

TERM AND MONTH-WISE SPLIT-UP SYLLABI OF CLASS – VIII FOR THE SESSION 2026-2027

SUBJECT: ENGLISH

Textbook: 1. COMMUNICATE WITH CAMBRIDGE

2. GRAMMAR GEAR

Month	WD	Chapter/Sub-Topics	Learning Objectives	Art Integration	Inclusive Teaching	Project / Practical	Competency Based Activity Learning	Learning Outcomes
April	23	Grammar Ch 1 – Phrases (noun, adjective, adverb, prepositional phrases)	Understand types of phrases and their role in sentences	Phrase tree diagram	Visual charts and pair practice	Phrase identification worksheet	Phrase card sorting activity	Students identify and form phrases correctly
		Literature Unit 1 – Living in Harmony (Why Madge Changed Her Mind)	Develop reading comprehension and moral understanding	Draw scene from story	Reading aloud with peer support	Character sketch	Group discussion on moral values	Students interpret theme and characters
		Writing: Newspaper Report	Learn report writing format	Headline design	Writing frame	School event report	Peer editing	Write structured reports
		Grammar- Pronouns	Use pronouns to avoid repetition.	Pronoun chart	Guided practice	Worksheet tasks	Pronoun replacement activity	Learners apply pronoun rules.
May	07	Grammar Ch 2 – Noun Phrases (Functions)	Identify functions of noun phrases in sentences	Sentence structure chart	Mixed ability pair work	Noun phrase identification	Sentence building activity	Students apply noun phrases correctly
		Literature Unit 1 – Children of India	Understand cultural diversity	Cultural collage	Group reading	Poster on children's rights	Think-pair-share discussion	Students develop empathy and comprehension
June	16	Grammar Ch 3 – Articles (a, an, the)	Use definite and indefinite articles correctly	Article usage poster	Simple examples for slow learners	Newspaper article hunt	Article quiz game	Students use articles correctly

		Literature Unit 1 – Nature: The Gentlest Mother Is	Appreciate poetry and imagery	Nature drawing	Recitation practice	Nature scrapbook	Identify poetic devices	Students appreciate poetic language
		Writing: Biography	Write life sketches	Timeline chart	Guided writing	Biography of leader	Research activity	Present factual writing
July	26	Grammar Ch 4 – Adjectives (kinds, comparison, order)	Identify and use adjectives effectively	Adjective collage	Visual examples	Describe a picture	Comparative sentence challenge	Students apply adjectives accurately
		Literature Unit 2 – Reduce, Reuse, Recycle (Ada’s Violin)	Understand environmental issues	Recycling craft activity	Story discussion	Make recycled object	Problem-solution discussion	Students understand sustainability
		Grammar Ch 5 – Determiners	Learn types of determiners	Determiner chart	Pair practice	Worksheets	Sentence completion	Correct determiner usage
		Writing: Interview	Develop questioning skills	Dialogue poster	Role play	Mock interview	Communication activity	Conduct interviews
		Grammar Ch 24 – Direct & Indirect Speech	Convert speech forms correctly.	Speech chart	Demonstration	Exercise	Dialogue transformation	Learners report speech accurately.
Aug	24	Grammar Ch 7 – Tenses	Understand tense usage	Timeline chart	Mixed exercises	Story correction	Error detection	Use tenses accurately
		Literature – One Man One Movement	Learn about leadership	Biography poster	Group reading	Presentation	Debate	Understand social reform
		Writing: Posters	Design awareness posters	Poster art	Vocabulary support	Awareness poster	Creative presentation	Communicate visually
		Literature – A Hero	Learn courage and values	Character art	Reading groups	Role play	Moral reasoning	Interpret characters
		The Last Class	Analyse themes of patriotism and sacrifice	Historical poster	Guided reading	Story discussion	Diary entry writing	Learners interpret historical context.
		Invictus (Poem)	Interpret motivational tone and poetic style.	Poem calligraphy	Recitation support	Poem interpretation	Meaning discussion	Learners interpret motivational poetry.

Sep	23	Grammar- Verbs	Understand verbs and their functions.	Verb chart	Peer learning	Practice exercises	Sentence transformation	Learners construct grammatically correct sentences.
		Selekana and the River Goddess	Understand folk narratives and cultural values.	Tribal art drawing	Story narration	Story mapping	Group discussion	Learners interpret folk literature.
		Waiting for the Rain	Analyse environmental themes	Rain cycle illustration	Visual explanation	Nature observation	Debate activity	Learners develop ecological awareness
		REVISION TERM - 1	Reinforce Units 1–4 & Grammar 1–10	Concept maps	Group revision	Oral review	Quiz	Strengthen concepts
Oct	22	Her Head	Analyse narrative technique and theme.	Scene sketch	Guided reading	Character chart	Group discussion	Learners interpret narrative theme.
		The Future of Wellbeing	Interpret futuristic ideas and health awareness.	Health infographic	Group discussion	Research task	Poster presentation	Learners analyse future health ideas.
		This is Going to Hurt Just a Little Bit	Interpret humour and narrative tone.	Comic strip	Guided reading	Story reflection	Discussion	Learners appreciate humour in narrative.
		Grammar Ch 11 – Adverbs	Identify types and functions of adverbs.	Adverb chart	Peer exercises	Practice worksheet	Sentence improvement	Learners apply adverbs effectively.
		Writing – Condolence Letter	Learn formal expression of sympathy.	Letter layout design	Teacher modelling	Write condolence letter	Peer review	Learners draft formal condolence messages.
Nov	16	The Diary of a Young Girl	Understand diary as personal narrative.	Diary illustration	Audio support	Write diary entry	Reflective writing	Learners express

								thoughts through diary writing.
		Grammar Ch 13 – Conjunctions	Use coordinating and subordinating conjunctions.	Conjunction tree	Collaborative work	Worksheet	Sentence joining	Learners form complex sentences.
		Writing – Formal Email	Compose clear and structured formal emails.	Email template	Teacher guidance	Draft email	Peer editing	Learners write effective formal emails.
Dec	24	I Keep My Tryst with Everest	Explore theme of determination and adventure.	Mountain poster	Story narration	Research Everest facts	Presentation	Learners relate perseverance to success.
		Skater	Analyse character growth and determination.	Action sketch	Guided reading	Character diary	Role play	Learners analyse character development.
		Grammar Ch 14 – Prepositions	Apply correct prepositions in context.	Preposition map	Guided practice	Exercise sheet	Error correction	Learners use prepositions accurately.
		Writing – Formal Email	Compose clear and structured formal emails.	Email template	Teacher guidance	Draft email	Peer editing	Learners write effective formal emails.
		Grammar Ch 22 – Punctuation	Apply punctuation marks correctly.	Punctuation poster	Guided editing	Editing task	Text correction	Learners punctuate sentences correctly.
Jan	14	Marley’s Ghost	Understand elements of supernatural fiction.	Scene illustration	Story support	Character map	Role play	Learners interpret gothic elements.
		Grammar Ch 15 – Active & Passive Voice	Transform sentences between voices.	Voice flow chart	Practice drills	Worksheet	Sentence transformation	Learners convert voice correctly.
		Grammar Ch 23 – Parallelism	Maintain parallel structure in sentences.	Structure diagram	Example practice	Worksheet	Sentence balancing	Learners maintain

								grammatical parallelism.
Feb	22	Young Poets	Appreciate poetic expression and creativity.	Poetry collage	Recitation support	Write short poem	Poetry sharing	Learners express ideas through poetry.
		My Date with Greybeard	Analyse travel narrative and experiences.	Travel sketch	Audio explanation	Travel diary	Group discussion	Learners relate personal travel experiences.
		Grammar – Clauses	Identify clauses.	Clause tree	Teacher modelling	Exercise	Clause identification	Learners analyse clause relationships.
		Grammar Ch 21 – Subject Verb Agreement	Ensure agreement in number and person.	Agreement chart	Practice tasks	Worksheet	Error correction	Learners apply agreement rules.
		Final Revision TERM 2 – Literature & Grammar	Consolidate learning outcomes of entire syllabus.	Mind map	Differentiated revision	Mock test	Quiz activity	Learners demonstrate overall mastery.

SUBJECT: HINDI

Textbook: 1. Malhar 2.Hindi Grammar

Month	WI	Chapter/Sub-Topic	Learning Objectives	Art Integration	Inclusive Teaching	Project / Practical	Competency Based Activity Learning	Learning Outcomes
April	23	1. स्वदेश 2.दो गौरैया	देशप्रेम की भावना समझना, पक्षियों के प्रति संवेदनशीलता विकसित करना	देश का चित्र बनाना, पक्षियों का चित्र	धीमी गति से पढ़ने वाले बच्चों को समूह में पढ़ाना	मेरा देश” पोस्टर बनाना	पाठ का वाचन व चर्चा	विद्यार्थी देशप्रेम व प्रकृति के महत्व को समझेंगे
		भाषा, बोली, लिपि व्याकरण	भाषा, बोली, लिपि व्याकरण वर्ण-विचार के बारे में	भाषा, बोली, लिपि व्याकरण को सुगमता से याद रखने के लिए एक गीत या पहेली की रचना करें ।	विवज का आयोजन समूह चर्चा	भाषा और बोली में अंतर उदाहरण सहित लिखें ।	एल.ओ.ए	भाषा, बोली, लिपि व्याकरण वर्ण-विचार की समझ
May	07	पुनरावृत्ति / गतिविधियाँ	पिछले पाठों की पुनरावृत्ति	चित्र आधारित चर्चा	जोड़ी में पढ़ना	कहानी सुनाना	प्रश्नोत्तर गतिविधि	सीखे हुए विषयों को दोहरा पाएंगे
June	16	एक आशीर्वाद	परिवार व बड़ों के सम्मान का महत्व समझना	परिवार का चित्र बनाना	समूह चर्चा	अपने परिवार पर छोटा अनुच्छेद लिखना	भूमिका अभिनय	विद्यार्थी परिवार के मूल्यों को समझेंगे
		वर्ण-विचार	वर्ण, वर्णमाला	मानक वर्णमाला को चार्टपेपर पर सजाकर लिखें ।	प्रश्नोत्तरी का आयोजन एवं समूह चर्चा	वर्णवृक्ष का मॉडल बनाएँ	-एल. ओ. ए.	वर्ण विचार विभिन्न प्रकार के वर्णों की जानकारी
July	26	1. हरिद्वार 2. कबीर के दोहे	धार्मिक स्थल का महत्व, कबीर के विचार समझना	हरिद्वार का चित्र, दोहों की सुलेख	सरल भाषा में व्याख्या	दोहे याद करना	दोहों का अर्थ समझाकर प्रस्तुत करना	विद्यार्थी दोहों का अर्थ समझ सकेंगे
		व्याकरण- शब्द विचार और शब्द भंडार, (विकारी शब्द)	विभिन्न प्रकार के शब्दों को समझना जैसे- विकारी शब्द, एवं अविकारी शब्द एकार्थी, अनेकार्थी शब्द विलोम शब्द	शब्द वृक्ष बनाकर विभिन्न प्रकार के शब्दों को दिखाना	अलग-अलग प्रकार के शब्दों का उदाहरण देकर विभिन्न प्रकार के शब्दों को बताना	शब्द वृक्ष बनाकर विभिन्न प्रकार के शब्दों को दिखाना	शब्द वृक्ष बनाकर विभिन्न प्रकार के शब्दों को दिखाना	विभिन्न प्रकार के शब्दों को समझना जैसे- विकारी शब्द, एवं अविकारी शब्द एकार्थी, अनेकार्थी शब्द

			पर्यायवाची शब्द अनेक शब्दों के बदले एक शब्द श्रुतिसम भिन्नार्थक शब्द					विलोम शब्द पर्यायवाची शब्द अनेक शब्दों के बदले एक शब्द श्रुतिसम भिन्नार्थक शब्द
		व्याकरण — संज्ञा के विकार	लिंग वचन कारक	चार्ट पेपर पर आरेख बनाएँ	उदाहरणों का वाक्य प्रयोग – समूह चर्चा	सभी कारक चिह्नों का प्रयोग करते हुए एक-एक वाक्य लिखें	एल.ओ.ए. एवं प्रश्न उत्तर	लिंग, वचन कारक की जानकारी
Aug	24	एक टोकरी भर मिट्टी	त्याग और श्रम का महत्व समझना	कहानी का दृश्य चित्रित करना	कहानी सुनाकर समझाना	कहानी पर नाटक	समूह गतिविधि	विद्यार्थी कहानी का संदेश समझेंगे
		व्याकरण — पत्र लेखन, अनुच्छेद लेखन, विज्ञापन लेखन,	अनौचारिक पत्र औपचारिक पत्र <u>अनुच्छेद लेखन कैसे करें</u>	अनौचारिकपत्र औपचारिक पत्र लेखन, करें	लेखन प्रतियोगिता	अनौचारिक पत्र एवं औपचारिक पत्र का अभ्यास करें	अनुच्छेद लेखन, एवं विज्ञापन लेखन, प्रतियोगिता	पत्र लेखन, अनुच्छेद लेखन, विज्ञापन लेखन,
		उपसर्ग, प्रत्यय और समास	उपसर्ग, प्रत्यय और समास परिभाषा, उदाहरण, भेद	चार्ट पेपर पर समास के विभिन्न भेदों को लिखकर सजाएँ।	एल.ओ.ए. प्रश्नोत्तरी का आयोजन	दस ऐसे शब्दों को लिखें जिसमें उपसर्ग एवं प्रत्यय हों।	बच्चों का समूह विभाजन कर प्रश्नोत्तरी का आयोजन	उपसर्ग, प्रत्यय और समास परिभाषा, उदाहरण, भेद की जानकारी
Sep	23	पुनरावृत्ति / अर्धवार्षिक परीक्षा	सीखे हुए पाठों की पुनरावृत्ति	चार्ट बनाना	कमजोर छात्रों को अतिरिक्त सहायता	प्रश्नपत्र अभ्यास	क्विज	विद्यार्थी परीक्षा की तैयारी करेंगे
Oct	22	मत बांधो	स्वतंत्रता और सोच की आज़ादी समझना	पोस्टर बनाना	चर्चा आधारित शिक्षण	निबंध लेखन	वाद-विवाद	विद्यार्थी स्वतंत्र सोच का महत्व समझेंगे
		व्याकरण – अविकारी शब्द (अव्यय)	क्रियाविशेषण, संबंधबोधक समुच्चयबोधक विस्मयादिबोधक निपात	चार्ट पेपर पर विभिन्न प्रकार के अविकारी शब्दों की एक सूची बनाएँ।	प्रश्नोत्तरी का आयोजन	अलग –अलग प्रकार के अविकारी शब्दों का कार्ड बनाएँ।	बच्चों का समूह विभाजन कर प्रश्नोत्तरी का आयोजन	अविकारी शब्दों की जानकारी

		अशुद्धि शोधन	शब्द एवं वाक्य		शब्दों एवं वाक्यों को शुद्ध करने का अभ्यास करना		अशुद्ध शब्दों एवं वाक्यों को शुद्ध करना	शब्दों एवं वाक्यों का शुद्ध वाचन एवं लेखन
Nov	16	नए मेहमान	अतिथि सत्कार और सामाजिक व्यवहार	घर का दृश्य चित्रित करना	कहानी सुनाना	अतिथि पर अनुच्छेद	भूमिका अभिनय	विद्यार्थी सामाजिक व्यवहार सीखेंगे
		व्याकरण –काल	<u>परिभाषा भेद</u> <u>वर्तमान काल</u> <u>भूतकाल</u> <u>भविष्य काल</u>	भूतकाल एवं भविष्यत काल में संवाद लेखन करें	सभी प्रकार के काल का दो-दो वाक्य लिखें।	काल एवं उसके भेदों को चित्र सहित दर्शाएँ	चार्ट पेपर पर काल का आरेख बनाएँ एल.ओ.ए	काल की परिभाषा भेद काल की पहचान
Dec	24	आदमी का अनुपात तरुण के स्वप्न	जीवन मूल्यों व सपनों का महत्व समझना	स्वप्न चित्र बनाना	प्रेरक चर्चा	“मेरा सपना” लेखन	प्रस्तुति गतिविधि	विद्यार्थी अपने लक्ष्य निर्धारित करेंगे
		व्याकरण – विराम चिह्न	विराम चिह्नों का प्रयोग एवं महत्व	सभी प्रकार के विराम चिह्नों को नाम सहित सुंदर लिखावट में लिखें।		सभी विराम चिह्नों का प्रयोग करते हुए दो-दो वाक्य लिखें	समूह बनाकर प्रश्नोत्तरी का आयोजन	विराम चिह्नों का प्रयोग एवं कार्य
		व्याकरण – वाक्य-विचार, मुहावरे और लोकोक्तियाँ	<u>वाक्य की परिभाषा</u> <u>एवं संरचना की समझ</u> <u>– वाक्य की परिभाषा</u> <u>वाक्य की संरचना</u> <u>अर्थ के आधार पर वाक्य के भेद</u> <u>रचना के आधार पर वाक्य के भेद</u>		समूह चर्चा	रचना एवं अर्थ के आधार पर वाक्य के सभी भेदों को चार्ट पेपर पर सजाकर लिखें	समूह बनाकर प्रश्नोत्तरी का आयोजन –एल. ओ. ए.	<u>वाक्य की परिभाषा</u> <u>एवं संरचना की समझ</u> <u>वाक्य निर्माण</u>
Jan	14	पुनरावृत्ति	पूरे पाठ्यक्रम की पुनरावृत्ति	माइंड मैप	समूह अध्ययन	मॉडल टेस्ट	क्विज का आयोजन	विद्यार्थी विषय को दोहरा सकेंगे
Feb	22	वार्षिक परीक्षा / गतिविधियाँ	वर्ष भर की सीख का मूल्यांकन		व्यक्तिगत सहायता	अभ्यास प्रश्न	चर्चा	विद्यार्थी पूरे पाठ्यक्रम को समझ सकेंगे

अष्टमीकक्षा

विषयः संस्कृतम्

निर्धारितपुस्तकानि -----

पाठ्यपुस्तकम् -----

सहायकपुस्तकम् -----

सहायकपुस्तकम् -----

दीपकम् (रा. शै. अनु. परि.)

