



SPLIT-UP SYLLABUS-2024-25
CLASS – VIII

SUBJECT-ENGLISH

TEXTBOOKS:

1. **New Images: Class Book**
2. **New Images: Enrichment Reader**
3. **Cornerstone: Grammar**

MONTHS	SUBTOPICS	LEARNING OUTCOMES
APRIL MAY	Class Book The Three Questions The Commentator The Tea Kettle	<ul style="list-style-type: none">• write a simple story with a clear sequence of events.• describe past events or experiences using simple descriptive language to add interest.• identify words that have the same sound but different meaning.• recognize emphasis through intonation and stress.• write short, simple texts about topics of personal relevance.• use a range of nouns, verbs, adjectives and adverbs to add detail.• describe events, real or imaginary.• To understand the technique of commentary.• Understand about subject-verb agreement• Comprehend the role of a protagonist.• Infer the meaning given by the lesson.• Understand the vocabulary words in context.• Learn new idioms.• Reinforce the concept of subject- verb agreement.
	Grammar Nouns	<ul style="list-style-type: none">• effectively use nouns in sentence composition.
JUNE	Class Book A Nation's Strength Grammar Pronouns Adjectives	<ul style="list-style-type: none">• Skim text to have a central idea of the poem; infer theme to extract salient points and develop mind map to summarize the poem.• Students will learn about how a nation is made great by the noble men.• Identify different types of pronouns and use them correctly in written and spoken language.• use adjectives correctly in written and spoken language

	<p><u>Reading skill:</u> Unseen Passage</p> <p><u>Writing Skill:</u></p> <ol style="list-style-type: none"> 1. Message Writing 2. Diary writing 	<ul style="list-style-type: none"> • Conceptual understanding, analyzing, inferring, interpreting and vocabulary. • Creative expression of an opinion, reasoning, justifying, illustrating, using appropriate format and style.
JULY	<p>Class Book One Stranded Bus and a Pond</p> <p>The Nightingale and the Glow-worm.</p> <p>A Robot in the House</p> <p>Grammar Determiners</p> <p>Tenses</p>	<ul style="list-style-type: none"> • designing a poster. • learn about phrasal verbs. • listening to an itinerary and answering questions. • To learn about literary devices. • To learn words with silent letters. • To understand the theme that to coexist with others in a spirit of mutual respect and understanding. • To learn about virtual reality. • To learn about words that are used both as nouns and verbs • Identify determiners within sentences. • Use determiners accurately within sentences. • Relate forms of actions to the time of happening. • Use different forms of verbs according to time.
AUGUST	<p>Class Book The Eyes Have It</p> <p>The Open Window</p> <p>Enrichment Reader The Guests</p> <p>Grammar Voice</p>	<ul style="list-style-type: none"> • To learn about collocations: adverb-verb. • Develop empathy towards specially abled people. • Develop proper pronunciation and enunciation. • Comprehend the meaning and message given by the story. • Enhance Vocabulary • Determine the use of the parts of speech more profoundly. • Reinforce the concept of past tense • To appreciate humorous stories. • To learn the character sketch of main characters. • Distinguish between active and passive voice in sentences. • Create sentences in the active and passive voice.

HALF YEARLY EXAMINATION (23 AUGUST 2024 to 9 SEPTEMBER 2024)

