. 5 : Natural Vegetation and wildlife: Introduction, Virgin forest, flora and fauna, Relief- land	-Students learn about different types of vegetation and the conditions required for their better growth and protection.	-Students will develop critical thinking about vegetation and wildlife and its conservation. -Understand the importance	i)Map work –national parks, bird sanctuaries ii)Enact street play on:”Awareness of Wetland

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and soil, Climate- Temperature and photoperiod, precipitation, Ecosystem and its types, Wildlife.	-To develop concern about the need to protect the biodiversity of our country.	of ecosystem and maintain the environment for its favourable existence.	Preservation and Forest”
Ch. 6 : Population: Introduction, India’s population size and distribution, population growth and process of population change, birthrate, death rate, Migration, age composition, sex ratio, literacy, occupational structure, health.	-Students learn about population growth and various factors of population change. -To analyse the uneven nature of population distribution and show concern about large size of our population	-Students develop good knowledge of the dynamics of population growth and the ways to control its growth. -Understand the occupational structure.	-Talk Show: ‘Sex Ratio and the growing imbalance of sex ratio’
Civics			
Ch. 5 : Working of Institutions 1. How is a major policy decision taken? 2. Parliament 3. Political executive.	Students understand the necessity of the theory of separation of powers with inbuilt checks and counter-checks.	Students value our system of civic life and appreciate the inputs like coordination cooperation etc., for accountable life.	Conduct Mock parliament. Class Activity (MUN practice)

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4. The judiciary			
Ch. 6 : Democratic Rights 1. Life without rights 2. Rights in a democracy 3. Rights in the Indian constitution 4. Expanding scope of rights	-Students understand the difference between a life without rights and life with guaranteed rights. -Understand the availability /access of rights in a democratic system.	-Students value the power of their fundamental rights. -Create awareness regarding the process of safeguarding rights.	-Make chart of examples regarding fundamental rights and paste in your notebooks. -Group Discussion: Fundamental Duties of we Indians.
Economics			
Ch 3 : Poverty as a challenge: Introduction, poverty as seen by social scientist, social exclusion, vulnerable groups, interstate disparities, global poverty scenario, causes of poverty, anti- poverty measures and the challenges ahead.	-Students learn about the various causes of poverty, vulnerable groups, distribution of poverty and the different ways to reduce poverty. -Understand the role of government of India in removing poverty.	-Student learn to analyse the poverty estimate of the country and even globally. -Students start valuing the facilities and things that they get. -Able to think critically while comparing our country with others on the basis of poverty scenario.	- MCQ worksheet - Debate on the ways to solve the problem of poverty in India.

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CH. 4 : Food security in India: Introduction What is food security? Why food security? Who are foods insecure? Food security in India. Buffer stock, PDS, MSP, FCI, Rationing, current status of PDS, Different schemes of gov., Role of co-operatives in food security.	-Students understand the exact meaning of food security. They also learn the way to deal with the problem of food insecurity. -Be well informed about working of Public Distribution System and cooperatives.	- Student will understand the role of government in food security in India. -Students learn value of food and its importance	-Debate and discussion for more fair distribution of food grains and functioning of Fair Price Shops . -Make a chart on MSP of different crops, announced by government this year.
ANNUAL EXAM			
History			
Ch. 2 : Socialism in Europe and the Russian Revolution -ideas of equality and freedom -Anti Colonial Movements -Role of church and aristocracy in controlling economic and	-Familiarize students with the names of people involved, different types of ideas that inspired the revolution. -Students would learn how to interpret these kinds of	- Students will be able to know about the Age of social change and Liberals, Radicals and Conservatives. -Students will critically think about the role of Monarch	i)Role play on –Bloody Sunday and Fall of Nicholas II

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social power. -ideas of economic equality and human rights	historical evidences.	Tsar Nicholas II and importance of equality and well being of workers and peasants.	

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Unit-I-Basics of Information Technology		
Ch.1- Computer System To make the students able to understand : • Characteristics of a Computer • Application of Computers • Memory: primary (RAM and ROM) and secondary memory • Components of a computer system – CPU, memory, storage devices and I/O devices	Students will be able to: Understand basics of computers.	Basic I/O devices: use the mouse and keyboard, draw a figure.
Ch.2- Input and Output Device To make the students able to understand : • Input Unit • Output Unit • Storage Devices	Students will be able to: Understand Input Unit ,Output Unit and Storage Devices	Discussion on I/ O devices.
Ch.3- Types of Software To make the students able to understand : • Types of software: system software (operating systems) • application software, mobile applications	Students will be able to: Understand software (operating systems), application software	Discussion on System Software, Application Software & Mobile Application.