मङ्गलम् संस्कृतव्याकरणम् तृतीयो भागः(दीपू प्रकाशन)

संस्कृतसहचरः (आचार्य राधामोहन उपाध्याय, श्री घनश्याम पाण्डेय)

निर्धारितपाठ्यपुस्तकानि --

मासाः	दि व साः	अध्यायाः उपविषयाः च	शिक्षणस्य उद्देश्याः	कला-एकीकरणम्	समावेशीशिक्षणम्	परियोजनाकार्यम्/प्र योगाः च	योग्यताधारितशिक्ष णम्	शिक्षणस्य लाभाः
अप्रैल	23	व्याकरणतः						
		वर्णसंयोजनं वर्णवियोजनं च।	वर्णाधारेण पदपरिचयः, स्वरव्यञ्जनमध्ये भेदः च।	गणित हिन्दीशिक्षकस्य सहायतया मेलनम् योगात्मकक्रिया	वर्णसंयोजनं वर्णवियोजनं माध्यमेन स्वपरिवारस्य सदस्यानां नामानि लेखनम्	केनप्रकारेण कथं पदनिर्माणं भवति? अस्यान्वेषणम्, परियोजनाकार्यम्।	वाक्यनिर्माणप्रक्रिया याः ज्ञानम्।	वाक्यनिर्माणप्र क्रियायाः ज्ञानम्।
		उच्चारणस्थानानि।	उच्चारणस्थानपरिचयः, उच्चारणस्थानैः पदपरिचयः	उच्चारणस्थानानि संगीतसाधनैः तालिकामाध्यमेन	लेखनं स्मरणं च (गृहकार्यम्)	उच्चारणस्थानतालि कानिर्माणकार्यम्	उच्चारणस्थानपदनि र्माणकार्यम्।	उच्चारणस्थानैः पदपरिचयः
		सन्धिः - दीर्घगुणवृद्धिश्च ।	सन्धिपरिचयः	गणितशिक्षकस्य सहायतया	लेखनशैल्याः विकासः	सन्धिकार्यं किमर्थं करणीयम्?	सन्धिपरिचयः	भाषाशुद्धता
		शब्दरूपाणि - बालक, लता, फल, किम्, तत्,	शब्दरूपाणां स्मरणम्	भाषाज्ञानम्	बौद्धिकविकासः	पुरुषलिङ्गवचनजा नम्	स्मरणं लेखनं च। शब्दरूपाणां ज्ञानम्	

		एतत्अस्मद्, युष्मद्, (त्रिषु लिङ्गेषु)						
		धातुरूपाणि- लट्लृट्लोट्लकारेषु -- पठ्, चल्, खाद्, पत्, हस्, गम्, खेल्, क्रीड्, लिख्, भू, अस्, कृ।	धातुरूपाणां स्मरणम्	भाषाज्ञानम्	बौद्धिकविकासः	पुरुषलिङ्गवचनज्ञानम्	धातुरूपाणां स्मरणं लेखनं च	धातुरूपाणां ज्ञानम्
		दीपकम्						
		प्रथमः पाठः संगच्छध्वं संवदध्वम्	संज्ञानसूक्तम् इव ऋग्वेदस्य सूक्तानां ज्ञानम्	हिन्दीशिक्षकस्य सहायतया जगति एकतां स्थापयितुं विविधान् उपायान् अध्यापकैः सह चर्चा भविष्यति।	संज्ञानसूक्तस्य आधारेण भवत्सु एकतां स्थापयितुं विविधान् उपायान् अध्यापकैः सह आलोचयत।	1 अस्य सूक्तस्य भावार्थं मित्रैः सह मातृभाषया चर्चयत। 2 संज्ञानसूक्तम् इव ऋग्वेदस्य पञ्चानां सूक्तानां नामानि लिखत।	सूक्तीनां माध्यमेन व्यवहारिकज्ञानम्।	सूक्तीनां माध्यमेन व्यवहारिकज्ञानम् ।
		अल्पानामपि वस्तूनां संहतिः कार्यसाधिका	नैतिकमूल्यानां जीवने विकासः	छात्राणां सहायतया अभिनयात्मकवि धिना	एकतायाः महत्त्वम्	छात्राणां सहायतया अभिनयात्मकविधि ना मिलित्वा मञ्चनम्	नैतिकतायाः विकासः	जीवनमूल्यानाम् अभिवृद्धिः
मई	07	व्याकरणतः कर्तृक्रियामेलनम् (लट्लृट्लकारयोः)। अनुवादकार्यम्,	विभक्तिः, पुरुषः, लिङ्गः वचनज्ञानम्।	भाषाज्ञानम्	भाषाकौशलस्य प्रयोगः	पुरुषलिङ्गवचनज्ञानम्	कर्तृक्रियापरिचयः	अनुवादकार्यम्

जून	16	व्याकरणतः						
		प्रत्ययौ - क्त, क्तवतु	प्रत्ययज्ञानं प्रयोगः च।	भाषाज्ञानम्	भूतकालवाक्ये प्रत्ययप्रयोगः	प्रत्ययज्ञानम्	वाक्ये प्रत्ययप्रयोगः	प्रत्यये वाक्यनिर्माणम्
		शब्दरूपाणि - किम्, तत्, एतत्, अस्मद्, युष्मद्, नदी, मातृ, पितृ (त्रिषु लिङ्गेषु)।	शब्दरूपाणां स्मरणम्	भाषाज्ञानम्	बौद्धिकविकासः	पुरुषलिङ्गवचनज्ञानम्	शब्दरूपाणां स्मरणं लेखनं च।	शब्दरूपाणां ज्ञानम्
		धातुरूपाणि- लट्लृट्लोट्लङ्लकारेषु ---पठ्, चल, खाद्, पत्, हस्, गम्, खेल, क्रीड्, लिख, भू, अस्, कृ।	धातुरूपाणां स्मरणम्	भाषाज्ञानम्	बौद्धिकविकासः	पुरुषलिङ्गवचनज्ञानम्	धातुरूपाणां स्मरणं लेखनं च	धातुरूपाणां ज्ञानम्
		चित्रवर्णनम्, अनुवादकार्यम्, अपठितगद्यान्शम्, अशुद्धिसंशोधनम् च।	विभक्तिः, पुरुषः, लिङ्गः वचनज्ञानम्।	भाषाज्ञानम्	भाषाकौशलस्य प्रयोगः	पुरुषलिङ्गवचनज्ञानम्	कर्तृक्रियापरिचयः	अनुवादकार्यम्
		दीपकम्						
		तृतीयः पाठः सुभाषितरसं पीत्वा जीवनं सफलं कुरु	अस्माभिः किं कर्तव्यं किं न अस्य प्रेरणाप्रदानम्	व्यवहारिकज्ञानम्	सूक्तीनां माध्यमेन व्यवहारिकज्ञानम् ।	पाठाधारे गृहकार्यम्	सम्यक् विचारोपरान्त सत्यमार्गस्य अनुसरणम्	अस्माभिः किं कर्तव्यं किं न अस्य प्रेरणाप्रदानम्
जुलाई	26	व्याकरणतः						

	अव्ययाः - च, अपि, यदा, तदा, कदा, यत्र, तत्र, अत्र, अन्यत्र, कुत्र, सर्वत्र, एव, इव, यथा, तथा, विना, पुरा, अधुना, तु, अधः, उपरि।	अव्ययप्रयोगः	भाषाज्ञानम्	अव्ययानां वाक्यप्रयोगः	अव्ययज्ञानम्	अव्ययप्रयोगः कुत्र कथं करणीयम्?	पुस्तकात् अव्ययपदानि चित्वा लेखनम्।
	पर्यायाः 1-17 पर्यन्तम्	पर्यायज्ञानम्	भाषाज्ञानम्	पर्यायप्रयोगः	पर्यायज्ञानम्	पर्यायः किं भवति?	पुस्तकात् पर्यायपदानि चित्वा लेखनम्।
	विपर्ययाः 1-30 पर्यन्तम्	विपर्ययज्ञानम्	भाषाज्ञानम्	विपर्ययप्रयोगः	विपर्ययज्ञानम्	विपर्ययः किं भवति?	पुस्तकात् विपर्ययपदानि चित्वा लेखनम्।
	संख्या - 1-100 पर्यन्तम्।	संख्याज्ञानम्	भाषाज्ञानम्	संख्याप्रयोगः	संख्याज्ञानम्	संख्या किं भवति?	पुस्तकात् संख्यावाचिपदानि चित्वा लेखनम्।
	कारकउपपदविभक्तिः, (द्वितीया तु चतुर्थी पर्यन्तम्) अनुवादकार्यं, अशुद्धिसंशोधनं, अपठितगद्यान्शं पत्रलेखनं च।	लेखनकौशलस्य विकासः अशुद्धवाक्यानां शुद्धिकरणम्	भाषाज्ञानम्	वाक्यनिर्माणम्, अनुवादकार्यं च।	पुरुषलिङ्गवचनज्ञानम्	कर्तृक्रियामेलनम्	अनुवादकार्यम्
	दीपकम् ----						

		चतुर्थः पाठः प्रणम्यो देशभक्तोऽयं गोपबन्धुर्महामनाः	देशभक्तिभावनायाः उत्पाद्यता	सामाजिकशिक्षक स्य सहायतया देशभक्तानां अध्यापकैः सह चर्चा भविष्यति।	देशबन्धुमहोदयस्य जीवनपरिचयः	दश देशभक्तानां जीवनपरिचयः लिखत।	देशप्रेमस्य भावनायाः जागरणम्	देशप्रेमस्य भावनायाः जागरणम्
		पञ्चमः पाठः गीता सुगीता कर्तव्या	विविधधर्मानां नामानि विलिख्य एकस्य ग्रन्थस्य विवरणं लिखत।	<u>सङ्गीतशिक्षकस्य</u> <u>सहायतया</u> <u>श्लोकपाठं कुरुत।</u>	विविधधर्मानां नामानि विलिख्य एकस्य ग्रन्थस्य विवरणं लिखत।	श्रीमद्भागवद्गीतायाः श्लोकान् स्मरणं कुरुत।	विविधधर्मानां नामानि विलिख्य एकस्य ग्रन्थस्य विवरणं लिखत।	नैतिकमूल्यानां विकासः
अग स्त	24	व्याकरणतः -----						
		अपठित-अवबोधनं, चित्रवर्णनं, पत्रलेखनं, संवादलेखनम्, अशुद्धिसंशोधनम्, अनुवादकार्यं च।	लेखनकौशलस्य विकासः अशुद्धवाक्यानां शुद्धिकरणम्	भाषाज्ञानम्	भाषाकौशलस्य प्रयोगः	पुरुषलिङ्गवचनज्ञा नम्	कर्तृक्रियामेलनम्	अनुवादकार्यम्
		दीपकम् -----						
		षष्ठः पाठः डिजिभारतम् - युगपरिवर्तनम्	डिजिटलइण्डियायाः ज्ञानम्	व्यवहारिकज्ञानम्	कम्प्यूटर शिक्षकसहायतया	समाजे नूतनाविष्कारां अन्तर्जालम् इत्यादयाविष्कारां महत्त्वम्	डिजिभारतस्य महत्त्वम्	डिजिटलइण्डि यायाः ज्ञानम्
सप्तमः पाठः	संस्कृतभाषायाः महत्त्वम्	व्यवहारिकज्ञानम्	-----	पाठाधारे गृहकार्यम्	भारतवर्षस्य संस्कृतिः,	संस्कृतभाषायाः महत्त्वम्		

		मञ्जुलमञ्जूषा सुन्दरसुरभाषा					कार्याणि, महत्त्वं च।	वर्णनम् च।
सित म्बर	23	अर्धवार्षिकी परीक्षायाः पुनरावृत्तिः, अर्धवार्षिकी परीक्षा च।	अर्धवार्षिकी परीक्षायाः पुनरावृत्तिः, अर्धवार्षिकी परीक्षा च।	अर्धवार्षिकी परीक्षायाः पुनरावृत्तिः, अर्धवार्षिकी परीक्षा च।	अर्धवार्षिकी परीक्षायाः पुनरावृत्तिः, अर्धवार्षिकी परीक्षा च।	अर्धवार्षिकी परीक्षायाः पुनरावृत्तिः, अर्धवार्षिकी परीक्षा च।	अर्धवार्षिकी परीक्षायाः पुनरावृत्तिः, अर्धवार्षिकी परीक्षा च।	अर्धवार्षिकी परीक्षायाः पुनरावृत्तिः, अर्धवार्षिकी परीक्षा च।
अक्तूब र	22	व्याकरणतः -----						
		अव्ययाः	अव्ययानां ज्ञानं प्रयोगं च।	भाषाज्ञानम्	वाक्येषु अव्ययप्रयोगः	अव्ययज्ञानम्	अव्ययपदनिर्माण म्	पदनिर्माणम् लेखनं ज्ञानं च।
		पर्यायाः 1-38 पर्यन्तम्	पर्यायपदज्ञानम्	भाषाज्ञानम्	पर्यायभेदाः	पर्यायज्ञानम्	पर्यायप्रयोगः	पदनिर्माणम् लेखनं ज्ञानं च।
		विपर्ययाः 1-60 पर्यन्तम्	विपर्ययपदज्ञानम्	भाषाज्ञानम्	विपर्ययभेदाः	विपर्ययज्ञानम्	विपर्ययपदप्रयोगः	पदनिर्माणम् लेखनं ज्ञानं च।
		समयलेखनम्	समयज्ञानम्	भाषाज्ञानम्	घटिकानिर्माणम्	समयलेखनम्	समयदर्शनम्	पुस्तकात् समयाधारितप दानि चित्वा लेखनम्।
		कारकउपपदविभक्तिः (पञ्चमीषष्ठीसप्तमी)	लेखनकौशलस्य विकासः अशुद्धवाक्यानां	भाषाज्ञानम्	कारकउपपदविभ क्तिः(पञ्चमीष ष्ठीसप्तमी)अशु	पुरुषलिङ्गवचनज्ञा नम्	कर्तृक्रियामेलनम् अनुवादकार्यम्	अनुवादं, पदानां शुद्धिकरणम् च।

		अशुद्धिसंशोधनम् संवादलेखनम्, पत्रलेखनम्	शुद्धिकरणम्		दुद्धिसंशोधनम् संवादलेखनम्, पत्रलेखनम्			
		दीपकम् -----						
		अष्टमः पाठः पश्यत कोणमैशान्यं भारतस्य मनोहरम्	सप्तभगिन्यःवर्णनम्	इतिहासशिक्षकस्य सहायतया	उत्तरपूर्वीराज्यानां विशेषताः	पूर्वोत्तरराज्यानां पर्यटनस्थलानां नामानि लिखित्वा तेषां संक्षिप्तं वर्णनं कुरुत।	उत्तरपूर्वीराज्यानां संस्कृतीनां विषये ज्ञानार्जनम्	उत्तरपूर्वीरा ज्यानां संस्कृतीनां विषये ज्ञानार्जनम्
		नवमः पाठः कोऽरुक्? कोऽरुक्? कोऽरुक्?	स्वास्थ्यं प्रति रुचिजागरणम्	जीवविज्ञानशिक्षक स्य सहायतया	स्वास्थ्यस्य आहारस्य च महत्त्वम्	स्वास्थ्यसम्बद्धं दश श्लोकानां संग्रहणम्	चरकसंहितायाः परिचयः	स्वास्थ्यलाभः
नवम्ब र	16	व्याकरणतः -----						
		सन्धिः यण्, अयादि।	सन्धिपरिचयः	भाषाज्ञानम्	गणितशिक्षकसहा तया	पदपरिचयः	सन्धिकार्यं किमर्थं करणीयम्?	पदनिर्माणम्
		शब्दरूपाणि--- मातृ, पितृ, भवत्, जगत्, राजन्	शब्दरूपाणां स्मरणम्	भाषाज्ञानम्	भाषाशुद्धता, बौद्धिकविकासः	पुरुषलिङ्गवचनजा नम्	शब्दरूपाणां स्मरणं लेखनं च।	शब्दरूपाणां ज्ञानम्
		धातुरूपाणि- पञ्चलकारेषु ---- पठ्, चल्, खाद्, पत्, हस्, गम्, खल्, क्रीड्, लिख्, भू, अस्,	धातुरूपाणां स्मरणम्	भाषाज्ञानम्	भाषाशुद्धता, बौद्धिकविकासः	पुरुषलिङ्गवचनजा नम्	धातुरूपाणां स्मरणं लेखनं च	धातुरूपाणां ज्ञानम्

		कृ।						
		दीपकम् -----						
		दशमः पाठः सन्निमित्ते वरं त्यागः (क-भागः)	कथामाध्यमेन नैतिकशिक्षा	पाठस्य कथाधारेण एकं संस्कृतनाटकस्य मञ्चनमम्	जीवनमूल्यानाम् अभिवृद्धिः	कर्तव्यनिष्ठाम् अधिकृत्य दश सूक्तिनां संकलनं कुरुत।	रोचकता	जीवने नैतिकमूल्या नाम् उपयोगिता
		व्याकरणतः -----						
		कारकउपपदविभक्तिः (प्रथमा तु सप्तमी पर्यन्तम्) अपठित-अवबोधनम् अनुवादकार्यं, संवादलेखनम्, पत्रलेखनम्	लेखनकौशलस्य विकासः अशुद्धवाक्यानां शुद्धिकरणम्	भाषाज्ञानम्	कारकउपपदविभ क्तिः (पञ्चमीषष्ठीस प्तमी) अशुद्धिसंशोधन म् संवादलेखनम्, पत्रलेखनम्	पुरुषलिङ्गवचनज्ञा नम्	कर्तृक्रियामेलनम्, अनुवादकार्यम् च।	अनुवादं, पदानां शुद्धिकरणम् च।
		प्रत्ययौ तव्यत् , अनीयर्	प्रत्ययौ ज्ञानं प्रयोगः च।	भाषाज्ञानम्	बौद्धिकविकासः।	प्रत्ययज्ञानम्	वाक्ये प्रत्ययप्रयोगः	प्रत्यये वाक्यनिर्माणम्
		सन्धि- दीर्घ, गुण, वृद्धि, यण, अयादिश्च।	सन्धिपरिचयः	भाषाज्ञानम्	गणितेन सह मेलनम्	सन्धिपरिचयः	सन्धिः किमर्थं करणीयम्	व्याकरणज्ञानम्
		दीपकम् -----						
		एकादशः पाठः सन्निमित्ते वरं त्यागः (ख-भागः)	कथामाध्यमेन नैतिकशिक्षा	पाठस्य कथाधारेण एकं संस्कृतनाटकस्य	जीवनमूल्यानाम् अभिवृद्धिः	कर्तव्यनिष्ठाम् अधिकृत्य दश सूक्तिनां संकलनं	रोचकता	जीवने नैतिकमूल्यानाम् उपयोगिता