<p>SEPTEMBER</p>	<p>Class Book A Remarkable Rocket</p> <p>The Human Seasons</p> <p>EnrichmentReader Ode to Autumn</p>	<ul style="list-style-type: none"> • Infer the cons of letting off fireworks. • Comprehend the message directed and apply it in life. • Learn more about word association. • Write a formal letter. • Understand the meaning and message given by the poem. • Use Vocabulary in proper context. • Inculcate the habit of reading • Do integrated grammar exercises related to Sentence transformation • Discuss the life and work of John Keats as a Romantic poet. • Discuss the features of Keats’ poetry’. • To familiarize students with the theme of his poetry.
<p>OCTOBER</p>	<p>EnrichmentReader O Captain! My Captain!</p> <p>A Telephonic Conversation</p> <p>Grammar Direct and Indirect Speech</p>	<ul style="list-style-type: none"> • Identify poetic and rhetorical devices in a poem. • To know how poetic language can bring life to a historical moment. • To learn about Mark Twain’s writing. • Enjoy the humor in the story. • Differentiate reported speech from direct speech by comparing their features and use at the text level. • Use direct speech and reported speech appropriately to report people’s viewpoints in news articles.
<p>NOVEMBER</p>	<p>Class Book Journey to the Sundarbans</p> <p>The Way Through the Woods</p> <p>EnrichmentReader Lord Ullin's Daughter</p> <p>Writing: Story Writing</p>	<ul style="list-style-type: none"> • Learn about a transcript of a podcast. • Use vocabulary in proper context. • Get a sense of what Affixes are. • Identify Clauses: noun, adjective and adverbs • Learn how to report to an audience • Inculcate the value of natural habitat. • Get familiar with some commonly confused words. • Learn more about the types of sentences. • Understanding and appreciation of the poem, • Identifying poetic devices used like personification, metaphor etc. • Students identify and analyze basic story elements and create their own idea for a story using these elements
<p>DECEMBER</p>	<p>Class Book From Storytelling to filmmaking</p> <p>A Comedy of Manners</p>	<ul style="list-style-type: none"> • Understand the criteria of evolution. • Get familiar with words related to theatre. • Conversion of active-passive voice. • Develop the art of storytelling. • Get a sense of pictography. • Revise direct and indirect speech. • Enact a one-act play. • Revision of all the punctuation marks.

	EnrichmentReader The Rehearsal	<ul style="list-style-type: none"> Develop a sophisticated understanding of Shakespeare's verse style and genre.
	Writing: Article Writing Grammar: Prepositions	<ul style="list-style-type: none"> To learn the correct use of preposition.
JANUARY- FEBRUARY	REVISION FOR ANNUAL EXAMINATION	

SUBJECT-HINDI

TEXTBOOKS:

- वसंत भाग -3 (एन.सी.ई.आर.टी.)
- नवीन शिक्षार्थी हिंदी व्याकरण -VIII (पी.पी पब्लिकेशन)

MONTHS	UNIT/ CHAPTER / TOPIC	LEARNING OUTCOMES
APRIL	वसंत - 1-लाख की चूड़ियाँ 2-बस की यात्रा हिंदी व्याकरण - 1-विराम चिन्ह रचनात्मक लेखन - 1-अपठित गद्यांश	<ul style="list-style-type: none"> मानव निर्मित वस्तुओं एवं मशीनों द्वारा निर्मित वस्तुओं में भेद एवं महत्व को समझाना नवीनता एवं बदलाव के महत्व को समझाना ,स्वार्थ की भावना का त्याग व्यंग्यात्मक शैली द्वारा भाषा की उपयोगिता को समझाना भाषा को प्रभावी ढंग से इस्तेमाल करने में मदद करना छात्रों की बौद्धिक गहराई की जाँच करना' छात्रों के अभिव्यक्ति कौशल में वृद्धि होती है।
JUNE	वसंत - 3-दीवानों की हस्ती 4-भगवान के डाकिए हिंदी व्याकरण - 2-अशुद्ध वाक्यों का संसोधन रचनात्मक लेखन - 2-अपठित पद्यांश 3-अनुच्छेद लेखन	<ul style="list-style-type: none"> आदर्शों को स्वीकार कर अपनी कल्पनाशक्ति और रचनात्मकशक्ति का विकास करना प्रकृति प्रेम एवं उसके महत्व से परिचय ,पशु-पक्षियों ,बादलों ,हवाओं इत्यादि के महत्व से परिचय छात्रों की भाषिक योग्यता में वृद्धि होती है। भाषा को प्रभावी ढंग से इस्तेमाल करने में मदद करना छात्रों के अभिव्यक्ति कौशल में वृद्धि होती है। छात्रों की भाषिक योग्यता में वृद्धि होती है।