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Utility Software		
Ch.4- Operating System To make the students able to understand : - Types of an Operating System - Functions of an Operating System - Commonly used Operating System	Students will be able to: Create / Rename/ Delete a Folder and making its shortcut on Desktop.	Working with the operating system: Navigation of the file system using a mouse and keyboard.
Ch.5- Working with an Operating System To make the students able to understand : - Operating systems: kernel, device drivers, and file systems (very basic idea) - Windows Elements	Student will be able to : Search a particular File/ Folder in Computer.	Create a folder on Desktop.
Ch.6- Computer Networking To make the students able to understand : - Computer networking: wired/wireless communication, common protocols: Wi-Fi, Bluetooth - Cloud computers (private/public), Multimedia: images, audio, video, animation - Chat sites, and social networks.	Students will be able to: Secure his/ her Computer from various threats.	Showing PPT on various Networking devices.

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Unit-II :Cyber-safety		
Ch .7 Cyber Safety To make the students able to understand : • Safely browsing the web and using social networks: identity protection, proper usage of passwords, privacy, confidentiality of information • Cyber stalking, reporting cyber crimes Safely accessing websites: viruses and malware	Students will be able to: To make them aware about Safe and correct usage of websites, social networks, chat sites, and email.	To make the student aware about Safe use of Internet.
Unit III: Office tools		
Ch .8 Microsoft Word 2010-I To make the students able to understand : • Introduction to a word processor: create and save a document. • Editing a Document	Student will be able to : Create and edit Rich text documents in MS Word 2010.	Create a text document, create a letter, report, and greeting card
Ch.9 Microsoft Word 2010-II To make the students able to : • Edit and format text: text style (B, I, U), font type, font size, text colour, alignment of text. Format paragraphs with line and/or paragraph spacing.	Student will be able to: Create documents in MS Word 2010 using text style (B, I, U), font type, font size, text colour, alignment of text.	Create a text document using text alignment and Font effects.

OBJECTIVE	LEARNING OUTCOMES	EXPERIENTIAL LEARNING/INTEGRATED ART EDUCATION
• Add headers and footers, numbering pages, grammar and spell check utilities, subscript and superscript, insert symbols, use print preview, and print a document.		
Ch.10 Microsoft Word 2010-III To make the students able to : • Insert pictures from files, create animations, add sound effects, and rehearse timings. • Insert pictures, change the page setting, add bullets and numbering, borders and shading, and insert tables – insert/delete rows and columns, merge and split cells. • Use auto-format, track changes, review comments, use of drawing tools, shapes and mathematical symbols.	Students will be able to: Insert pictures, bullets and numbering, borders and shading, tables in MS Word documents.	Create a text document with figures in it. It should describe a concept taught in another course.
PT – II EXAM		
Unit III: Office tools		
Ch.11 Microsoft Power Point 2010-I To make the students able to understand: • Presentation tool: understand the concept of slide shows, basic elements of a slide, different types of slide layouts	Students will be able to: Create and edit presentations in Microsoft Power Point 2010.	Create a presentation with animation.

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Create and save a presentation, and learn about the different views of a slide set – normal view, slide sorter view and hand-outs.		
Ch.12 Microsoft Power Point 2010-II To make the students able to : - Edit and format a slide: add titles, subtitles, text, background, and watermark, headers and footers, and slide numbers. - Applying Transition effect, Animation effects, and Sound effects.	Students will be able to: Apply different effects on different objects.	Create and edit existing images, and then include them in a presentation. Animate pictures and text with sound effects in a presentation.
Ch.13 Microsoft Excel 2010-I To make the students able to : - Spreadsheets: concept of a worksheet and a workbook, create and save a worksheet. - Working with a spreadsheet: enter numbers, text, date/ time, series using auto fill; edit and format a worksheet including changing the colour, size, font, alignment of text; insert and delete cells, rows and columns. - Enter a formula using the operators (+, -, *, /), refer to cells, and print a worksheet.	Students will be able to: Create and edit spreadsheets in Microsoft Excel 2010.	Create a simple spreadsheet and perform the following operations: min, max, sum, and average.

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Unit III: Office tools		
Ch.14 Microsoft Excel 2010-II To make the students able to : • Use simple statistical functions: SUM (), AVERAGE (), MAX (), MIN (), IF () (without compound statements). • Embed charts of various types: line, pie, scatter, bar and area in a worksheet.	Students will be able to: Create and edit spreadsheets in Microsoft Excel 2010, and use various formulas.	Create different types of charts using a spreadsheet: line, bar, and pie.
Unit IV: Python		
Ch.16 Introducing Python To make the students able to understand: • Introduction to Python • A simple "Hello World" program • Running a Python program • The notion of data-types and variables: integer, float, string. • Arithmetic operations: +, -, *, /	Students will be able to: Create a program using Python Language.	Write basic Python programs.