				मञ्चनमम्		कुरुत।		
		द्वादशः पाठः सम्यग्वर्णप्रयोगेण ब्रह्मलोके महीयते	अस्माभिः किं कर्तव्यं किं न अस्य प्रेरणाप्रदानम्	कथामाध्यमेन नैतिकमूल्यानाम् अभिवृद्धिः	सम्यक विचारोपरान्त सत्यमार्गस्य अनुसरणम्	कक्ष्यायां श्लोकोच्चारण- प्रतियोगितां कर्तव्यम्	सम्यक विचारोपरान्त सत्यमार्गस्य अनुसरणम्	अस्माभिः किं कर्तव्यं किं न अस्य प्रेरणाप्रदानम्
जनव री	14	व्याकरणतः -----						
		व्याकरणतः अपठित-अवबोधनम् चित्रवर्णनम् अनुवादकार्यम्, संवादलेखनम्, पत्रलेखनम् च।	लेखनकौशलस्य विकासः अशुद्धवाक्यानां शुद्धिकरणम्	भाषाज्ञानम्	बौद्धिकविकासः।	पुरुषलिङ्गवचनज्ञा नम्	कर्तृक्रियाज्ञानम्	अनुवादं, पदानां शुद्धिकरणम् च।
		दीपकम् -----						
		त्रयोदशः पाठः वर्णोच्चारण-शिक्षा -1	उच्चारणस्थानपरिचयः, उच्चारणस्थानैः पदपरिचयः	उच्चारणस्थानानि संगीतसाधनैः तालिकामाध्यमेन	व्याकरणज्ञानम्	माहेश्वरसूत्राणां स्मरणं लेखनं च	उच्चारणस्थानता लिकानिर्माणकार्य म्	उच्चारणस्थानैः पदपरिचयः
फरवरी	22	वार्षिकपरीक्षायाः पुनरावृत्तिः, वार्षिकी परीक्षा च।	वार्षिकपरीक्षायाः पुनरावृत्तिः, वार्षिकी परीक्षा च।	वार्षिकपरीक्षायाः पुनरावृत्तिः, वार्षिकी परीक्षा च।	वार्षिकपरीक्षायाः पुनरावृत्तिः, वार्षिकी परीक्षा च।	वार्षिकपरीक्षायाः पुनरावृत्तिः, वार्षिकी परीक्षा च।	वार्षिकपरीक्षा याः पुनरावृत्तिः, वार्षिकी परीक्षा च।	

Subject: MATHEMATICS

Prescribed book- 1. Vertex (KONCEPT GLOBAL BOOKS)

4. Lab Manual of Mathematics Class – 8 (ORBIT PRESS Publication)

Month	WD	Chapter/Sub-Topics	Learning Objectives	Art Integration	Inclusive Teaching	Project / Practical	Competency Based Activity Learning	Learning Outcomes
April	23	1. Squares, Cubes and Their Roots <ul style="list-style-type: none"> Learn about perfect squares Cube numbers Properties of cube numbers through patterns Real-world applications 	<ul style="list-style-type: none"> Understand the concept of perfect squares and cube numbers. Identify patterns in squares and cubes. Explore properties of cube numbers through number patterns. Apply knowledge of squares and cubes to real-life situations. 	Pixel Puzzle Activity: Students colour a grid to highlight perfect squares and cubes and observe patterns.	<ul style="list-style-type: none"> Use number charts, visual grids, and step-by-step explanations. Provide additional examples for slow learners. Encourage peer-assisted learning and group discussions. 	Number Pattern Project: Students collect real-life examples of squares and cubes (tiles, building blocks, packaging boxes) and present the patterns through charts or models.	<ul style="list-style-type: none"> Pattern-finding activities using number tables. Group tasks to identify square and cube numbers. Solve real-life problems involving squares and cubes. 	Students will be able to: <ul style="list-style-type: none"> Recognize perfect squares and cube numbers. Identify patterns in square and cube numbers. Apply these concepts to solve mathematical and real-life problems.
		2. Exponents and Powers <ul style="list-style-type: none"> Master the laws of exponents Scientific notation with fun challenges to master the order of operations 	<ul style="list-style-type: none"> Master the laws of exponents for calculations. Apply order of operations in expressions with exponents. Express very 	Poster Making Activity: Students create colourful posters illustrating laws of exponents and	<ul style="list-style-type: none"> Step-by-step examples for slow learners. Encourage peer discussions and group learning. Provide 	Scientific Notation Challenge: Students convert real-world large/small numbers (like distance,	<ul style="list-style-type: none"> Simplify expressions using laws of exponents. Apply scientific notation to solve practical 	Students will be able to: <ul style="list-style-type: none"> Apply the laws of exponents to simplify calculations. Express very large or very small

			large or small numbers using scientific notation.	examples in scientific notation.	challenge problems for advanced learners.	population) into scientific notation and solve related problems.	problems. • Collaborative exercises in groups.	numbers using scientific notation. • Solve problems involving order of operations confidently.
May	07	<p>3. How numbers behave</p> <ul style="list-style-type: none"> • Use the distributive property • Patterns to understand multiplication • Expand algebraic expressions 	<ul style="list-style-type: none"> • Understand and apply the distributive property in calculations. • Recognize patterns in multiplication for faster computation. • Expand algebraic expressions confidently. 	<p>Pattern Art Activity: Create visual grids showing multiplication patterns and distributive property illustrations.</p>	<ul style="list-style-type: none"> • Step-by-step demonstrations for slow learners. • Encourage peer-assisted practice. • Offer extension problems for advanced learners. 	<p>Expression Expansion Project: Students collect simple expressions from daily life (like price \times quantity) and expand them using distributive property.</p>	<ul style="list-style-type: none"> • Apply distributive property to simplify calculations. • Identify and use patterns in multiplication. • Practice expanding expressions collaboratively. 	<p>Students will be able to:</p> <ul style="list-style-type: none"> • Apply the distributive property in numerical and algebraic problems. • Recognize multiplication patterns to simplify calculations. • Expand algebraic expressions correctly and efficiently.
June	16	<p>4. Operations with Algebraic expressions</p> <ul style="list-style-type: none"> • Create expressions from visual patterns • Learn to translate phrases into algebra. 	<ul style="list-style-type: none"> • Convert visual patterns and verbal statements into algebraic expressions. • Identify and understand terms, 	<p>Visual Expression Art: Students draw patterns (tiles, grids) and write corresponding algebraic</p>	<ul style="list-style-type: none"> • Provide guided examples for translating phrases. • Encourage peer discussion to identify terms and coefficients. • Extra practice 	<p>Expression Translation Project: Collect verbal statements from everyday life (e.g., “5 more than twice a number”) and write algebraic</p>	<ul style="list-style-type: none"> • Apply understanding of terms and coefficients to create correct expressions. • Convert visual or verbal patterns into algebraic 	<p>Students will be able to:</p> <ul style="list-style-type: none"> • Translate visual or verbal situations into algebraic expressions. • Identify terms, coefficients, and constants

		<ul style="list-style-type: none"> Identify key parts like terms and coefficients. 	<p>coefficients, and constants in expressions.</p> <ul style="list-style-type: none"> Simplify algebraic expressions accurately. 	<p>expressions.</p>	<p>for slow learners and extension tasks for advanced learners.</p>	<p>expressions.</p>	<p>form.</p> <ul style="list-style-type: none"> Collaborative exercises for peer learning. 	<p>accurately.</p> <ul style="list-style-type: none"> Simplify algebraic expressions correctly and efficiently.
		<p>5. Mastering Algebraic Identities</p> <ul style="list-style-type: none"> Advance your skills with the three standard identities Three standard identities: $(a + b)^2$, $(a - b)^2$, $(a^2 - b^2)$ Geometric visualisations of identities 	<ul style="list-style-type: none"> Understand and apply the three standard algebraic identities. Visualize identities using geometric patterns. Use identities to simplify and solve algebraic expressions. 	<p>Geometric Art Activity: Draw squares and rectangles to visualize identities like $(a+b)^2$, $(a-b)^2$ and (a^2-b^2).</p>	<ul style="list-style-type: none"> Step-by-step guidance for slow learners to understand each identity. Use peer learning for pattern recognition and practice. Provide challenge problems for advanced learners. 	<p>Identity Visualization Project: Students use grids, tiles, or drawings to demonstrate the three standard identities geometrically.</p>	<ul style="list-style-type: none"> Apply algebraic identities to simplify expressions. Use geometric visualization to understand abstract concepts. Group problem-solving to reinforce learning. 	<p>Students will be able to:</p> <ul style="list-style-type: none"> Master the three standard algebraic identities. Apply identities to simplify and solve algebraic expressions. Visualize algebraic identities through geometric patterns.

July	26	<p>6. Exploring Quadrilaterals</p> <ul style="list-style-type: none"> • Learn to identify different types quadrilaterals • Discover their unique properties 	<ul style="list-style-type: none"> • Recognize and classify various quadrilaterals. • Understand the properties of quadrilaterals (sides, angles, diagonals). • Apply properties to solve geometrical problems. 	<p>Shape Art Activity: Students draw and decorate different quadrilaterals on chart paper, highlighting sides, angles, and diagonals.</p>	<ul style="list-style-type: none"> • Use physical models and charts for visual learners. • Peer discussion to reinforce classification. • Stepwise guidance for learners who struggle with geometric concepts. 	<p>Quadrilateral Classification Project: Students collect quadrilaterals from their environment (windows, tiles, paper cutouts) and classify them by properties.</p>	<ul style="list-style-type: none"> • Identify and classify quadrilaterals accurately. • Explore properties through hands-on activities. • Apply properties in problem-solving scenarios. 	<p>Students will be able to:</p> <ul style="list-style-type: none"> • Identify and classify different quadrilaterals. • Understand and explain the unique properties of each quadrilateral. • Apply quadrilateral properties in geometric problem-solving.
		<p>7. Practical Geometry</p> <ul style="list-style-type: none"> • Use construction tools to create accurate quadrilaterals • Explore sacred geometry from ancient India 	<ul style="list-style-type: none"> • Learn to use compass, ruler, and protractor for precise constructions. • Construct different types of quadrilaterals accurately. • Explore patterns and principles of sacred geometry. 	<p>Geometric Art Integration: Students create artistic geometric designs inspired by ancient Indian patterns using quadrilaterals.</p>	<ul style="list-style-type: none"> • Demonstrate tool usage step-by-step for slow learners. • Encourage peer learning for hands-on practice. • Provide advanced design challenges for proficient learners 	<p>Quadrilateral Construction Project: Students construct quadrilaterals using compasses and rulers and decorate them with sacred geometry patterns.</p>	<ul style="list-style-type: none"> • Apply measurement skills to construct shapes accurately. • Explore geometric patterns in practical scenarios. • Hands-on collaborative learning. 	<p>Students will be able to:</p> <ul style="list-style-type: none"> • Use geometric tools to construct quadrilaterals accurately. • Identify and replicate geometric patterns from ancient designs. • Apply geometry in practical and artistic contexts.

Aug	24	<p>8. Comparing Quantities</p> <ul style="list-style-type: none"> • Use ratios and percentages to solve real-world problems • Understand Proportional Relationships 	<ul style="list-style-type: none"> • Apply ratios and percentages in everyday contexts. • Understand and analyze proportional relationships. • Solve practical problems involving comparison of quantities. 	<p>Ratio & Percentage Visuals:</p> <p>Students create charts or infographics to represent ratios, percentages, and proportional relationships.</p>	<ul style="list-style-type: none"> • Use visual aids and manipulatives for understanding proportions. • Step-by-step examples for slow learners. • Encourage peer discussions and collaborative problem-solving. 	<p>Real-Life Comparison Project: Students collect data from shopping bills, sports stats, or recipes and represent ratios, percentages, and proportions.</p>	<ul style="list-style-type: none"> • Solve real-world problems using ratios and percentages. • Analyze proportional relationships through practical examples. • Promote critical thinking in collaborative exercises. 	<p>Students will be able to:</p> <ul style="list-style-type: none"> • Apply ratios and percentages to solve practical problems. • Understand and interpret proportional relationships. • Use mathematical reasoning to compare quantities effectively.
		<p>9. Maths in the Marketplace</p> <ul style="list-style-type: none"> • Apply mathematical concepts to understand discounts • Profit and loss • GST • Interest 	<ul style="list-style-type: none"> • Apply mathematics to everyday financial situations. • Calculate discounts, profit, loss, and GST. • Understand simple and compound interest. 	<p>Financial Literacy Posters:</p> <p>Students create visual charts showing calculations for discounts, profit/loss, GST, and interest.</p>	<ul style="list-style-type: none"> • Provide step-by-step examples for slow learners. • Encourage group discussions on real-life financial scenarios. • Offer advanced calculation problems for proficient learners. 	<p>Marketplace Simulation Project: Students simulate shopping, selling, or banking transactions to calculate discounts, profits, GST, and interest.</p>	<ul style="list-style-type: none"> • Solve real-world financial problems using mathematical concepts. • Apply critical thinking to analyze market situations. • Collaborative exercises to reinforce calculations. 	<p>Students will be able to:</p> <ul style="list-style-type: none"> • Calculate discounts, profit/loss, and GST accurately. • Understand and compute simple and compound interest. • Apply mathematical reasoning to real-life marketplace scenarios.
Sep	23	<p>Revision for mid-term examination</p> <p>Question paper discussion</p>						
Oct	22	<p>10. A journey through Number systems</p> <ul style="list-style-type: none"> • Explore the historical 	<ul style="list-style-type: none"> • Understand the evolution of numbers from ancient to 	<p>Timeline Art Activity:</p> <p>Students create a colourful</p>	<ul style="list-style-type: none"> • Use visual timelines and charts for learners with 	<p>Number System Exploration Project: Students research a</p>	<ul style="list-style-type: none"> • Research and present historical numeral 	<p>Students will be able to:</p> <ul style="list-style-type: none"> • Trace the evolution of

		<p>development of numbers from ancient civilisations to modern place value systems</p> <p>11. Playing with Numbers</p> <ul style="list-style-type: none"> • Discover divisibility rules • Number patterns <p>Solve cryptarithm puzzles</p>	<p>modern times.</p> <ul style="list-style-type: none"> • Recognize the contribution of different civilizations to number systems. • Appreciate the development of the place value system. <ul style="list-style-type: none"> • Learn and apply divisibility rules to numbers. • Identify and analyze number patterns. • Solve logic-based cryptarithm puzzles to enhance problem-solving skills. 	<p>timeline illustrating the history of number systems and symbols.</p> <p>Number Pattern Art: Students create visual patterns using colored numbers to illustrate divisibility rules and sequences</p>	<p>difficulty reading text.</p> <ul style="list-style-type: none"> • Pair students for collaborative research. • Provide additional reading resources for advanced learners. <ul style="list-style-type: none"> • Provide step-by-step examples of divisibility and patterns. • Pair students for collaborative puzzle-solving. • Offer extra challenges for advanced learners. 	<p>particular civilization (like Egyptians, Babylonians, Indians) and present their numeral system and methods of calculation.</p> <p>Cryptarithm Puzzle Project: Students design and solve their own number puzzles using divisibility rules and patterns.</p>	<p>systems.</p> <ul style="list-style-type: none"> • Compare ancient and modern number systems. • Develop critical thinking through historical exploration. <ul style="list-style-type: none"> • Apply divisibility rules in practical problem-solving. • Recognize patterns to solve puzzles efficiently. • Develop critical thinking and logical reasoning. 	<p>number systems across civilizations.</p> <ul style="list-style-type: none"> • Understand the development of the modern place value system. • Connect historical knowledge to mathematical concepts used today. <p>Students will be able to:</p> <ul style="list-style-type: none"> • Apply divisibility rules to identify number properties. • Recognize and extend number patterns. • Solve cryptarithms and other number-based puzzles independently.
Nov	16	<p>12. The Metric of Change</p> <ul style="list-style-type: none"> • The Logic of Percentages and Relative Change • Marketplace Arithmetic • The power of Compounding 	<ul style="list-style-type: none"> • Understand percentages and relative change in practical contexts. • Apply arithmetic to solve marketplace problems like 	<p>Visual Percent Art: Students create charts or infographics showing percentage changes, profits, losses, and</p>	<ul style="list-style-type: none"> • Provide stepwise explanations and examples for slow learners. • Encourage collaborative exercises and peer learning. • Offer advanced 	<p>Compounding Project: Students calculate interest or growth in savings, investments, or population scenarios using compounding formulas.</p>	<ul style="list-style-type: none"> • Solve real-life problems involving percentages and marketplace calculations. • Apply logic of relative change to practical scenarios. 	<p>Students will be able to:</p> <ul style="list-style-type: none"> • Calculate percentages and relative change accurately. • Apply arithmetic skills to marketplace problems.