<p>JULY</p>	<p>वसंत - 5-क्या निराश हुआ जाए 6-यह सबसे कठिन समय नहीं</p> <p>हिंदी व्याकरण - 3-उपसर्ग 4-प्रत्यय रचनात्मक लेखन - 4-पत्र लेखन</p>	<ul style="list-style-type: none"> जीवन में कभी भी निराश ना होने की सीख ,आशावादी ,सकारात्मक सोच एवं परिश्रम की सीख जीवन में कभी भी निराश ना होने की सीख ,आशावादी ,सकारात्मक सोच एवं परिश्रम की सीख भाषा की शुद्धता और सुंदरता को बनाए रखना भाषा की नियमबद्ध प्रकृति को समझना और उसका विश्लेषण करना भाषा को प्रभावी ढंग से इस्तेमाल करने में मदद करना छात्रों के अभिव्यक्ति कौशल में वृद्धि होती है।
<p>AUGUST</p>	<p>वसंत - 7-कबीर की साखियाँ</p> <p>8-सुदामा चरित</p> <p>हिंदी व्याकरण - 5-विशेषण एवं उसके भेद 6- विलोम एवं पर्यायवाची शब्द रचनात्मक लेखन - 5-विज्ञापन लेखन 6-संवाद लेखन</p>	<ul style="list-style-type: none"> भारतीय चिंतन परंपरा की समझ विकसित करना ,भारतीय संत परम्परा से अवगत होना सच्ची मित्रता की परख ,स्वाभिमान की भावना एवं उच्च आदर्शों की प्राप्ति, स्वार्थ की भावना का त्याग भाषा की नियमबद्ध प्रकृति को समझना और विशेषण की परिभाषा भेद का ज्ञान प्राप्त करना विपरीत एवं सामान अर्थ प्रकट करने वाले शब्दों का ज्ञान छात्रों की बौद्धिक गहराई की जाँच करना' छात्रों के अभिव्यक्ति कौशल में वृद्धि होती है। छात्रों की भाषिक योग्यता में वृद्धि होती है।
<p>HALF YEARLY EXAMINATION (23 AUGUST 2024 to 9 SEPTEMBER 2024)</p>		
<p>SEPTEMBER</p>	<p>वसंत - 9-जहाँ पहिया है</p> <p>10सूर के पद</p> <p>हिंदी व्याकरण - 7-मुहावरे 8-लोकोक्ति</p>	<ul style="list-style-type: none"> समय के साथ परिवर्तन की सीख ,महिलाओं की स्वतंत्रता एवं स्वछंदता की सीख ,त्याग ,परिश्रम ,एवं सहस का परिचय भारतीय चिंतन परंपरा की समझ विकसित करना ,भारतीय संत परम्परा से अवगत होना मुहावरा एवं लोकोक्ति के भेद का ज्ञान