		<p>13. The Right-Angle Revolution</p> <ul style="list-style-type: none"> • The Geometry of Squares • The Pythagoras Theorem • Geometry in Action 	<p>discounts, profits, and losses.</p> <ul style="list-style-type: none"> • Learn the concept of compounding and its effect over time. • Understand geometric properties of squares and right-angled triangles. • Learn and apply the Pythagoras Theorem. • Explore real-life applications of right-angle geometry. 	<p>compounding effects.</p> <p>Geometric Art Activity: Students create visual models of squares and right-angled triangles to illustrate Pythagoras Theorem.</p>	<p>problems for proficient learners.</p> <ul style="list-style-type: none"> • Use step-by-step visual explanations for slow learners. • Encourage collaborative practice with rulers, compasses, and grids. • Provide challenge problems for advanced learners. 	<p>Practical Construction Project: Students measure and construct right-angled triangles and squares, applying the Pythagoras Theorem in real-life contexts.</p>	<ul style="list-style-type: none"> • Develop critical thinking through compounding exercises. • Apply the Pythagoras Theorem to solve practical problems. • Explore geometric relationships in daily life. • Engage in hands-on learning and group activities. 	<ul style="list-style-type: none"> • Understand and use compounding in real-life contexts. <p>Students will be able to:</p> <ul style="list-style-type: none"> • Understand the geometry of squares and right-angled triangles. • Apply the Pythagoras Theorem in calculations. • Recognize and apply right-angle geometry in real-life scenarios.
Dec	24	<p>14. Ratios in Action – Proportional Reasoning</p> <ul style="list-style-type: none"> • The Constant of Proportionality • The Inverse Relationship • Complex Proportionality 	<ul style="list-style-type: none"> • Understand the concept of constant of proportionality in ratios. • Explore inverse relationships in proportional reasoning. • Solve problems involving complex 	<p>Ratio Visualization Art: Create bar models, pie charts, or diagrams to represent proportional relationships visually.</p>	<ul style="list-style-type: none"> • Stepwise guided examples for slow learners. • Encourage group problem-solving. • Provide challenging scenarios for advanced learners. 	<p>Proportionality Project: Students collect real-life data (like speed-time, recipe ingredients, or map scales) and analyze proportional relationships.</p>	<ul style="list-style-type: none"> • Apply ratios to solve practical problems. • Analyze inverse and complex proportionality. • Collaborate in groups to explore proportional relationships. 	<p>Students will be able to:</p> <ul style="list-style-type: none"> • Identify and use the constant of proportionality. • Solve problems involving inverse relationships. • Apply complex proportional reasoning in real-life scenarios.

		<p>proportionality in real-life contexts.</p> <p>15. Basic Geometric Themes</p> <ul style="list-style-type: none"> • The Art of Infinity • Visualising and Unfolding Solids • Representing the Solids (Projections) <p>16. Beyond the Average</p> <ul style="list-style-type: none"> • Understanding Data Through Averages • Visualising Data Using Graphs • Coordinates and Data representation 	<p>• Understand the concept of infinity in geometry and visual arts.</p> <p>• Visualize 3D solids and their unfolded forms.</p> <p>• Represent solids using projections and drawings.</p> <p>• Understand the concept of averages (mean, median, mode).</p> <p>• Learn to represent and interpret data using graphs.</p> <p>• Understand coordinates and represent data on coordinate planes.</p>	<p>Geometric Art Integration: Students create 3D models, unfold solids, and explore infinite patterns in art.</p> <p>Data Art Activity: Students create colourful bar graphs, pictographs, and coordinate designs to represent collected data visually.</p>	<p>• Use hands-on models for visual learners.</p> <p>• Provide step-by-step instructions for constructing solids.</p> <p>• Encourage collaborative learning and peer guidance.</p> <p>• Use real-life examples and visual charts for better understanding.</p> <p>• Provide guided practice for plotting points on graphs.</p> <p>• Encourage peer support and group discussions.</p>	<p>Solid Construction Project: Students build models of cubes, cuboids, pyramids, and visualize their unfolded nets.</p> <p>Data Collection Project: Students collect data from their class (height, favourite sport, study hours) and represent it using averages and graphs.</p>	<p>• Apply spatial reasoning to represent solids.</p> <p>• Explore geometric infinity through art and patterns.</p> <p>• Practice drawing projections and nets.</p> <p>• Analyze and interpret data using averages.</p> <p>• Plot and read graphs and coordinate points.</p> <p>• Engage in collaborative data analysis activities.</p>	<p>Students will be able to:</p> <ul style="list-style-type: none"> • Visualize and represent 3D solids accurately. • Understand and explore geometric infinity. • Apply geometric concepts to art and projection representations. <p>Students will be able to:</p> <ul style="list-style-type: none"> • Calculate and interpret averages. • Represent and analyze data through graphs. • Plot and understand coordinates for data representation.
Jan	14	<p>17. Algebra Play</p> <ul style="list-style-type: none"> • The Magic of Numbers • The Puzzle of Letters • Mathematical Reasoning 	<p>• Understand how numbers and letters are used together in algebra.</p> <p>• Develop logical thinking</p>	<p>Algebra Puzzle Art: Students design creative number–letter puzzles or colourful</p>	<p>• Use simple examples to explain variables and algebraic thinking.</p> <p>• Encourage peer discussion and</p>	<p>Algebra Puzzle Project: Students create their own number–letter puzzles or riddles and exchange them with</p>	<p>• Solve logical puzzles using algebraic reasoning.</p> <p>• Explore relationships between</p>	<p>Students will be able to:</p> <ul style="list-style-type: none"> • Understand the role of variables in algebra. • Apply reasoning to solve algebraic

		<p>18. The World Within Boundaries</p> <ul style="list-style-type: none"> • Foundational Concept of Area • Area of Plane Figures • Transformations, Applications and Connections 	<p>through algebraic puzzles and reasoning.</p> <ul style="list-style-type: none"> • Apply algebraic concepts to solve simple problems. • Understand the basic concept of area and measurement of surfaces. • Learn to calculate the area of different plane figures. • Explore transformations and real-life applications related to area. 	<p>algebra mind maps to represent relationships between numbers and variables.</p> <p>Area Design Activity: Students create geometric patterns using squares, rectangles, and triangles to visually understand area.</p>	<p>collaborative puzzle solving.</p> <ul style="list-style-type: none"> • Provide additional practice for slow learners and enrichment tasks for advanced learners. • Use grid paper and visual demonstrations for better understanding. • Provide guided practice for calculating area. • Encourage peer learning and step-by-step explanations. 	<p>classmates to solve.</p> <p>Area Exploration Project: Students measure and calculate the area of classroom objects like books, desks, or floor tiles.</p>	<p>numbers and variables.</p> <ul style="list-style-type: none"> • Develop critical thinking through collaborative problem solving. • Solve practical problems involving the area of plane figures. • Explore transformations and connections between shapes. • Develop spatial reasoning through hands-on activities. 	<p>puzzles.</p> <ul style="list-style-type: none"> • Use algebraic thinking to interpret and solve mathematical problems. <p>Students will be able to:</p> <ul style="list-style-type: none"> • Understand the concept of area clearly. • Calculate the area of various plane figures accurately. • Apply area concepts to solve real-life mathematical problems.
Feb	22	<p>Revision for final examination Question paper discussion</p>						
Mar								

SUBJECT : PHYSICS (SCIENCE)

Textbook: 1. ADVENTURE WITH SCIENCE 8

2. NCERT SCIENCE 8

Month	WD	Chapter/Sub-Topics	Learning Objectives	Art Integration	Inclusive Teaching	Project / Practical	Competency Based Activity Learning	Learning Outcomes
April	23	<p>CH – MAGNETIC AND HEATING EFFECTS OF ELECTRICITY</p> <ul style="list-style-type: none"> • Introduction • Magnetic Effect of Current • Electromagnets • Factors affecting the strength of an electromagnets • Uses of electromagnets • Heating Effects of Current • Appliances based on heating effect • Heating Elements 	<ul style="list-style-type: none"> • Understand magnetic effect of electric current. • Learn working and uses of electromagnets. • Understand heating effect of electric current and its applications. 	Students draw labelled diagrams of electromagnet and electric appliances and make posters on uses of electricity.	Demonstration with battery, coil and nail; visual charts and group discussion for different learners.	Make a simple electromagnet using coil, iron nail and battery.	Investigation activity to test how number of coils affects strength of electromagnet.	Students explain magnetic and heating effects of current and identify their applications in daily life.
May	07	<p>CH – MAGNETIC AND HEATING EFFECTS OF ELECTRICITY(Contd .)</p> <ul style="list-style-type: none"> • Safety Devices • Electric cell or Battery • Voltaic Cell • Dry Cell • Rechargeable Battery 	<ul style="list-style-type: none"> • Understand electrical safety devices like fuse. • Identify different types of cells and batteries. 	Chart preparation showing types of cells and batteries used in daily life.	Real objects like batteries and fuse wires shown to students for better understanding.	Demonstration of fuse wire working in a simple circuit.	Classification activity: identify and compare dry cells and rechargeable batteries.	Students understand working of safety devices and different types of batteries.
June	16	<p>CH – FORCES AND MEASUREMENT OF WEIGHT</p> <ul style="list-style-type: none"> • Push or Pull • State of Rest and Motion 	<ul style="list-style-type: none"> • Understand concept of force and its effects. • Differentiate between contact and non-contact forces. 	Students prepare illustrations of forces in daily activities such as pushing carts,	Activity-based learning using real-life examples and group experiments.	Demonstrate effects of force using toy cars or objects.	Students observe and classify examples of forces around them.	Students define force, identify types of forces and explain their effects.

		<ul style="list-style-type: none"> • Force and its effects • Magnitude and direction of force • Interaction between forces • Contact and non-contact forces 		kicking balls.				
July	26	CH – FORCES AND MEASUREMENT OF WEIGHT (Contd.) <ul style="list-style-type: none"> • Friction • Fluid friction • Electrostatic force • Gravitational force • Weight and its measurement • Spring Balance • Float or Sink • Archimedes Principle 	<ul style="list-style-type: none"> • Understand friction and its advantages and disadvantages. • Learn measurement of weight using spring balance. • Understand buoyancy and Archimedes’ principle. 	Draw diagrams showing floating and sinking objects or friction examples.	Hands-on experiments with spring balance and water to support experiential learning.	Activity using spring balance to measure weight of objects.	Experiment to check which objects float or sink in water.	Students explain friction, weight measurement and Archimedes’ principle with examples.
Aug	24	CH – MOON, LUNAR AND SOLAR CALENDAR <ul style="list-style-type: none"> • Moon • Changes in Moon’s Appearance • Phases of Moon • Sighting of Moon on successive days • Concept of time measurement and calendars • Artificial Satellites 	<ul style="list-style-type: none"> • Understand phases of moon and lunar cycle. • Learn concept of time measurement through calendars. 	Students create moon phase charts or lunar cycle models.	Use videos, charts and models to explain astronomical concepts.	Observation project: record moon phases for 15 days.	Model making of Earth-Moon system.	Students explain moon phases and understand lunar and solar calendars.
Sep	23	TERM – I EXAM <ul style="list-style-type: none"> • Revision • Question paper discussion • Marking scheme 	<ul style="list-style-type: none"> • Reinforce concepts from the syllabus. 	Mind maps and concept charts for revision.	Practice worksheets and doubt-clearing sessions.	Sample paper solving.	Quiz and group revision activities.	Students consolidate learning and prepare for examinations.

Oct	22	<p>CH – PRESSURE – LIQUID AND AIR PRESSURE</p> <ul style="list-style-type: none"> • Pressure • Application of pressure • Liquids exert pressure • Pressure exerted by Gases • Atmospheric Pressure • Formation of Wind • High speed winds result lowering of air pressure 	<ul style="list-style-type: none"> • Understand concept of pressure. • Learn about liquid and atmospheric pressure. 	Poster making showing applications of pressure in daily life.	Demonstration experiments with water bottles and balloons.	Experiment showing liquid pressure increases with depth.	Observation activity showing air pressure using simple experiments.	Students explain pressure and its applications in liquids and gases.
Nov	16	<p>CH – PRESSURE – LIQUID AND AIR PRESSURE (Contd.)</p> <ul style="list-style-type: none"> • Storms, Thunderstorms and Lightning • Cyclones • Safety Measures • Advance technology of forecasting 	<ul style="list-style-type: none"> • Understand natural phenomena like storms and cyclones. • Learn safety precautions during disasters. 	Students prepare disaster awareness posters.	Discussion and videos explaining natural disasters.	Project on cyclone safety measures.	Case study discussion on famous cyclones and safety planning.	Students understand causes of storms and safety measures during natural disasters.
Dec	24	<p>CH – LIGHT : MIRRORS AND LENSES</p> <ul style="list-style-type: none"> • Introduction • Spherical mirrors • Images formed by Concave mirrors • Images formed by Convex mirrors • Applications of different mirrors • Laws of Reflections • Lenses 	<ul style="list-style-type: none"> • Understand reflection of light and spherical mirrors. • Identify applications of mirrors in daily life. 	Draw ray diagrams and make mirror application charts.	Mirror demonstrations for visual learners.	Activity observing image formation in concave and convex mirrors.	Ray diagram drawing and interpretation activities.	Students explain reflection laws and image formation by mirrors.

Jan	14	CH – LIGHT : MIRRORS AND LENSES (Contd.) <ul style="list-style-type: none"> • Images formed by Concave lens • Images formed by Convex lens • Converging and Diverging lenses 	<ul style="list-style-type: none"> • Understand lens properties and image formation. • Identify uses of lenses in optical instruments. 	Students create models of lenses using diagrams and charts.	Demonstration using magnifying glass for concept clarity.	Experiment with convex lens to focus sunlight.	Ray diagram practice and observation activities.	Students explain working of lenses and differentiate converging and diverging lenses.
Feb	22	REVISION	<ul style="list-style-type: none"> • Review all concepts from given portion. 	Concept maps and summary charts.	Peer learning and group revision.	Practice worksheets and mock tests.	Problem-solving and quiz activities.	Students strengthen conceptual understanding of the syllabus.
Mar	20	TERM – II EXAM <ul style="list-style-type: none"> • Question paper discussion • Marking scheme 	<ul style="list-style-type: none"> • Evaluate student learning and performance. 	Reflective charts of learning progress.	Individual feedback sessions.	Answer script discussion.	Error analysis and improvement activities.	Students assess their understanding and improve learning strategies.

SUBJECT: CHEMISTRY

Textbook: 1. ADVENTURE WITH SCIENCE

Month	WD	Chapter/Sub-Topics	Learning Objectives	Art Integration	Inclusive Teaching	Project / Practical	Competency Based Activity Learning	Learning Outcomes
April	23	<p>Ch:- Matter: Its Composition and States Topics:</p> <ul style="list-style-type: none"> *Matter *Composition of matter * Different states of matter * Properties of solid state of matter * Properties of liquid state of matter * Properties of gaseous state of matter 	<p>1.Acquisition of knowledge: To enable them to know about</p> <ul style="list-style-type: none"> *Matter *Composition of matter * Different states of matter * Properties of solid state of matter * Properties of liquid state of matter * Properties of gaseous state of matter <p>2.Development of understanding: To enable them to understand</p> <ul style="list-style-type: none"> *Matter *Composition of matter * Different states of matter * Properties of solid state of matter * Properties of liquid state of matter * Properties of gaseous state of matter <p>3.Development of skills:- *To enable them to develop thinking skill, experiential skill and learning skill.</p>	To make a clay model on arrangement of particles in solid, liquid and gas.	<p>Force (Integrated with physics)</p> <ul style="list-style-type: none"> * Safe alternatives * Structured practical work * Real life examples * Hand-on exploration * Multi-sensory activities * Structured group work * Visual aids 	<ul style="list-style-type: none"> * To study interparticles spaces by dissolving sugar in water. * To show that liquids have no fixed shape but a definite volume. 	<ul style="list-style-type: none"> *Conceptual learning *Thought provoking *Critical thinking *Logical reasoning *Analyzing, *Comprehending *High order thinking *Assertion and Reasoning *Picture based *Source based learning *Story telling pedagogy *Oral drilling *Quizzing *Creating and engaging *Mind mapping *Brainstorming *etc..... 	<p>Students will be able to explain</p> <ul style="list-style-type: none"> *Matter *Composition of matter * Different states of matter * Properties of solid state of matter * Properties of liquid state of matter * Properties of gaseous state of matter
May	07	<p>Ch:- Matter: Its Composition and States Topics:</p> <ul style="list-style-type: none"> *Differences in the interparticle space in the three states of matter. * Movement of particles in different state of matter 	<p>1.Acquisition of knowledge: To enable them to know about</p> <ul style="list-style-type: none"> *Differences in the interparticle space in the three states of matter. * Movement of particles in different state of matter <p>2.Development of understanding:</p>	To make a PPT on states of matter.	<p>Pressure (Integrated with physics)</p> <ul style="list-style-type: none"> * Safe alternatives * Structured practical work * Real life examples * Hand-on exploration 	<ul style="list-style-type: none"> *To show that gases can be compressed easily whereas solids cannot be compressed and liquids can be compressed a little. * To study movement of particles of potassium 	<ul style="list-style-type: none"> *Conceptual learning *Thought provoking *Critical thinking *Logical reasoning *Analyzing, *Comprehending *High order thinking *Assertion and Reasoning *Picture based 	<p>Students will be able to explain</p> <ul style="list-style-type: none"> *Differences in the interparticle space in the three states of matter. * Movement of particles in different state of

			<p>To enable them to understand</p> <ul style="list-style-type: none"> *Differences in the interparticle space in the three states of matter. * Movement of particles in different state of matter <p>3.Development of skills:-</p> <ul style="list-style-type: none"> *To enable them to develop thinking skill, experiential skill and learning skill. 		<ul style="list-style-type: none"> * Multi-sensory activities * Structured group work * Visual aids 	permanganate in water.	<ul style="list-style-type: none"> *Source based learning *Story telling pedagogy *Oral drilling *Quizzing *Creating and engaging *Mind mapping *Brainstorming *etc..... 	matter
June	16	<p>Ch:- Matter: Its Composition and States Topics:</p> <ul style="list-style-type: none"> * Role of particulate nature of matter in our everyday life. * Comparison of three states of matter * Physical state of the matter is determined by its thermal energy. * Comparison of atom, molecule and ions 	<p>1.Acquisition of knowledge:</p> <p>To enable them to know about</p> <ul style="list-style-type: none"> * Role of particulate nature of matter in our everyday life. * Comparison of three states of matter * Physical state of the matter is determined by its thermal energy. * Comparison of atom, molecule and ions <p>2.Development of understanding:</p> <p>To enable them to understand</p> <ul style="list-style-type: none"> * Role of particulate nature of matter in our everyday life. * Comparison of three states of matter * Physical state of the matter is determined by its thermal energy. * Comparison of atom, molecule and ions <p>3.Development of skills:-</p> <ul style="list-style-type: none"> *To enable them to develop thinking skill, experiential skill and learning skill. 	To make a model on atoms and molecules.	<ul style="list-style-type: none"> * Energy (Integrated with physics) * Velocity (Integrated with physics) * Safe alternatives * Structured practical work * Real life examples * Hand-on exploration * Multi-sensory activities * Structured group work * Visual aids 	<ul style="list-style-type: none"> * To study the solubility of potassium permanganate in ice cold water , hot water, and water at room temperature. * To show that solids have a definite volume. 	<ul style="list-style-type: none"> *Conceptual learning *Thought provoking *Critical thinking *Logical reasoning *Analyzing, *Comprehending *High order thinking *Assertion and Reasoning *Picture based *Source based learning *Story telling pedagogy *Oral drilling *Quizzing *Creating and engaging *Mind mapping *Brainstorming *etc..... 	<p>Students will be able to explain</p> <ul style="list-style-type: none"> * Role of particulate nature of matter in our everyday life. * Comparison of three states of matter * Physical state of the matter is determined by its thermal energy. * Comparison of atom, molecule and ions

July	26	<p>Ch:- Elements, Compounds and Mixtures Topics: *Classification of matter on the basis of chemical properties. * Mixtures * Properties of mixtures *Types of mixtures * Homogeneous mixtures * Heterogeneous mixtures * Need for the separation of components of Mixtures * Pure substances * Properties of pure substances * Types of pure substances</p>	<p>1.Acquisition of knowledge: To enable them to know about *Classification of matter on the basis of chemical properties. * Mixtures * Properties of mixtures *Types of mixtures * Homogeneous mixtures * Heterogeneous mixtures * Need for the separation of components of Mixtures * Pure substances * Properties of pure substances * Types of pure substances 2.Development of understanding: To enable them to understand *Classification of matter on the basis of chemical properties. * Mixtures * Properties of mixtures *Types of mixtures * Homogeneous mixtures * Heterogeneous mixtures * Need for the separation of components of Mixtures * Pure substances * Properties of pure substances * Types of pure substances 3.Development of skills:- *To enable them to develop thinking skill, experiential skill and learning skill.</p>	<p>To make 3D modes of compounds using clay or coloured balls.</p> <p>Poster making on comparison of elements , compounds and mixtures.</p>	<p>* Respiration (Integrated with biology)</p> <p>* Conductor (Integrated with physics)</p> <p>* Safe alternatives * Structured practical work * Real life examples * Hand-on exploration * Multi-sensory activities * Structured group work * Visual aids</p>	<p>* To confirm the presence of carbon dioxide in the air. * To show that dust particles are suspended in air. * To demonstrate that water is composed of two different constituents- hydrogen and oxygen</p>	<p>*Conceptual learning *Thought provoking *Critical thinking *Logical reasoning *Analyzing, *Comprehending *High order thinking *Assertion and Reasoning *Picture based *Source based learning *Story telling pedagogy *Oral drilling *Quizzing *Creating and engaging *Mind mapping *Brainstorming *etc.....</p>	<p>Students will be able to explain *Classification of matter on the basis of chemical properties. * Mixtures * Properties of mixtures *Types of mixtures * Homogeneous mixtures * Heterogeneous mixtures * Need for the separation of components of Mixtures * Pure substances * Properties of pure substances * Types of pure substances</p> <p>Students will be differentiate homogeneous and heterogeneous mixtures.</p> <p>Students will be able to separate the components of mixtures.</p>
Aug	24	<p>Ch:- Elements, Compounds and Mixtures Topics: * Elements</p>	<p>1.Acquisition of knowledge: To enable them to know about * Elements * Properties of elements</p>	<p>Poster making on homogeneous and heterogeneous mixture.</p>	<p>* Magnet (Integrated with physics)</p>	<p>* To demonstrate that sugar is a compound that is made up of three elements-carbon,</p>	<p>*Conceptual learning *Thought provoking *Critical thinking *Logical reasoning</p>	<p>Students will be able to explain * Elements * Properties of</p>

		<ul style="list-style-type: none"> * Properties of elements * Classification of elements * Compounds * Properties of compounds * Differences between elements and compounds * Differences between compounds and mixtures * Uses of elements, compounds and mixtures * Minerals * Types of minerals * Native minerals 	<ul style="list-style-type: none"> * Classification of elements * Compounds * Properties of compounds * Differences between elements and compounds * Differences between compounds and mixtures * Uses of elements, compounds and mixtures * Minerals * Types of minerals * Native minerals <p>2.Development of understanding: To enable them to understand</p> <ul style="list-style-type: none"> * Elements * Properties of elements * Classification of elements * Compounds * Properties of compounds * Differences between elements and compounds * Differences between compounds and mixtures * Uses of elements, compounds and mixtures * Minerals * Types of minerals * Native minerals <p>3.Development of skills:- *To enable them to develop thinking skill, experiential skill and learning skill.</p>	To make a PPT on separation of components of mixture	<ul style="list-style-type: none"> * Safe alternatives * Structured practical work * Real life examples * Hand-on exploration * Multi-sensory activities * Structured group work * Visual aids 	hydrogen and oxygen. * To demonstrate the presence of elements, mixtures and compounds and their properties.	<ul style="list-style-type: none"> *Analyzing, *Comprehending *High order thinking *Assertion and Reasoning *Picture based *Source based learning *Story telling pedagogy *Oral drilling *Quizzing *Creating and engaging *Mind mapping *Brainstorming *etc..... 	<ul style="list-style-type: none"> elements * Classification of elements * Compounds * Properties of compounds * Differences between elements and compounds * Differences between compounds and mixtures * Uses of elements, compounds and mixtures * Minerals * Types of minerals * Native minerals
Sep	23	Revision + Term-I Examination						
Oct	22	<p>Ch:- Solutions Topics:-</p> <ul style="list-style-type: none"> *Solute, solvent and solution * Types of solution * Dilute and concentrated solution * Solubility 	<p>1.Acquisition of knowledge: To enable them to know about</p> <ul style="list-style-type: none"> *Solute, solvent and solution * Types of solution * Dilute and concentrated solution * Solubility 	Poster making on types of solutions To make a 3D model on solute and solvent.	<ul style="list-style-type: none"> * Numerical problems based on concentration, density(Integrated with maths) * Safe alternatives 	<ul style="list-style-type: none"> * To study saturated and unsaturated solutions. * To convert saturated solutions to diluted solutions. 	<ul style="list-style-type: none"> *Conceptual learning *Thought provoking *Critical thinking *Logical reasoning *Analyzing, *Comprehending *High order thinking *Assertion and 	<ul style="list-style-type: none"> Students will be able to explain *Solute, solvent and solution * Types of solution

		<ul style="list-style-type: none"> * Effect of temperature and pressure on solubility 	<ul style="list-style-type: none"> * Effect of temperature and pressure on solubility 2.Development of understanding: To enable them to understand *Solute, solvent and solution * Types of solution * Dilute and concentrated solution * Solubility * Effect of temperature and pressure on solubility 3.Development of skills:- *To enable them to develop thinking skill, experiential skill and learning skill. 		<ul style="list-style-type: none"> * Structured practical work * Real life examples * Hand-on exploration * Multi-sensory activities * Structured group work * Visual aids 		<ul style="list-style-type: none"> Reasoning *Picture based *Source based learning *Story telling pedagogy *Oral drilling *Quizzing *Creating and engaging *Mind mapping *Brainstorming *etc..... 	<ul style="list-style-type: none"> * Dilute and concentrated solution * Solubility * Effect of temperature and pressure on solubility
Nov	16	<p>Ch:- Solutions Topics:-</p> <ul style="list-style-type: none"> * Solubility of gases * Effect of temperature on the solubility of gases * Why do objects float or sink in water * Density * Unit of density 	<p>1.Acquisition of knowledge: To enable them to know about</p> <ul style="list-style-type: none"> * Solubility of gases * Effect of temperature on the solubility of gases * Why do objects float or sink in water * Density * Unit of density <p>2.Development of understanding: To enable them to understand</p> <ul style="list-style-type: none"> * Solubility of gases * Effect of temperature on the solubility of gases * Why do objects float or sink in water * Density * Unit of density <p>3.Development of skills:-</p> <p>*To enable them to develop thinking skill, experiential skill and learning skill.</p>	Poster making on importance of solutions in our daily life	<ul style="list-style-type: none"> * Gravitational force (Integrated with physics) * Safe alternatives * Structured practical work * Real life examples * Hand-on exploration * Multi-sensory activities * Structured group work * Visual aids 	<ul style="list-style-type: none"> * To demonstrate that temperature affects the solubility of a solute. * To measure the mass of a solid object. 	<ul style="list-style-type: none"> *Conceptual learning *Thought provoking *Critical thinking *Logical reasoning *Analyzing, *Comprehending *High order thinking *Assertion and Reasoning *Picture based *Source based learning *Story telling pedagogy *Oral drilling *Quizzing *Creating and engaging *Mind mapping *Brainstorming *etc..... 	<p>Students will be able to explain</p> <ul style="list-style-type: none"> * Solubility of gases * Effect of temperature on the solubility of gases * Why do objects float or sink in water * Density * Unit of density

Dec	24	<p>Ch:- Solutions Topics:- * Measurement of mass * Mass and weight * Measurement of volume * Effect of temperature and pressure on density * Effect of temperature and pressure on different layers of earth</p>	<p>1.Acquisition of knowledge: To enable them to know about * Measurement of mass * Mass and weight * Measurement of volume * Effect of temperature and pressure on density * Effect of temperature and pressure on different layers of earth</p> <p>2.Development of understanding: To enable them to understand * Measurement of mass * Mass and weight * Measurement of volume * Effect of temperature and pressure on density * Effect of temperature and pressure on different layers of earth</p> <p>3.Development of skills:- *To enable them to develop thinking skill, experiential skill and learning skill.</p>	<p>To make a colour wheel on types of solutions.</p> <p>To make a mind map of solution on a chart paper .</p>	<p>* Layers of earth (Integrated with s.st)</p> <p>* Safe alternatives * Structured practical work * Real life examples * Hand-on exploration * Multi-sensory activities * Structured group work * Visual aids</p>	<p>* To measure the volume of a liquid. * To measure the volume of a solid substance.</p>	<p>*Conceptual learning *Thought provoking *Critical thinking *Logical reasoning *Analyzing, *Comprehending *High order thinking *Assertion and Reasoning *Picture based *Source based learning *Story telling pedagogy *Oral drilling *Quizzing *Creating and engaging *Mind mapping *Brainstorming *etc.....</p>	<p>Students will be able to explain * Measurement of mass * Mass and weight * Measurement of volume * Effect of temperature and pressure on density * Effect of temperature and pressure on different layers of earth</p>
Jan	14	Revision + LOAS + Revision Test						
Feb	22	Revision + Term-II Examination						

SUBJECT: Biology

Textbook: Adventure with science class 8

Month	WD	Chapter/Sub-Topics	Learning Objectives	Art Integration	Inclusive Teaching	Project / Practical	Competency Based Activity Learning	Learning Outcomes
April	23	Ch-2 :The living world of microorganisms (a)Cell (b)Cell is considered to be basic unit of life (c)Levels of organisation (d) Microorganisms	To enable students to #Explain how microscopes opened the invisible world of living organisms. # Describe the structure of plant and animal cells with the help of observations. # Differentiate between plant and animal cells based on organelles and functions. # Classify microorganisms into bacteria ,protozoa ,fungi,algae and viruses. # Conduct simple experiments to observe microbes in soil,water and food.	Draw and label plant cell and animal cell diagrams. Make 3D models of cells using clay, paper, or recycled materials.	Mathematics Students can count the number of cells seen under a microscope in a given area. Measure the size of cells or microorganisms using scale or estimation. Create bar graphs showing types of microorganisms (bacteria, fungi, algae, protozoa). Language (English) Write short paragraphs or stories about a “journey inside a cell.” Learn and explain new scientific vocabulary (cell membrane, nucleus, bacteria). Conduct group discussions or presentations on microorganisms ICT (Technology) Use animations and videos to show cell structure and microorganisms.	(1) Onion Peel Cell Observation (Microscope Practical): To observe plant cells using an onion peel. (2) Temporary Slide of Cheek Cells To observe human cheek cells. (3) Bread Mould Experiment (Microorganisms) To observe the growth of fungus on bread. (4) Yeast Fermentation Experiment To show that microorganisms produce gas during fermentation.	MCQs,HOTS, Assertion and reason, Diagrams ,case based questions	Students will be able to: #Explain how microscopes opened the invisible world of living organisms. # Describe the structure of plant and animal cells with the help of observations. # Differentiate between plant and animal cells based on organelles and functions. # Classify microorganisms into bacteria ,protozoa ,fungi,algae and viruses. # Conduct simple experiments to observe microbes in soil,water and food.

					Use digital microscopes or virtual labs. Create PowerPoint presentations on microorganisms.			
May	07	Ch-2 The living world of microorganisms (e) Microorganisms and man	<p>Students will be able to</p> <p>#Analyze the role of microbes in environment cleaning ,food production and human health.</p> <p># Evaluate the positive and negative impacts of microbes in daily life.</p> <p># Apply knowledge of microbes in sustainable practices (e.g. composting ,biofuels)</p>	Create posters on useful and harmful microorganisms.	<p><u>Social Science</u></p> <p><u>Study</u> the role of microorganisms in agriculture, such as nitrogen fixation.</p> <p>Discuss diseases caused by microorganisms and their impact on society.</p> <p>Learn about scientists who discovered cells and microbes.</p> <p><u>Health Education</u></p> <p><u>Discuss</u> hygiene practices to prevent diseases caused by microorganisms.</p> <p>Explain the importance of handwashing and clean food.</p> <p>Learn about vaccination and immunity.</p> <p><u>Environmental Studies</u></p> <p><u>Study</u> the role of microorganisms in decomposition and recycling nutrients.</p> <p>Observe microorganisms in pond water or soil samples.</p> <p>Discuss the importance</p>	<p>(1)Observation of Microorganisms in Curd To observe microorganisms present in curd.</p> <p>(2)Preparation of Bread Using Yeast To show that yeast produces carbon dioxide during fermentation.</p> <p>(3)Growth of Mold on Bread To observe fungal growth.</p> <p>(4)Effect of Microorganisms on Food (Food Spoilage) To show that microorganisms spoil food.</p> <p>(5)Testing the Effect of Boiling on Microorganisms To show that heat kills microorganisms.</p>	MCQs,HOTS, Assertion and reason, Diagrams ,case based questions	<p>Students will be able to</p> <p>#Analyze the role of microbes in environment cleaning ,food production and human health.</p> <p># Evaluate the positive and negative impacts of microbes in daily life.</p> <p># Apply knowledge of microbes in sustainable practices (e.g. composting ,biofuels)</p>

					of microbes in maintaining ecological balance			
June	16	Ch-1. The world of science - Explore and investigate	<p>The students will be enable to</p> <p># Formulate focused ,testable questions anchored in everyday phenomena such as " why is one side of puri thinner than the other?" And refine broader observations into scientific enquiries.</p> <p># Design controlled investigations Plan and carry out experiments that manipulate just one independent variable at a time while keeping others constant.</p> <p># Use appropriate tools and techniques Such as a magnifier,dropper, stopwatch, thermometer or kitchen scales - with safety and precision to collect observations and data.</p> <p># Represent and analyse data effectively: Create tables , sketches,chart or time - lapse</p>	<p>Role Play / Skit</p> <p>Activity: Students act as scientists (like Newton or a modern scientist) Explain simple discoveries in a fun way</p>	<p>Social Science Role of science in development of civilization Technology and its impact on society Environmental awareness</p> <p>Discussion: “How science improves our lifestyle”</p> <p>English Writing reports of experiments Vocabulary building (scientific terms) Group discussion and presentation</p> <p>Activity: Write a short paragraph on “Science in My Daily Life”</p>	<p>Solubility Experiment with Creative Recording Aim: To test soluble and insoluble substances in water</p> <p>Materials: Water, salt, sugar, sand, oil, transparent glasses</p> <p>To understand how a lever works</p> <p>Materials: Scale, eraser (fulcrum), small objects</p>	<p>MCQs,HOTS, Assertion and reason, Diagrams ,case based questions</p>	<p>The students will be able to</p> <p># Formulate focused ,testable questions anchored in everyday phenomena such as " why is one side of puri thinner than the other?" And refine broader observations into scientific enquiries.</p> <p># Design controlled investigations Plan and carry out experiments that manipulate just one independent variable at a time while keeping others constant.</p> <p># Use appropriate tools and techniques Such as a magnifier,dropper,stopwatch, thermometer or kitchen scales - with safety and precision to collect observations and data.</p> <p># Represent and analyse data effectively: Create tables , sketches,chart or time - lapse drawings; identify patterns in data and compare results across trials.</p> <p># Draw evidence - based conclusions, linking observations to explanations and distinguishing between raw results and scientific inference.</p>

			<p>drawings; identify patterns in data and compare results across trials.</p> <p># Draw evidence - based conclusions, linking observations to explanations and distinguishing between raw results and scientific inference.</p> <p># Reflect and critique scientifically listen actively to peers' explanations,raise constructive questions and identify flaws or limitations in reasoning.</p>					<p># Reflect and critique scientifically listen actively to peers' explanations,raise constructive questions and identify flaws or limitations in reasoning.</p>
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July	26	<p>Ch- 3. Being healthy (a)Being healthy . (b)To stay healthy. (c)Are we not well . (d) Diseases -causes and types. (e)Prevention and control of diseases.</p>	<p>Students will be enable to: # Define health as a state of complete physical,mental and social well-being. # Differentiate between health and disease. # Observe and record signs and Symptoms of common illnesses in the community (without stigma). # Collect and interpret data through surveys and charts related to local health problems. # Develop self awareness about their own health habits and lifestyle. # Cultivate a sense of responsibility towards maintaining hygiene and cleanliness in surroundings. # Demonstrate eco-consciousness, understanding that environmental health impacts human health. # Exhibit gratitude towards healthcare workers and awareness campaigns.</p>	<p>1)Make posters on <u>healthy eating and hygiene</u> 2)Draw the <u>food pyramid</u> 3)Create a “<u>Healthy Habits</u>” collage</p>	<p>Mathematics <u>Health concepts can be connected with numbers and calculations.</u> <u>Calculate daily water intake of students in the class.</u> <u>Create a bar graph showing how many students eat fruits daily.</u> <u>Calculate BMI (Body Mass Index) using height and weight</u> English <u>Write a paragraph or essay on “My Healthy Lifestyle.”</u> <u>Prepare a speech on the importance of exercise and hygiene.</u> Social Science <u>Public health and sanitation</u> <u>Government programs for health</u> <u>Role of community cleanliness</u> Physical Education <u>Demonstration of yoga or stretching exercises</u> <u>Daily 5-minute classroom exercise routine</u></p>	<p>1)Handwashing Experiment The bread touched with dirty hands develops more mold/microorganisms. 2)Exercise and Pulse Rate Activity 3) Junk Food vs Healthy Food Comparison 4) Healthy habits tracker</p>	<p>MCQs,HOTS, Assertion and reason, Diagrams ,case based questions</p>	<p>Students will be able to: # Define health as a state of complete physical,mental and social well-being. # Differentiate between health and disease. # Observe and record signs and Symptoms of common illnesses in the community (without stigma). # Collect and interpret data through surveys and charts related to local health problems. # Develop self awareness about their own health habits and lifestyle. # Cultivate a sense of responsibility towards maintaining hygiene and cleanliness in surroundings. # Demonstrate eco-consciousness, understanding that environmental health impacts human health. # Exhibit gratitude towards healthcare workers and awareness campaigns.</p>
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ICT / Computer