	रचनात्मक लेखन - 7-चित्र वर्णन	<ul style="list-style-type: none"> भाषा को प्रभावी ढंग से इस्तेमाल करने में मदद करना छात्रों के अभिव्यक्ति कौशल में वृद्धि होती है।
OCTOBER	वसंत - 11-बाज़ और साँप हिंदी व्याकरण - 9-अनेक शब्दों के लिए एक शब्द 10-समास	<ul style="list-style-type: none"> बहादुरी ,साहस ,स्वतंत्रता ,संघर्ष सकारात्मक विचारों का ज्ञान अनेक अर्थ प्रकट करने वाले शब्दों का ज्ञान भाषा की नियमबद्ध प्रकृति को समझना और उसका विश्लेषण करना भाषा के व्याकरण संगत रूप को सुरक्षित रखना
NOVEMBER	वसंत - 12-पानी की कहानी हिंदी व्याकरण - 11-संज्ञा 12-सर्वनाम रचनात्मक लेखन - पत्र लेखन	<ul style="list-style-type: none"> जल निर्माण एवं जीवन चक्र को मनोरंजक एवं ज्ञानवर्धक ढंग से जानना भाषा की नियमबद्ध प्रकृति को समझना और उसका विश्लेषण करना भाषा को प्रभावी ढंग से इस्तेमाल करने में मदद करना छात्रों के अभिव्यक्ति कौशल में वृद्धि होती है। छात्रों की भाषिक योग्यता में वृद्धि होती है।
DECEMBER	वसंत - 13 -अकबरी लोटा हिंदी व्याकरण - 13 -क्रिया रचनात्मक लेखन - विज्ञापन लेखन	<ul style="list-style-type: none"> साहस एवं बुद्धि के माध्यम से कठिन परिस्थितियों का सामना करने की सीख क्रिया के भेद ,परिभाषा एवं प्रयोग का ज्ञान छात्रों के अभिव्यक्ति कौशल में वृद्धि होती है। छात्रों की भाषिक योग्यता में वृद्धि होती है।
JANUARY- FEBRUARY	REVISION FOR ANNUAL EXAMINATION	

SUBJECT-SANSKRIT

TEXTBOOKS:

1. दिव्यांजलि: - संस्कृत पाठमाला - 2
2. क□□□□ - संस्कृत व्याकरण तथा रचना- 8

MONTHS	UNIT/ CHAPTER / TOPIC	LEARNING OUTCOMES
APRIL	पाठः 1 मूर्खः अनुचरः 1. धातुरूपम् - गम् अस् , शब्दरूपम् - राम नदी ,	<ul style="list-style-type: none"> पदानाम् अर्थाः धातवः च एतेषां ज्ञानं भविष्यति ।
JUNE	पाठः 2 नीतिश्लोकः सन्धिः - दीर्घः, वृद्धिः, गुणः	<ul style="list-style-type: none"> नीतिश्लोकस्य महत्त्वस्य विषये ज्ञानम् भविष्यति । छात्राणां सन्धिं विषयकं ज्ञानं भविष्यति।
	पाठः 4 स्वास्थ्यचक्रम् अव्ययः - अत्र, तत्र, कुत्र, सवतत्र, अद्य अधुना, ह्यः, श्वः, पुरा, यदा कदा, तदा, , अपि, च् किमर्थम्, एकदा, सर्वदा, यदि, इतस्ततः, सम्प्रति	<ul style="list-style-type: none"> लङ्लकारस्य वाक्येषु प्रयोगः । जनानां स्वास्थ्यविषये ज्ञानम् । अव्ययपदानां वाक्येषु प्रयोगं करिष्यन्ति।
JULY	पाठः 5 अतिलोभः न कर्तव्यः शब्दरूपम् - अस्मद् तीर्णो)किम्, (लिंगं समय लेखनम्	<ul style="list-style-type: none"> लोभः न कर्तव्यः इति विषये ज्ञानं भविष्यति शब्दरूपाणां वाक्येषु प्रयोगं करिष्यन्ति।
	पाठः 6 तुलसीपादस्य आत्मकथा धातुरूपम् - पठ्, लिख्, कृ, सेव संख्या - 1 -50	<ul style="list-style-type: none"> लोट् लकारे वाक्यनिर्माणम् चरित्रं निर्माणं भविष्यति। धातुरूपाणां वाक्ये प्रयोगं करिष्यन्ति।
AUGUST	पाठः 8 पुनर्मुषको भवः उपपद विभक्ति द्वितीया, रक्ष) निकषा, धिक्, प्रति, विनातृतीया () सह, अलम्, विना) अपठित गद्यांश चित्र वर्णनम् पत्रपूर्तिम् संवादपूर्तिम्	<ul style="list-style-type: none"> लोट्लकारस्य मध्यम - । वाक्यनिर्माणम् च उत्तमपुरुषे व्याकरणस्य प्रयोगं करिष्यन्ति । चित्रेण वाक्यस्य वर्णनं करिष्यन्ति।
HALF YEARLY EXAMINATION (23 AUGUST 2024 to 9 SEPTEMBER 2024)		
SEPTEMBER	पाठः 9 दीपावली उत्सवः चित्रधारितवर्णनम्, निबन्धरचना	भारतीय उत्सवविषयकं ज्ञानलाभः । दीपावलीविषयकं ज्ञानलाभं च भविष्यति ।
	पाठः 10 - विद्यायाः महत्त्वम्	<ul style="list-style-type: none"> विद्याविषयकं छात्राणां ज्ञानलाभः भविष्यति।