Prepare a PowerPoint presentation on healthy lifestyle

for nutritional values of foods

Aug	24	<p>Ch- 12: Habitat and Ecosystem</p> <p>(a) To experience and Interpret our surroundings.</p> <p>(b) Living together in Nature.</p> <p>(c) Role of different organisms in a community.</p>	<p>The students will be enable to</p> <p># Identify the biotic and abiotic components of different ecosystems.</p> <p># Differentiate between various types of habitats - forest, pond, grassland and man made.</p>	<p><u>Make a 3D model of an ecosystem using waste materials</u></p> <p><u>Draw habitat scenes</u></p> <p><u>Food Chain Comic Strip Concept:</u></p> <p><u>Turn science into storytelling</u></p> <p><u>Task:</u> <u>Draw a comic showing:</u> <u>Grass → Deer → Tiger</u> <u>Add dialogues</u></p>	<p><u>Geography</u> <u>Study different ecosystems across the world:</u> <u>Desert → Rajasthan</u> <u>Forest → Amazon</u> <u>Rainforest</u> <u>Polar → Antarctica</u> <u>Activity:</u></p> <p><u>Locate ecosystems on a world map</u></p> <p><u>English</u> <u>Write:</u> <u>Paragraph on “My Favourite Habitat”</u> <u>Story: “A Day in the Life of a Forest Animal”</u></p>	<p>To create and observe a small self-sustaining ecosystem</p> <p><i>Materials:</i> Plastic bottle / glass jar Soil Small plants (grass/moss) Water Small stones</p> <p><i>Procedure:</i> Cut the bottle into two parts Add a layer of stones at the bottom Add soil on top Plant small plants Sprinkle water Close the bottle and keep it in sunlight</p> <p><i>Observation:</i> Plants remain green Water cycle occurs inside (condensation) Growth of plants over time</p> <p><i>Conclusion:</i> A terrarium acts as a mini ecosystem where living and non-living components interact</p>	<p>MCQs, HOTS, Assertion and reason, Diagrams, case based questions</p>	<p>The students will be able to</p> <p># Identify the biotic and abiotic components of different ecosystems.</p> <p># Differentiate between various types of habitats - forest, pond, grassland and man made.</p>
Sep	23	Revision and Term I						
Oct	22	<p>Ch-12 Habitat and Ecosystem</p> <p>(d) Types of Interactions among living organisms and their surroundings in an ecosystem.</p> <p>(e) Who eats whom?</p> <p>(f) What happens to waste in nature.</p>	<p>The students will be enable to</p> <p># Explain interactions among organisms - predation, competition, mutualism etc.</p> <p># Construct simple food chains and interpret food webs.</p>	<p><u>Role Play</u> <u>Students act as:</u> <u>Sun</u> <u>Plants</u> <u>Animals</u> Show how energy flows in an ecosystem</p>	<p><u>Game Idea</u> “Who Eats Whom?” Match animals with their food chains</p>	<p>To study organisms in a natural habitat</p> <p><i>Procedure:</i> Visit a garden/park/school ground Observe and note: Plants Animals/insects Surroundings (soil,</p>	<p>MCQs, HOTS, Assertion and reason, Diagrams, case based questions</p>	<p>The students will be able to</p> <p># Explain interactions among organisms - predation, competition, mutualism etc.</p> <p># Construct simple food chains and interpret food webs.</p> <p># Demonstrate through</p>

			<p># Demonstrate through activities how abiotic factors affect living organisms.</p> <p># Analyse the importance of decomposers and pollinators in maintaining ecological balance.</p>			<p>water, sunlight</p> <p>Conclusion:</p> <p>Different organisms live together and depend on each other</p>		<p>activities how abiotic factors affect living organisms.</p> <p># Analyse the importance of decomposers and pollinators in maintaining ecological balance.</p>
Nov	16	<p>Ch-12 Habitat and Ecosystem</p> <p>(g) In nature one change leads to another.</p> <p>(h) Interactions maintain balance in Ecosystem.</p> <p>(i) Benefits of an Ecosystem.</p>	<p>The students will be able to</p> <p># Evaluate how human activities affect natural ecosystems.</p> <p># Develop responsible environmental behaviour by planning sustainable actions(surveys, awareness drives.)</p> <p># Integrate traditional ecological knowledge and scientific understanding to value biodiversity.</p>	<p>Hanging model of ecosystem</p> <p>Materials: Thread Paper cutouts Stick</p> <p>Steps: Draw and cut plants/animals Hang them in layers</p> <p>Shows relationship between organisms</p>	<p>Social Science / EVS: Human impact on ecosystems: Deforestation Pollution</p> <p>Mathematics: Create graphs showing: Number of species in different habitats Measure temperature/rainfall differences Activity: Make a bar graph comparing desert vs forest rainfall</p>	<p>Human Impact on Ecosystem</p> <p>Topics: Deforestation Pollution Climate change</p> <p>Task: Write causes and effects Suggest solutions</p>	<p>MCQs,HOTS, Assertion and reason, Diagrams ,case based questions</p>	<p>The students will be able to</p> <p># Evaluate how human activities affect natural ecosystems.</p> <p># Develop responsible environmental behaviour by planning sustainable actions(surveys, awareness drives.)</p> <p># Integrate traditional ecological knowledge and scientific understanding to value biodiversity.</p>
Dec	24	<p>Earth - The Life sustaining planet</p> <p>(a) Features which make the earth suitable for life to exist.</p> <p>(b) Factors which protect life on the earth .</p> <p>(c) Sustaining life on the earth.</p>	<p>The students will be able to:</p> <p>#Identify and describe the features that make earth a unique planet.</p> <p>#Compare the physical characteristics of planets in our solar system.</p> <p>#Explain the factors that make Earth suitable for life (position,size, magnetic field,</p>	<p>Poster Making: “Save Earth, Save Life”</p> <p>Concept: Importance of Earth as a life-supporting planet</p> <p>Instructions: Draw Earth showing clean vs polluted environment Add slogans like: “There is no</p>	<p>Geography Study of Earth’s layers: Lithosphere Hydrosphere Atmosphere Biosphere Map activity: Identify regions rich in biodiversity (forests, rivers</p> <p>English Creative writing: Essay: “If I were Planet Earth”</p>	<p>Why Earth is a Life-Sustaining Planet</p> <p>1.Cover Page Title with drawing of Earth</p> <p>2.Introduction Earth is the only known planet with life It has air, water, suitable temperature</p> <p>3.Factors Supporting Life</p>	<p>MCQs,HOTS, Assertion and reason, Diagrams ,case based questions</p>	<p>The students will be able to:</p> <p>#Identify and describe the features that make earth a unique planet.</p> <p>#Compare the physical characteristics of planets in our solar system.</p> <p>#Explain the factors that make Earth suitable for life (position,size, magnetic field, atmosphere).</p> <p># Illustrate the interdependence between living and Non- living components for</p>

			atmosphere). # Illustrate the interdependence between living and Non- living components for sustaining life.	Planet B” “Protect our Home” Learning Outcome: Students connect science (life-supporting factors) with visual expression	Speech: “Save Earth, Save Life” Comprehension passage on environmental protection English Creative writing: Essay: “If I were Planet Earth” Speech: “Save Earth, Save Life” Comprehension passage on environmental protection	Atmosphere (oxygen) Water Soil Sunlight 4.Diagram Section Draw: Earth layers Water cycle Food chain		sustaining life.
Jan	14	Eath- The Life sustaining planet (d) Life on the earth does not disappear (e) Threats to life on the earth due to human actions.	The students will be enable to # Describe how reproduction (sexual and asexual) ensures the continuity of life. # Recognize threats to life on earth such as pollution,climate change and ozone depletion. # Appreciate ancient scientific understanding of celestial and environmental harmony. # Demonstrate curiosity, teamwork and responsible behaviour through interactive activities. # Apply knowledge of conservation and sustainability in daily life.	Creative Writing + Illustration Topic: “A Day Without Nature” Students draw scenes along with writing	Social Science (Civics) Human responsibility in protecting Earth Topics: Pollution Deforestation Climate change Discussion: “What will happen if Earth loses its life-supporting features?” Mathematics Data handling: Graph showing percentage of water on Earth (71%) Pie chart of atmospheric gases Simple calculations: Water usage per day in a household	5.Human Impact Pollution Deforestation 6.Conservation Methods Save water Plant trees Reduce pollution 7.Conclusion Earth is our only home, we must protect it	MCQs,HOTS, Assertion and reason, Diagrams ,case based questions	The students will be able to # Describe how reproduction (sexual and asexual) ensures the continuity of life. # Recognize threats to life on earth such as pollution,climate change and ozone depletion. # Appreciate ancient scientific understanding of celestial and environmental harmony. # Demonstrate curiosity, teamwork and responsible behaviour through interactive activities. # Apply knowledge of conservation and sustainability in daily life.
Feb	22	Revision and Term II						

SUBJECT: HIS + SPL

Textbook: 1. Exploring Society: India and Beyond

Social Science Textbook for Grade 8 Part I and II

Month	WD	Chapter/Subject	Learning Objectives	Art Integration	Inclusive Teaching	Project / Practical	Competency Based Activity Learning	Learning Outcomes
April	23	<p>L-2 Reshaping India's Political Map</p> <ul style="list-style-type: none"> . Rise and fall of Delhi Sultanate . Resistance to the Delhi Sultanate . The Vijayanagara Empire . Krishnadeva raya . The Mughals . Resistance to the Mughals 	<p>By the end of this lesson, students will be able to:</p> <ol style="list-style-type: none"> 1. Trace the rise and decline of the Delhi Sultanate and its impact on Indian society. 2. Identify the key forms of resistance against the Delhi Sultanate and the Mughal Empire. 3. Understand the political, cultural, and economic significance of the Vijayanagara Empire. 4. Describe the achievements of Krishnadevaraya and the administrative systems of his reign. 	<p>Historical Maps – Students can create visual timelines or maps showing territorial changes during the Delhi Sultanate, Vijayanagara Empire, and Mughal rule.</p>	<ol style="list-style-type: none"> 1. Highlight contributions of various social groups (merchants, artisans, women in courts, local chieftains) to avoid a single-narrative history. 2. Provide scaffolded notes and bilingual support for learners who need additional language assistance. 	<p>Research & Presentation – Small groups research resistance movements (e.g., Rajput, Vijayanagara, and local rebellions) and present findings.</p>	<ol style="list-style-type: none"> 1. Analytical Skills – Interpret historical sources like inscriptions, chronicles, and coins to study political changes. 2. Problem-Solving – Debate on the effectiveness of resistance strategies used by regional powers. 	<ul style="list-style-type: none"> . Explain the political evolution of India from the Delhi Sultanate to the Mughal Empire. . Identify significant rulers and their contributions to administration, culture, and art. . Recognize the role of resistance movements in shaping regional political boundaries. . Interpret historical maps, texts, and art to analyze historical events.
May	07	<p>L-2 Reshaping India's Political Map</p> <ul style="list-style-type: none"> . Surge of the Rajputs . The Ahoms . The Rise of the Sikhs . Administeri 	<ol style="list-style-type: none"> 1. Explain the surge of the Rajputs and their role in resisting invasions. 2. Describe the rise and administration of the Ahom dynasty in Northeast India. 3. Trace the origins and growth of the Sikh community and the establishment of Sikh power. 	<ol style="list-style-type: none"> 1. Rajput Miniatures – Students can recreate or analyze Rajput paintings showing battles or court life. 2. Ahom Monuments & Architecture – Create visual posters of 	<ol style="list-style-type: none"> 1. Highlight contributions from different regions and communities (Rajputs, Ahoms, Sikhs, peasants, women). 2. Use storytelling to make historical events relatable, e.g., daily life during Mughal rule or Ahom administration 	<p>Map Activity – Show the territories of Rajputs, Ahoms, and early Sikh states.</p>	<ol style="list-style-type: none"> 1. Analytical Skills – Compare different administrative systems (Mughal, Ahom, Rajput) and their efficiency. 2. Critical Thinking – Evaluate the impact of resistance movements on regional stability. 	<ol style="list-style-type: none"> 1. Explain the significance of Rajput, Ahom, and Sikh powers in medieval India. 2. Describe the administrative strategies used by rulers and their effect on society. <ul style="list-style-type: none"> <input type="checkbox"/> Analyze how political changes influenced trade, agriculture, and social life.

		ng India . Peoples's Lives	4. Understand how India was administered under the Mughals and regional powers.	Ahom temples, palaces, and forts.				
June	16	L-5 Universal Franchise and India's Electoral System . Universal Adult Franchise . Bridging Barriers, Enabling Participation . Enabling Participation . Ensuring Universal Franchise . Role of Election Commission . Model Code of Conduct Understanding Elections in India -Lok Sabha -Rajya Sabha	1. Understand the meaning and importance of Universal Adult Franchise . 2. Learn how elections ensure democratic participation in India. 3. Understand the role of the Election Commission in conducting elections.	Make posters on the importance of voting.	1. Encourage classroom discussions on voting rights and participation. 2. Use role-play or mock elections so all students can participate.	Prepare a report on the Model Code of Conduct.	1. Develop critical thinking about democratic processes. 2. Practice decision-making and responsible participation through mock voting.	1. Students will understand the concept of Universal Adult Franchise. 2. Students will explain the role of the Election Commission in India. 3. Students will understand the importance of the Model Code of Conduct.
July	26	L-3 The Rise of the Marathas . Who are the Marathas? . Foundation of Maratha	1. Understand who the Marathas were and their role in Indian history. 2. Learn about the rise of Maratha power under Shivaji . 3. Understand the	Make charts explaining Maratha administration and military system.	1. Use storytelling and visual aids to explain historical events. 2. Encourage group discussions and collaborative	Identify major Maratha forts and their importance.	1. Develop historical analysis and research skills. 2. Interpret maps and historical sources.	1. Develop historical analysis and research skills. 2. Interpret maps and historical sources.

		<p>power and the rise of Shivaji</p> <p>. The Marathas after Shivaji</p> <p>. Maratha Administration</p> <p>. Military administration</p> <p>. Cultural Revival</p> <p>. In focus: Thanjavur</p> <p>. The Maratha Legacy</p>	<p>development of Maratha administration and military <u>system</u>.</p>		<p>learning.</p> <p>3. Use maps, pictures, and timelines to support different learning styles.</p>			
		<p>L-6 The Parliamentary System: Legislature and Executive</p> <p>. Introduction</p> <p>. Composition of the Parliament of India</p> <p>. Function</p> <p>. Legislative Function of the Parliament</p> <p>. Executive Function of the Parliament</p> <p>. The Judiciary</p> <p>. The structure of the State Legislature.</p>	<ol style="list-style-type: none"> 1. Understand the concept of the parliamentary system in India. 2. Learn about the composition of the Parliament of India. 3. Understand the legislative and executive functions of Parliament. 	<p>Draw charts showing the structure of the Parliament of India.</p>	<ol style="list-style-type: none"> 1. Use visual aids, charts, and videos to explain the parliamentary system. 2. Encourage classroom discussions and group activities. 	<p>Conduct a mock parliament session in the classroom.</p>	<ol style="list-style-type: none"> 1. Develop understanding of democratic institutions. 2. Improve analytical and discussion skills through debates and role-play. 3. Learn decision-making and leadership through mock parliamentary activities. 	<ol style="list-style-type: none"> 1. Students will understand the structure and composition of the Parliament of India. 2. Students will explain the legislative and executive functions of Parliament. 3. Students will understand the role of the Judiciary of India.
Aug	24	<p>L-4 The Colonial Era in India</p>	<ol style="list-style-type: none"> 1. Understand the concept of colonialism and its global context. 	<p>Create timelines of major events during colonial India.</p>	<ol style="list-style-type: none"> 1. Use storytelling and visuals to explain historical 	<p>Prepare a report on the legacy of European colonialism in</p>	<ol style="list-style-type: none"> 1. Develop historical analysis and 	<ol style="list-style-type: none"> 1. Students will understand the arrival and influence of

		<ul style="list-style-type: none"> . The Age of Colonialism . The Europeans in India . Enter the British . From traders to rulers . From paradise to hell . The drain of India's Wealth . The Great Rebellion of 1857 . The Legacy of European Colonialism in India. 	<ol style="list-style-type: none"> 2. Learn about the arrival and influence of Europeans in India. 3. Study the rise of British power from trade to governance. 		<ol style="list-style-type: none"> 2. Encourage group discussions on colonial impact and resistance. 3. Use maps, charts, and timelines to support varied learning styles. 	India.	<ul style="list-style-type: none"> research skills. 2. Practice critical thinking about economic, social, and political changes. 3. Learn to interpret maps, timelines, and primary sources. 	<ul style="list-style-type: none"> European powers in India. 2. Students will explain how the British transitioned from traders to rulers. 3. Students will analyse the economic and social impact of colonialism.
Sep	23	REVISION FOR TERM- I						
Oct	22							
Nov	16							
Dec	24							
Jan	14							
Feb	22							