	व्याकरणम्- प्रत्ययः ,समास प्रकरणम्	प्रत्ययस्य वाक्ये प्रयोगः करिष्यति।
OCTOBER	पाठः 11 दुर्जनः परदोषाणाम् दर्शने कुशलो महान् अपठित गद्यांशः , वाक्यनिर्माणम्	<ul style="list-style-type: none"> दुर्जनस्य परित्यागः विषये ज्ञानं भविष्यति । दुर्जनजनाः सर्वदा परित्यज्याः । छात्राः स्वयं वाक्यनिर्माणं करिष्यन्ति
	पाठः 12 अस्माकम् पर्यावरणं प्रदूषणम् च शब्दरूपम् , धातुरूपम् च	पर्यावरणस्य ज्ञानलाभः भविष्यति । पर्यावरणस्य विभागः च करिष्यन्ति।
NOVEMBER	पाठः 14 फ्रांसदेशे देवभाषा संस्कृत भाषा वाक्यनिर्माणम् , कृत्यप्रत्ययः , अशुद्धिसंशोधनम्	देवभाषा संस्कृतम् – अस्मिन् विषयकं ज्ञानलाभः भविष्यति । देवभाषा संस्कृतम् इति विषये निबन्धरचनां करोतु ।
JANUARY FEBRUARY	REVISION FOR ANNUAL EXAMINATION	

SUBJECT-ODIA

TEXTBOOKS:

1. Odia – Odia Sahityaka for Class- VIII - NCERT Publication (Govt of Odisha)

MONTHS	UNIT/ CHAPTER / TOPIC	LEARNING OUTCOMES
APRIL	Ch- 1 ବୃକ୍ଷ ମାହାତ୍ମ୍ୟ(କବିତା)	ବୃକ୍ଷର ଉପକାରିତା ବିଷୟରେ ଜାଣିବେ ।
	Ch-6 ରୋଗୀ ସେବା (ଗଦ୍ୟ)	ଛାତ୍ର ଜୀବନରେ ସେବା ଧର୍ମ ବିଷୟରେ ଜାଣିବେ ।
JUNE	Ch-2 ଉଦ୍ ବୋଧନ (ପଦ୍ୟ)	ଜାଗରଣ ନିମିତ୍ତେ ଉତ୍ସାହ ବାଣୀ ପାଇ ପାରିବେ ।
	ବ୍ୟାକରଣ- ଭାଷା ପରିଚୟ	ଓଡ଼ିଆ ଭାଷା ବିଷୟରେ ଅବଗତ ହେବେ ।
JULY	Ch-3 ଶିକ୍ଷା ଦିକ୍ଷା (ପଦ୍ୟ)	ପିତା ପୁତ୍ର ସ୍ନେହ ଭାବ ,ପିତୃଭକ୍ତି ବିଷୟରେ ଅବଗତ ହେବେ ।
	ବ୍ୟାକରଣ – ଦ୍ୱିତୀୟ ଅଧ୍ୟାୟ	ଧ୍ୱନି , ଲିପି , ବର୍ଣ୍ଣ
	Ch-7 ଗୁରୁ ଶିଷ୍ୟ ସମ୍ପର୍କ(ଗଦ୍ୟ)	ଶିଷ୍ୟମାନଙ୍କ ଗୁରୁ ପ୍ରତି ଥିବା ସମ୍ମାନ ଭାବନା ବିଷୟରେ ଜାଣିବେ ।