SUBJECT: Geography**Textbook:** 1. Exploring Society: India and Beyond Part 1

2. Part2 Not Printed by NCERT.

Month	WD	Chapter/Sub-Topics	Learning Objectives	Art Integration	Inclusive Teaching	Project / Practical	Competency Based Activity Learning	Learning Outcomes
April	23	Chapter 1 Natural Resources and Their Use. (Part 1)	<ul style="list-style-type: none"> Understand types of natural resources (renewable & non-renewable) Explore importance of conservation Identify local resources 	Map drawing of India showing distribution of major resources	Group discussions with mixed-ability learners	Collect samples/pictures of local resources	Role-play on “resource sharing”	Students can classify resources and explain their sustainable use
May	07	Chapter 1 Natural Resources and Their Use. (Part 1)	<ul style="list-style-type: none"> Analyze over-exploitation and its effects Learn about government policies on conservation 	Poster making on “Save Resources”	Peer teaching sessions	Survey of household resource usage	Debate: “Is technology helping or harming resources?”	Students can evaluate conservation methods and suggest solutions
June	16	Chapter 7 Factors of Production. (Part 1)	<ul style="list-style-type: none"> Define land, labor, capital, and entrepreneurship Understand their interdependence in production 	Flowchart creation showing production cycle	Encourage participation through role allocation	Case study of a local industry	Simulation game: “Setting up a factory”	Students can explain factors of production with examples
July	26	Chapter 7 Factors of Production. (Part 1)	<ul style="list-style-type: none"> Explore challenges in production (scarcity, efficiency) Learn about division of labor and productivity 	Collage on “Occupations in India”	Pair work for concept reinforcement	Interview with a shopkeeper/farmer	Group activity: “Design your own business plan”	Students can analyze production challenges and propose improvements
Aug	24	REVISION FOR TERM I	<ul style="list-style-type: none"> Reinforce concepts of Natural Resources & Factors of Production Prepare for assessments 	Quiz competition	Mixed-group revision activities	Practice worksheets	Concept mapping	Students can recall, connect, and apply knowledge confidently
Sep	23	NCERT Book Not Available. The syllabus will be shared after the book is released by NCERT.						
Oct	22							
Nov	16							
Dec	24							
Jan	14							
Feb	22							

SUBJECT: WE/AI/Computational Thinking**Textbook: Empower Computer Studies**

Month	WD	Chapter/Sub-Topics	Learning Objectives	Art Integration	Inclusive Teaching	Project / Practical	Competency Based Activity Learning	Learning Outcomes
April	23	Operating system (os) and graphical user interface (GUI): Role and Function- <ul style="list-style-type: none"> • Introduction, need of an operating system, Booting, Function and advantage of GUI. 	Understand the role of operating systems and basic computer start-up process	Draw labeled diagram of desktop interface	Use visual charts and demonstrations for better understanding	Identify parts of desktop (icons, taskbar, start menu)	Students explore computer interface and perform basic operations	Students understand OS functions and use GUI effectively
May	07	Spreadsheet: Function and charts <ul style="list-style-type: none"> • Working with database in excel • Goal seek • Subtotal • Data validation • Scenario manager • Pivot table 	Learn to enter data, apply simple formulas and create charts	Create colorful charts representing class data	Step-by-step instruction for beginners	Create a simple marksheet using spreadsheet	Data entry and chart creation activity	Students can organize data and create charts
June	16	Algorithms and Flowcharts	Understand problem solving steps and logical thinking	Draw flowcharts using shapes and colors	Group discussion and visual examples	Write algorithm for daily tasks	Create flowchart for simple problem (e.g., making tea)	Students develop logical thinking skills
July	26	Program Coadding Conditional statements in	Introduce basic programming logic	Creative coding project with shapes or	Peer learning and guided	Write simple code snippets	Debug simple programs	Students understand

		Python:- • if statement • if else statement • Python indentation • Program using conditional statement •	and simple commands	patterns	practice			coding basics
Aug	24	Microsoft copilot: your AI Companion	Learn basics of AI tools and responsible usage	Design poster on “AI in Daily Life”	Explain AI with real-life examples	Use Copilot to generate information	AI-assisted learning activity	Students understand role of AI tools
Sep	23	<p>Introduction to Computational Thinking</p> <ul style="list-style-type: none"> • Meaning of Computational Thinking • Importance in daily life • Applications in real-world problem solving <p>Revision and Practical Work</p>	Reinforce concepts learned throughout the year.	Create charts summarizing computer topics.	Provide revision worksheets and extra support.	Practical practice in lab for Hardware components and number system..	Quiz and problem solving activities.	Students strengthen understanding of computer concepts.
Oct	22	<p>Network: Part 1-</p> <ul style="list-style-type: none"> • Introduction of network • Types of computer network • Important terms related to internet • Networking devices • Protocols • Network components • Network architecture and topology 	Understand network types and uses	Create network diagrams	Use simple analogies and visuals	Identify devices in school network	Group activity on network models	Students understand networking basics

Nov	16	<p>Part 2-Internet Protocol</p> <p>Introduction to Internet Protocol (IP)</p> <p>Role of Internet Protocol in Communication</p> <p>IP Address – Meaning and Purpose</p> <p>Types of IP Addresses</p> <ul style="list-style-type: none"> • IPv4 • IPv6 <p>Structure of an IP Address</p>	Learn how data travels over internet	Design diagram of data packet flow	Use animations and demonstrations	Demonstration of IP address concept	Simulation of internet communication	Students understand basic internet communication
Dec	24	<p>Information security in era of ai</p> <p>Part 1 information security-</p> <p>Introduction to Information Security</p> <p>Importance of Information Security in the Digital Age</p> <p>Types of Cyber Threats</p> <ul style="list-style-type: none"> • Malware • Phishing • Ransomware • Hacking <p>Role of Artificial Intelligence in Cyber Security</p> <p>Password Security and Authentication</p>	Learn importance of protecting digital information	Poster on “Stay Safe Online”	Story-based teaching for awareness	Identify strong vs weak passwords	Cyber safety discussion	Students understand basic cyber security

Jan	14	<p>Part 2 : Data privacy in AI-</p> <p>Introduction to Data Privacy</p> <p>Types of Personal Data (Personal and Sensitive Data)</p> <p>How AI Collects and Uses Data</p> <p>Risks of Data Misuse in AI Systems</p>	Understand personal data protection and digital privacy	Create infographic on data privacy	Case studies and examples	Analyze examples of data sharing	Role-play activity on privacy protection	Students become aware of data privacy issues
Feb	22	Revision and Practical Work	Reinforce concepts learned throughout the year.	Create charts summarizing computer topics.	Provide revision worksheets and extra support.	Practical practice in lab for Hardware components and number system..	Quiz and problem solving activities.	Students strengthen understanding of computer concepts.

SUBJECT: PHYSICAL EDUCATION

Month	WD	Chapter/Sub-Topics	Learning Objectives	Art Integration	Inclusive Teaching	Project / Practical	Competency Based Activity Learning	Learning Outcomes
April	23	1. Definition, Aims, Objectives of Health & Physical Education and practice of general fitness exercises.	#To inculcate knowledge about subject.	*Role Play	* Badminton to be integrated with Physics.	#Championship among students # Art integrated project	*Conceptual learning *Thought provoking *Critical thinking *Logical reasoning	# They are able to play badminton #They are to play chess. # They are able to play Table tennis.
		2. Inter house Badminton tournament.	# To develop coordination ability.		* Table tennis to be integrated with Physics.			
		3. Learning & practice of Table tennis game.	# To develop mental ability.		* Chess and carrom to be integrated with mathematics.			
		4. Introduction & practice of chess game.	# To improve speed ability.					
		5. Practice for Yoga Day	# To knowledge of chess and game.	* Yoga to be integrated with respiration system.	* Identify any two-yoga pose.	*Logical reasoning *Analyzing *High order thinking. *Picture based	# To develop body flexibility.	
May	07	Inter house Table tennis tournament	# To improve speed ability.	*Role Play	* Table tennis to be integrated with Physics.	#Championship among students	*Logical reasoning	* Mental development *agility development
June	16	1. Inter house yoga competition.	## To improve of mental Strength. # To develop body flexibility.	*Role Play • Perform Surya Namaskar with soft instrumental music.	* Yoga to be integrated with respiration system.	#Championship among students	*Thought provoking *Critical thinking *Logical reasoning	* Physical Development. * Mental development

		2. Inter house Rope Skipping competition.	# To improve their confidence level. # To improve fitness level and coordination. # Improve leg strength. # Learn the game.	*Role Play / Skit	#Rope skipping events to be integrated with physics.	#Championship among students	*Critical thinking	*Improved confidence level *Improved Physical Development.
		3. Introduction & practice of Taekwondo game.	# To learn the self defence.	*Role Play	#Peer Learning	# Practical	* Balance, coordination, discipline	#they are able to play taekwondo games.
July	26	1. Inter house Taekwondo championship.	# To improve fitness level and coordination.	*Role Play / Skit • Perform a short self-defence situation. *Role Play	#Adaptive Taekwondo #Peer Learning # Simplified Drills	#Championship among students	* Balance and coordination * Tactical puzzle solving	*Improved fitness level and coordination. *Improved confidence level
		2. Inter house Chess competition.	# To improve their confidence level.					
		3. Introduction and practices of Gatka event.	# To improve their Mental development. # To know the rules and regulations of gatka					
Aug	24	1. Inter house Gatka championship.	# to check the confidence level.	*Role Play	#Rotational Participation # Simplified Drills # Encourage teamwork and	#Championship among students # Art integrated project	* Balance, coordination, discipline *Critical thinking	#they are able to play gatka, volleyball , football and basketball. *Improved
		2. Introduction and practices Volleyball event.	# To know the rules and regulations of gatka , volleyball, football and basketball games.					
		3. Introduction and practices of Basketball event						

		4. Introduction and practices of football games.			cooperation			confidence level	
Sep	23	1. Term – II examination	Assessment						
Oct	22	1. Inter house Football tournament.	# To improve fitness level and coordination.	*Role Play	# Encourage teamwork and cooperation	#Tournamnet among students	*Logical reasoning *Analyzing	* Physical Development. * Mental development	
		2. Inter house Volleyball tournament.	# To improve their confidence level.				*High order thinking.	*Improved fitness level and coordination.	
		3. Inter house Basketball tournament.	# To improve their Mental development.				* Balance, coordination, discipline	*Improved confidence level	
Nov	16	1. Heats of Annual sports meet.	#Developing fitness, sports skills, teamwork, discipline, creativity, and event-planning abilities.”	*Role Play	# Encourage teamwork and cooperation	#Tournamnet among students	* Balance, coordination, discipline *Logical reasoning *Analyzing	*Improved fitness, sports skills, teamwork, discipline, creativity, and event-planning abilities.”.	
		2. Practice of Drill and march past.					*High order thinking.	*Improved fitness level and coordination. *Improved confidence level	
Dec	24	1. Annual sports meet 2026 (SPARDHA) <ul style="list-style-type: none"> Practice Final events 	# To show case the talent # To awareness of physical education # To build the	*Role Play	# Encourage teamwork and cooperation	#Tournamnet among students	* Balance, coordination, discipline *Logical reasoning *Analyzing *High order	#Improved fitness level # they are able to know the meaning of physical education	

			confidence level				thinking.	# Improved confidence level
Jan	14	1. Inter house Kho- Kho Championship.	# To improve their confidence level. # To improve fitness level and coordination. # Improve leg strength.	*Role Play	# Encourage teamwork and cooperation	#Tournamnet among students	* Balance and coordination * Tactical puzzle solving	#they are motivated # they are able to play higher level kho – kho tournaments.
		2. Practical of Term – II examination.	Assessment					
Feb	22	1. Revision of previous games.	# Skill Reinforcement <ul style="list-style-type: none"> Strengthen previously learned techniques and skills in each game or sport. Improve accuracy, speed, and efficiency in performance. # Memory & Recall <ul style="list-style-type: none"> Recall rules, strategies, and sequences of different games. Remember key techniques, formations, and moves. 	*Role Play	#Rotational Participation	#Tournamnet among students	*Logical reasoning *Analyzing *High order thinking.	#Students demonstrate improved accuracy, technique, and execution in previously learned games.
		2. Term – II examination	Assessment					

SUBJECT : DANCE

Month	WD / NOP	Chapter/ Sub-Topics	Learning Objectives	Key Terms and Concept	Art Integration	Inclusive Teaching	Project / Practical	Research Work Blended learning	Smart Board Activity	Competency Based Activity Learning	Learning Outcomes
APRIL	24	Dance with Yogasana.	<u>Yoga when mixed with dance,it holds a beautiful synchronisation.</u>	<u>Yog postures that are related to dance are scripted and drawn in copy.</u>	Practicing Yoga.	Integrate with PE and biology.	Integrate with PE and biology.	NO	NO	<u>Yog postures that are related to dance are scripted and drawn in copy.</u>	<u>Yog when mixed with dance,it holds a beautiful synchronisation</u>
MAY	08	Any one Folk Dance form of India.	<u>The students should know about different culture of India.</u>	<u>Jewellery making of that particular dance.</u>				NO	NO	<u>Jewellery making of that particular dance.</u>	<u>The students should know about different culture of India.</u>
JUNE	14	Basic Adavus steps of Bharatnatyam and revision of previous class.	<u>Beginning steps of Bharatnatyam.</u>	<u>Draw the Adavus steps one by one(at least 8)</u>	List up state's food habit, costume etc.	Intigrate with SST	Intigrate with SST	NO	NO	<u>Draw the Adavus steps one by one(at least 8)</u>	<u>Beginning steps of Bharatnatyam.</u>
JULY	26	Guruvandana	<u>To understand the importance of Guru in performing art.</u>	<u>Learn the meaning and write down its lyrics as well.</u>	Bharatnatyam basic steps.	Integrate with Yogasana	Integrate with Yogasana.	NO	NO	<u>Learn the meaning and write down its lyrics as well.</u>	<u>To understand the importance of Guru in performing art.</u>
AUG	22	Dance with Yogasana.	<u>Yog when mixed with dance,it holds a beautiful synchronisation.</u>	<u>Yog postures that are related to dance are scripted and drawn in copy.</u>	Gurukul concept.	Integrate with Sanskrit	Integrate with Sanskrit	NO	NO	<u>Yog postures that are related to dance are scripted and drawn in copy.</u>	<u>Yog when mixed with dance,it holds a beautiful synchronisation</u>

SEPT	05										
OCT	13	Navras	<u>To understand about expression.</u>	<u>Project on emotions</u>	Daily emotions of human being.	Integrate with literature.	Integrate with literature.	NO	NO	<u>Project on emotions</u>	<u>To understand about expression.</u>
NOV	22	Garba dance	<u>Garba is a traditional dance of Gujrat.It is very colourful and full of rhythm.</u>	<u>Dandiya decoration</u>	Essential items for Garba.	Integrate with Art.	Integrate with Art.	NO	NO	<u>Dandiya decoration</u>	<u>Garba is a traditional dance of Gujrat.It is very colourful and full of rhythm.</u>
DEC	23	Greeba bhed and Shirobhed gyan	<u>Neck and head are the two most important aspect of dancing.</u>	<u>Write and do sketch the different types of shirobhed and greebabhed.</u>	Bones related to Head and neck.	Integrate with physiology.	Integrate with physiology.	NO	NO	<u>Write and do sketch the different types of shirobhed and greebabhed.</u>	<u>Neck and head are the two most important aspect of dancing.</u>
JAN	16	Lesson on Dance make up	<u>Make up is a very essential part of dance.One should know about the process of make up.</u>	<u>Write the basic ingredients of make up and its usage.</u>	Basic make up rule.	Intigrate with Art.	Integrate with literature.	NO	NO	<u>Write the basic ingredients of make up and its usage.</u>	<u>Make up is a very essential part of dance.One should know about the process of make up.</u>
FEB											

SUBJECT: ART & CRAFT

Text Book: ART VILLE PART -8

Month	WD	Chapter/ Sub-Topics	Learning Objectives	Art Integration	Inclusive Teaching	Project / Practical	Competency Based Activity Learning	Learning Outcomes
APRIL	23	From book-CHAPTER 1&2 Practical- Making design in warm and cool color Theory – Cool and war	<u>To give a brief knowledge of warm and cool colors</u>	Math’s - Symmetry	Math’s - Symmetry	<u>Draw and paint color wheel to show warm and cool colors</u>	• Q & A LOA	<ul style="list-style-type: none"> • Students will be able to understand various aspects of development. • Students will be able to identify various indicators of development Student will be able to differentiate quantitative & qualitative measures of comparison
MAY	07	From book-CHAPTER 1&2) Practical- Making des and cool color	<u>To make students differentiate between warm and cool colors</u>	Math’s symmetrical & asymmetrical shapes	Math’s symmetrical & asymmetrical shapes	<u>Draw and paint color wheel to show warm and cool colors</u>	MCQ on Elements of Art	<ul style="list-style-type: none"> • Students will be able to understand various aspects of development. • Students will be able to identify various indicators of development Student will be able to differentiate quantitative & qualitative measures
JUNE	16	From book-CHAPTER – Calligraphy Art Composition in watercolor	To inculcate knowledge about composition drawing.	It can be related with village story, in Hindi or Eng subject	It can be related with village story, in Hindi or Eng subject	One Landscape and one village landscape to be done	MCQ on Elements of Art	Students will make a Water color composition
JULY	26	From book-CHAPTER – 4 Rakhi making(craft) 3 D ART	<u>To give knowledge about of Rakhi making.</u>	Poem based on Rakhi festival.	Poem based on Rakhi festival.	<u>To prepare a Rakhi with available materials at home.</u>	MCQ on Elements of Art	Students will make Rakhi
AUG	24	From book-CHAPTER – 5 Flower Arrangement Warli painting	<u>To inculcate knowledge about Folk Art of Maharashtra.</u>	SST- social and cultural life and folk art of tribal	SST- social and cultural life and folk art of tribal	<u>Prepare a project file of Warli Art.</u>	MCQ on Elements of Art	Students will do a Warli composition
SEPT	23	From book-CHAPTER – 5				<u>Write your school name in</u>	MCQ on Elements of Art	Students will <u>Write your school name in creative way</u>