AUGUST	Ch-10 ବୋଲଞ୍ଜାନିକ ମନୋବୃତ୍ତି (ଗଦ୍ୟ) ବ୍ୟାକରଣ – ଶବ୍ଦ	ବିଜ୍ଞାନ ସମନ୍ଧାୟ ଡଥ୍ୟ ଓ ବୋଲଞ୍ଜାନିକ ଦୁଷ୍ଟି କୋଣ ନେଇ ପ୍ରତିଟି କଥା କୁ ବିଶ୍ୱାସ କରିବା ଜାଣିବେ ।
HALF YEARLY EXAMINATION (23 AUGUST 2024 to 9 SEPTEMBER 2024)		
SEPTEMBER	Ch-11 ଚେକ୍ ଆଡକ୍ (ଗଦ୍ୟ) ବ୍ୟାକରଣ –ପଦ ପରିଚୟ	ଅନ୍ୟ ବିଶ୍ୱାସ କଥାକୁ ବିଶ୍ୱାସ ନ କରି ସତ୍ୟା ସତ୍ୟ ଉପରେ ବିଶ୍ୱାସ ରଖିବେ । ବିଶେଷ୍ୟ ପଦ , ସର୍ବନାମ ପଦ
OCTOBER	Ch-4 ଜାତୀୟ ପତାକା(ପଦ୍ୟ)	ଜାତୀୟ ପତାକାର ସମ୍ମାନକୁ ବଜାୟ ରଖିବେ ।
	ବ୍ୟାକରଣ – ପଦ ପରିଚୟ	ବିଶେଷଣ ପଦ , କ୍ରିୟା ପଦ ,ଅବ୍ୟୟ ପଦ
NOVEMBER	Ch-13 ଦଶହରା ଭେଟି (ଗଳ୍ପ)	ଗରିବ ମାନଙ୍କ ଉପରେ ଦୟାଶୀଳ ହେବା ଓ ଧର୍ମ କାର୍ଯ୍ୟ ରେ ନିଜକୁ ଲିପ୍ତ ରଖିବା ଜାଣିବେ ।
	ବ୍ୟାକରଣ – ବାକ୍ୟ	ସରଳ , ଜଟିଳ , ଯୌଗିକ ବାକ୍ୟ
DECEMBER	Ch-5 ବଣିଷ୍ଠ ଓ ବିଶ୍ୱାମିତ୍ର (ପଦ୍ୟ) 15 ଆହୁତି(ଏକାଙ୍କିକା)	ଗର୍ବମଣିଷର ବୁଦ୍ଧି ଓ ବିବେକକୁ ନଷ୍ଟକରିଦିଏ ,ତାହା ବିଶ୍ୱାମିତ୍ର ରୁଷିଙ୍କ ଚରିତ୍ର ମାଧ୍ୟମରେଜାଣିବ ଅର୍ଥ ଲୋଭ ମଣିଷର ମାନବିକତା ଗୁଣକୁ ଦୂରକରି ଦେଇଥାଏ ଓ ମଣିଷକୁ ପଶୁ ତୁଲ୍ୟ କରିଥାଏ ସେ ବିଷୟରେ ଜାଣିବେ ।
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SUBJECT-MATHEMATICS

TEXTBOOKS:

1. Mathematics - Textbook for class VIII - NCERT Publication
2. Mathematics exemplar problems for class VIII, NCERT publication

MONTHS	UNIT/ CHAPTER / TOPIC	LEARNING OUTCOMES
APRIL	Chapter-1 Rational Numbers	Students will be able to <ul style="list-style-type: none"> • Describe properties of rational numbers and express them in general form. • Understand the closure, commutativity, associativity, additive identity and inverse.