		Making design with Ca	<u>To teach the art of creative writing.</u>	Computer-learning of different Font in computer	Computer-learning of different Font in computer	<u>creative way.</u>		
OCT	22	From book- CHAPTER – 6 & 7 Pebble Painting (With Fabric color) Graphic Art (Practical,	<u>To give idea of Graphic Art.</u>	Computer - Graphic designing	Computer - Graphic designing	<u>To prepare any one graphic art of your choice.</u>	MCQ on Elements of Art	Students will be able to make cover page of a book, and do painting on Pebble
NOV	16	From book- CHAPTER – 8 & 9 Commercial Art Making Book cover and illustration	<u>To give knowledge about Various field of Commercial Art.</u>	B St.- Business promotion and advertising	B St.- Business promotion and advertising	<u>Make a cover page of a book.</u>	MCQ on Elements of Art	Students will make a cover page design of school almanac
DEC	24	From book- CHAPTER – 10 & 11 Bandhani Art (Tie& Dye) Composition in Watercolor	<u>To give knowledge of coloring clothes through Tie & Dye Prosess.</u>	Science- Fabric and fibre	Science-Fabric and fibre	<u>Color your Hanky..</u>	MCQ on Elements of Art	Students will color a hanky in tie and dye technique
JAN	14	From book – CHAPTER – 12 Texture painting	<u>To inculcate knowledge about Texture painting.</u>	Waste management topic In science	Waste management topic In science	<u>Prepare simple paper to Texture paper &Paint a figure.</u>	MCQ on Elements of Art	Students will be able to create texture on paper or canvas and do painting on it

SUBJECT: ART EDUCATION (VOCAL MUSIC)

Month	WD	Chapter/Sub-Topics	Learning Objectives	Key Terms and Concept	Art Integration	Inclusive Teaching	Project / Practical	Research Work Blended Learning	Smart Board Activity	Competency Based Activity Learning	Learning Outcomes
	NOP										
April	24	Song from Almanac “ Ata Uthvu ”	Knowing about the following Importance of Language in Music Notes are being used in This particular Song	Concept About <ul style="list-style-type: none"> • Kaharwa rella and slow Pattern • Musical notes use in Energetic Songs 	By singing Knowoing the difference between komal and suddh swar	Inclusive ly teaching about raag Yaman using swar of this Raag	Similar Songs which Use the same Swar	Finding out the musical note which changes the mood of the song	NO	NO	Children will Know about the importance of Language in Music but Language is not a barrier for music
May	08										
June	14	Raag “ Kaafi ” Discription, Aaroh, Avroh & Bandish	Practice of small alnkars in Suddh Swar Effortlessly singing suddh swars and usage as sargams with Komal ni	Nature of the the Raag along with Teentaal describing taali and khali	Identificati on of other songs related to this raga's interpretati on	Usage of Swar Pa andRe sangati Properly	Creating Taan with Jumble Funny Activity	NO	NO	Playing notes in Haronium and understand ing the Tune	Children will know the Importance of Practice of small alnkars in Suddh Swar Effortlessly singing Komal swars and useage as sargams
July	26	Song from almanac “ Nayi Dagar Naya Safar ”	Knowing to sing in Different Patterns of Same taal. Knowing About Veer Ras in Sinning Knowing about the meaning of the song	Concept About <ul style="list-style-type: none"> • Rupak Taal • Singing in different pattern of Laya 	Use of Musical notes which changes the mood of the song	Teaching prayog of Komal Gandhar to Set the tone of the song	Singing and counting in Hand beats	Findout Similar kind of song	NO	NO	Children will Know to sing in Different Patterns of Same taal. Knowing About Karun Ras in Sinning
Aug	22										
Sept		Term I EXAMINATION									

Oct	13	Song From Almanac “ Gaye Ja Aye Rahi ”	Knowing About How to sing Motivational Song Using of Komal Ga swar in Song	Concept About • Kaafi Raag And its different Chalan • Swar and its type	Use of Musical notes which changes the mood of the song	Teaching prayog of Komal Gandhar to Set the tone of the song	Other Songs related to Horse Beat	Using of other musical notes rather than Komal gandhar and Dhaiwat	NO	NO	Children will Know About How to sing Motivational Song Using of Komal Ga swar in Song
Nov	22		Knowing About Singing in Western Beats along with Clapping and tapping Sound Variations in Western music (Western Notation)	Concept About • Four By Four Beat Structure • Scale and its type	Difference between Indian Rhythm and western rhythm	Learning about difference between fast beat and slow beat songs	Western notation and sound system	Songs related other western culture	NO	NO	Children will knowing About Singing in Western Beats along with Clapping and tapping Sound Variations in Western music (Western Notation)
Jan	16	Song from Almanac “ Hoga Kal sunchra ”	Knowing About the following 1. Use of Beats to refrom a taal 2. Use of hand movements to sing 3. Difference between komal and suddha swar 4. How to sing in high pitch Song	Concept About • Kahrwa Taal with Diferent variations • Hand movements during singing	Use of Musical notes which changes the mood of the song	Teaching prayog of Komal Gandhar to Set the tone of the song	Similar Songs which Use the same Swar	Finding out the musical note which changes the mood of the song	NO	NO	Children will Know About the following 5. Use of Beats to refrom a taal 6. Use of hand movements to sing 7. Difference between komal and suddha swar 8. How to sing in high pitch Song
Feb		Term II EXAMINATION									
Mar		Revision “All Songs”	Revision								

Subject: INSTRUMENT (Music)

Month	W. D.	Chapter/ Sub- Topic	Learning Objectives	Art Integration Topics	Inclusive Teaching	Project / Practical Work	Competency Based Activity/ Learning Outcomes	Learning Outcomes
April	23	Theka in different laya according to the taal paddhati.	To inculcate knowledge about different theka layas	Number Counting.	Number Counting.	Practice for different layas	Knowledge of notation and nikas	Knowledge of notation and nikas
May	07	Taal parichay	To inculcate knowledge about Rupak taal , Dhamaar Taal, Pancham Sawari	Number Counting.	Number Counting.	Practice for Rupak Taal , Dhamaar Taal.	Knowledge for different rhythm	Knowledge for different rhythm
June	16	Theka practice about above taal	To improve hand practice.	Taal Counting.	Taal Counting.	Teen Taal & Theka Practice.	Students will learn about above tl.	Students will learn about above tl.
July	26	Teen taal kaida, Palta, Vishtar and Tihai Western beats rolling practice	To inculcate knowledge about Kaida, Palta, & Tehai.	Forward & Back-word counting.	Forward & Back-word counting.	Skill Practice	Development of nikas.	Development of nikas.
Aug	24	Rupak taal,Qaida with palta, vistar and tehaai. Western beats practice	To improve knowledge about different Rupak Taal.	Dance & Vocal music and folk music	Dance & Vocal music and folk music	Draw and paste 5 western instrument. Practice for Rupak taal Qaida	They will come to know about Rupak taal	They will come to know about Rupak taal

Sept	23							
Oct	22	Rupak taal rela with palta , vistar and tehaai	Adherence of rule and discipline	Dance & Vocal music.	Dance & Vocal music.	Students will Prepare a Chart of Different instrument.	They will learn Rupak taal and rela.	They will learn Rupak taal and rela.
Nov	16	Cont. Rupak taal rela with palta, vistar and tehaai	To improve knowledge about Rupak Taal.	Dance & Vocal music.	Dance & Vocal music.	Practice of Rupak taal	Skill development	Skill development
Dec	24	Rupak taal tukra and Folk beats	To inculcate knowledge about Folk beats	Voca and Fol k music.	Voca and Fol k music.	Practice of Rupak taal tukra and Folk beats	Students will learn about Rupak taal tukra.	Students will learn about Rupak taal tukra.
Jan	14	Rupak taal chakradhar . Folk beats	To improve perfection	Vocal music and Folk music	Vocal music and Folk music	Draw Tabla on half size chart paper and leveling the different parts.	They will improve their performance.	They will improve their performance.
Feb								
March								

SUBJECT: GENERAL KNOWLEDGE**Textbook: 1. BRAINBYTES**

Month	WD	Chapter/Sub-Topics
April	23	1. Aliens in Movies 2. Exploring Space(ISRO) 3. Artificial Organs 4. Natural Disasters • Current Affairs
May	07	5. Poisonous Plants 6. Amazing Antarctica 7. Expanding Desert • Current Affairs
June	16	8. Paralympic Games 9. Defence Organisation 10.National Waterways 11.National Highways • Current Affairs • Sports
July	26	12.Tribal People of india 13.Ancient Indian Scholar 14.Digital india 15.Indian Literature • Current Affairs • Sports • Alamanac • reasoning
Aug	24	16.Accounts of Foreign Travellers 17.Our Bravehearts (Paran Vir Chakra Winners) 18.Oceania 19.Famous Speeches • Current Affairs • Sports • Alamanac • Reasoning • Quotes of the week
Sep	23	REVISION + TERM-I EXAMINATION
Oct	22	20.Mysteries around the world

		21. World Records in Sports 22. Extreme Sports 23. Cyber Security 24. International Organisations <ul style="list-style-type: none"> • Current Affairs • Sports • reasoning
Nov	16	25. The World of Cinema 26. Robotics and Automation 27. Impressive statues and Sculptures 28. Creative Thinking <ul style="list-style-type: none"> • Current Affairs • Sports • reasoning
Dec	24	29. Money Management 30. Unique Professions 31. Animal Rights 32. Behaviour in Public Places 33. The Spirit of Giving <ul style="list-style-type: none"> • Current Affairs • Sports • Reasoning • Almanac • Quotes of the week
Jan	14	34. Ozone Layer Protection 35. Celebrating Biodiversity Let's Check 1 Let's Check 2 <ul style="list-style-type: none"> • Current Affairs • Sports • Reasoning • almanac
Feb	22	REVISION + TERM-II EXAMINATION

SUBJECT: Kaushal Bodh

Textbook: Vocational Education

Month	WD	Chapter/Sub-Topics	Learning Objectives	Art Integration	Inclusive Teaching	Project / Practical	Competency Based Activity Learning	Learning Outcomes
April	23	Project-1 Hydroponics: Growing Plants without soil . Growing microgreens for preparing a healthy salad . Building a hydroponic system using Wick Method . Building a hydroponic system using Deep Water Culture or Bucket Method . Making Compost Tea . Maintaining Water pH	1. Understand the concept of hydroponics and soilless farming . 2. Identify the nutritional requirements of plants grown in water. 3. Learn different hydroponic methods such as Wick Method and Deep Water Culture. 4. Develop skills in growing microgreens for healthy food .	Drawing and labeling hydroponic systems (Wick Method / Bucket Method).	1. Allow group activities so students support each other. 2. Provide hands-on activities for experiential learning. 3. Give simple instructions and step-by-step demonstrations .	Making Compost Tea	1. Develop observation and plant care skills. 2. Practice problem-solving while building hydroponic systems. 3. Learn to measure and maintain pH levels.	1. Students will understand how plants can grow without soil. 2. Students will be able to grow microgreens and prepare healthy food. 3. Students will construct simple hydroponic systems.
May	07	Project-1 Hydroponics: Growing Plants without soil . Growing microgreens for preparing a healthy salad . Building a hydroponic system using Wick Method . Building a hydroponic system using Deep Water Culture or Bucket Method . Making Compost Tea . Maintaining Water pH	1. Understand the concept of hydroponics and soilless farming . 2. Identify the nutritional requirements of plants grown in water. 3. Learn different hydroponic methods such as Wick Method and Deep Water Culture. 4. Develop skills in growing microgreens for healthy food .	Drawing and labeling hydroponic systems (Wick Method / Bucket Method).	1. Allow group activities so students support each other. 2. Provide hands-on activities for experiential learning. 3. Give simple instructions and step-by-step demonstrations .	Making Compost Tea	1. Develop observation and plant care skills. 2. Practice problem-solving while building hydroponic systems. 3. Learn to measure and maintain pH levels.	1. Students will understand how plants can grow without soil. 2. Students will be able to grow microgreens and prepare healthy food. 3. Students will construct simple hydroponic systems.
June	16	Project -2 Feeding and Caring for Farm Animals . Visit to a farm . Field Visit to a Veterinary Clinic . Preparation in Vaccination or Health . Estimating weight of farm animals . Preparing a feeding Chart . Preparing Home remedies for Livestock	1. Understand the importance of proper feeding and care of farm animals. 2. Learn about animal health, vaccination, and disease prevention. 3. Develop knowledge about the role of veterinarians.	Prepare posters showing vaccination schedules for livestock.	1. Encourage group discussions and teamwork during farm visits. 2. Use pictures, videos, and demonstrations for better understanding.	Prepare a feeding chart for different livestock.	1. Learn practical animal care and feeding management. 2. Build problem-solving skills in animal health management.	1. Students will understand the importance of proper feeding and care of farm animals. 2. Students will learn basic animal health practices and vaccination importance. 3. Students will be able to estimate the weight of farm animals.

July	26	Project-3 Working with Wood and Bamboo . Visiting a local Woodworking/ Bamboo Workshop . Understanding Bamboo or Wooden Products . Making a prototype of a Desired Object or Product . Making a product from Wood . Making a product from Wood . Costing	1. Understand the importance and uses of wood and bamboo in daily life. 2. Learn basic woodworking and bamboo craft techniques. 3. Develop creativity and practical skills in making products.	Make creative models and decorative items from wood or bamboo.	1. Encourage teamwork and group participation during workshop visits. 2. Provide demonstrations and simple instructions for all learners.	Make a prototype of a desired object or product.	1. Develop practical skills in crafting with wood or bamboo. 2. Learn basic design and product development skills. 3. Practice measuring, cutting, and assembling materials.	1. Students will understand the uses and importance of wood and bamboo. 2. Students will gain basic skills in making simple wooden or bamboo products. 3. Students will be able to design and create a prototype product.
Aug	24	Project-3 Working with Wood and Bamboo . Visiting a local Woodworking/ Bamboo Workshop . Understanding Bamboo or Wooden Products . Making a prototype of a Desired Object or Product . Making a product from Wood . Making a product from Wood . Costing	1. Understand the importance and uses of wood and bamboo in daily life. 2. Learn basic woodworking and bamboo craft techniques. 3. Develop creativity and practical skills in making products.	Make creative models and decorative items from wood or bamboo.	1. Encourage teamwork and group participation during workshop visits. 2. Provide demonstrations and simple instructions for all learners.	Make a prototype of a desired object or product.	1. Develop practical skills in crafting with wood or bamboo. 2. Learn basic design and product development skills. 3. Practice measuring, cutting, and assembling materials.	1. Students will understand the uses and importance of wood and bamboo. 2. Students will gain basic skills in making simple wooden or bamboo products. 3. Students will be able to design and create a prototype product.
Sep	23	REVISION FOR TERM- I						
Oct	22	Project- 4 Home Automation . Exploring automation in our surrounding . Exploring circuits using a Simulation platforms . Building circuit using Physical Component . Making the Circuit Smart . Exploring Automation Cycle . Making own Automation system	1. Understand the concept of automation in daily life. 2. Learn basic electrical circuits and components. 3. Understand how smart systems control devices automatically.	Design creative layouts of a smart home.	1. Use demonstrations and visual aids to explain circuits and automation. 2. Encourage teamwork and group activities. 3. Provide simple instructions and hands-on practice for all learners.	Build a simple circuit using physical components.	1. Learn to design and test simple electrical circuits. 2. Apply knowledge of automation and smart technology. 3. Encourage creativity and innovation in designing automated systems.	1. Students will understand how automation works in homes. 2. Students will learn to design circuits using simulation tools. 3. Students will build simple electrical circuits using components.
Nov	16	Project-5 Water Audit for Water	1. Understand the importance of water	Prepare posters on saving water.	1. Encourage group work for data	Collect information about rainwater	1. Develop skills in data collection and	1. Students will understand the

		<p>Management</p> <ul style="list-style-type: none"> . Water measurement methods . Estimating average consumption in a household . Rainwater availability in your district/ town/ village/ ward . Compare and analyse the data . Identify wastage points and amount of wastewater. . Reusing water 	<p>conservation and management.</p> <ol style="list-style-type: none"> 2. Learn different methods of measuring water usage. 3. Understand household water consumption patterns. 		<p>collection and analysis.</p> <ol style="list-style-type: none"> 2. Use simple measuring tools and visual charts for better understanding. 3. Provide equal opportunities for participation to all students. 	<p>availability in the district, town, village, or ward.</p>	<p>observation.</p> <ol style="list-style-type: none"> 2. Practice analysing and interpreting information. 3. Learn problem-solving related to water conservation. 	<p>concept of water audit and water management.</p> <ol style="list-style-type: none"> 2. Students will estimate water consumption in households. 3. Students will analyse data related to rainfall and water use.
Dec	24	<p>Project-6 Creating Advertisement</p> <ul style="list-style-type: none"> . Understanding types of advertisements . Elements comprising advertisements . identification of client . Understanding the small business . Designing the advertisement . review 	<ol style="list-style-type: none"> 1. Understand the purpose and types of advertisements. 2. Learn the important elements used in advertisements. 3. Identify the needs of a client or small business. 	<p>Create logo and layout for the advertisement.</p>	<ol style="list-style-type: none"> 1. Encourage group discussions and brainstorming ideas. 2. Provide visual examples of different advertisements. 3. Allow students to work in teams for designing advertisements. 	<p>Identify a client or a small business for promotion.</p>	<ol style="list-style-type: none"> 1. Develop communication and creative thinking skills. 2. Practice designing and presenting ideas effectively. 	<ol style="list-style-type: none"> 1. Students will understand different types and elements of advertisements. 2. Students will identify the needs of a small business client. 3. Students will design creative advertisements for products or services.
Jan	14	<p>Project-6 Creating Advertisement</p> <ul style="list-style-type: none"> . Understanding types of advertisements . Elements comprising advertisements . identification of client . Understanding the small business . Designing the advertisement . review 	<ol style="list-style-type: none"> 1. Understand the purpose and types of advertisements. 2. Learn the important elements used in advertisements. 3. Identify the needs of a client or small business. 	<p>Create logo and layout for the advertisement.</p>	<ol style="list-style-type: none"> 1. Encourage group discussions and brainstorming ideas. 2. Provide visual examples of different advertisements. 3. Allow students to work in teams for designing advertisements. 	<p>Identify a client or a small business for promotion.</p>	<ol style="list-style-type: none"> 1. Develop communication and creative thinking skills. 2. Practice designing and presenting ideas effectively. 	<ol style="list-style-type: none"> 1. Students will understand different types and elements of advertisements. 2. Students will identify the needs of a small business client. 3. Students will design creative advertisements for products or services.
Feb	22	REVISION FOR TERM II						