	Chapter-2 Linear Equation in One Variable	<ul style="list-style-type: none"> Understand the form of a linear equation in one variable and the meaning of solution. Recall the concept of variables, constants and equation Find the solution of given linear equation in one variable.
JUNE	Chapter-3 Understanding Quadrilaterals	<ul style="list-style-type: none"> Understand the concept of Diagonals, Convex and Concave Polygons, Regular and Irregular Polygons. Apply the concept of Angle Sum Property of quadrilateral; Sum of the Measures of the Exterior Angles of a Polygon. Identify the different kinds of quadrilateral and its properties
JULY	Chapter-4 Data Handling	<ul style="list-style-type: none"> Identify, understand and deal with: different types of charts. line graphs. pie charts and percentages. Data representation by means of charts and graphs. classification of real data.
	Chapter-5 Squares and square roots	<ul style="list-style-type: none"> Understand the concept of square and square root to students. Able to calculate the square and square root of a number. <p>Understand the practical applications of squares and square roots.</p>
AUGUST	Chapter-6 Cubes and cube roots	<p>Students will be able to</p> <ul style="list-style-type: none"> Define cube and cube root. Find the cube of the given number Find the cube root of the given number Solve problems related to cube and cube roots
	Chapter 8 Algebraic Expressions and Identities	<ul style="list-style-type: none"> Understand and use algebraic expressions and their components. Perform operations on algebraic expressions.
HALF YEARLY EXAMINATION (23 AUGUST 2024 to 9 SEPTEMBER 2024)		
SEPTEMBER	Chapter 9 Mensuration	<ul style="list-style-type: none"> Calculate the area of polygons. Calculate the surface area and volume of 3D shapes. Solve real-life problems involving area, surface area, and volume.
	Chapter 10 Exponents and Powers	<ul style="list-style-type: none"> Understand and apply the laws of exponents. Express large numbers in standard form using exponents.
OCTOBER	Chapter 11 Direct and Inverse Proportions	<ul style="list-style-type: none"> Understand and identify direct and inverse proportion relationships. Solve problems involving direct proportion (e.g., unitary method). Solve problems involving inverse proportion.
NOVEMBER	Chapter 12 Factorisation	<ul style="list-style-type: none"> Understand and apply methods of factorization. Simplify algebraic fractions using factorization

	Chapter 7 Comparing Quantities	<ul style="list-style-type: none"> • Understand the concept of ratios and proportions. • Solve problems involving percentages, including profit and loss, discount, and simple interest. • Apply the concepts of compound interest and its applications.
DECEMBER	Chapter 13 Introduction to Graphs	<ul style="list-style-type: none"> • Understand and interpret different types of graphs (bar graphs, histograms, line graphs). • Plot points on a Cartesian plane. • Draw and interpret linear graphs.
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SUBJECT-GENERAL SCIENCE

TEXTBOOKS:

1. Science - Textbook for Class - VIII - NCERT Publication

2. Science exemplar problems for Class - VIII, NCERT publication

MONTHS	UNIT/ CHAPTER / TOPIC	LEARNING OUTCOMES
APRIL	Ch-1 Crop Production and Management	Enable students to <ul style="list-style-type: none"> • Classify Kharif and Rabi crop. • Make efforts to protect environment by controlled use of pesticides. • Apply learning of scientific concept in increasing crop production
	Ch3-Coal and Petroleum	Enable students to <ul style="list-style-type: none"> • Differentiate between exhaustible and inexhaustible natural resources. • Learn making use of resources judiciously
JUNE	Ch3-Coal and Petroleum (Contd.....)	Enable students to <ul style="list-style-type: none"> • Differentiate between exhaustible and inexhaustible natural resources. • Learn making use of resources judiciously
	Ch 4-Combustion and Flame	Enable students to <ul style="list-style-type: none"> • Study different types of combustion. • Find out different methods to control fire. • Identify the different zones of candle flame. • Explore the characteristics of good fuel.
JULY	Ch 6- Reproduction In Animals	Enable students to <ul style="list-style-type: none"> • understand male and female reproductive system. • Differentiate between oviparous and viviparous animals.
	Ch 8- Force & Pressure	Enable students to <ul style="list-style-type: none"> • Study the effects of force. • Classify the different forces as contact and non-contact forces.

		<ul style="list-style-type: none"> Learn scientific concepts through activities that “Liquid Pressure increases with depth”. Improve numerical skills
	Ch 9- Friction	Enable students to <ul style="list-style-type: none"> Applies scientific concept of increasing or reducing friction. Understand friction is boon as well as evil in daily life. Know all the types of friction.
AUGUST	Ch 10- Sound	Enable students to <ul style="list-style-type: none"> Study how sound is produced. Know that sound needs a medium for propagations. Understand how sound is produced in human beings.

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SEPTEMBER	Ch2- Microorganisms Friend and Foe	Enable students to <ul style="list-style-type: none"> identify various microorganisms and their structure. Aware of the harms and the benefits of microorganisms. Appreciate the importance of microbes in industries like alcohol, wine, bread, bakery.
	Ch5- Conservation of Plants and Animals	Enable students to <ul style="list-style-type: none"> understand the factors affecting the need to find sustainable practices for production of food, feed and fiber crops and how to implement them. apply knowledge to solve problems related to wildlife conservation and management.
OCTOBER	Ch7- Reaching the Age of Adolescence	Enable students to <ul style="list-style-type: none"> Know about different endocrine glands and their function. Learn about changes during puberty. Aware of adolescent problems. Relate their concepts with puberty and adolescence.
NOVEMBER	Ch 11: Chemical effects of electric current	Enable students to <ul style="list-style-type: none"> Differentiate between conductors and insulators. Know whether a given solution is conducting electricity using a tester. Study Electrolytes of water. Explore and study the process of electroplating + its applications.
	Ch. 12 - Some Natural Phenomena	Enable students to <ul style="list-style-type: none"> Learn about electric charge and its transfer from one object to another. learn about the interaction about two charged objects.
DECEMBER	Ch. 12 - Some Natural Phenomena (Contd.....)	Enable students to <ul style="list-style-type: none"> Learn about electric charge and its transfer from one object to another. learn about the interaction about two charged objects. precautionary and safety measures to be taken during natural calamities
	Ch. 13- Light	Enable students to <ul style="list-style-type: none"> Study laws of reflection. Understand the concept of formation of multiple images.

		<ul style="list-style-type: none"> • Know how human eye works and how to take care of eyes. • Understand Braille system.
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SUBJECT-SOCIAL STUDIES

TEXTBOOKS:

HISTORY: Our Pasts-III

GEOGRAPHY: Resources and Development

SOCIAL AND POLITICAL LIFE: Social and Political Life– III

MONTHS	UNIT/ CHAPTER / TOPIC	LEARNING OUTCOMES
APRIL	History Ch-1 How, When and where?	Enable students to <ul style="list-style-type: none"> • Familiarize with the importance of chronological order in the study of historical events.
	Geography Ch-1 Resources	Enable students to <ul style="list-style-type: none"> • Know about different types of resources available on the earth. • Understand the importance of resource conservation.
	Civics Ch-1 The Indian Constitution	Enable the students <ul style="list-style-type: none"> • To give an insight into some aspects of the Constitution.
JUNE	History Ch-2 From Trade to Territory	Enable students to <ul style="list-style-type: none"> • Learn about the outstanding personalities remembered for their contribution
	Geography Ch-2 Land, soil, water, natural vegetation and wildlife resources	Enable students <ul style="list-style-type: none"> • To get an elaborate view of natural resources.
	Civics Ch-2 Understanding Secularism	Enable students <ul style="list-style-type: none"> • To provide knowledge on one of the most crucial pillars to support democracy.
JULY	History Ch-3 Ruling the Countryside	Enable students to <ul style="list-style-type: none"> • Understand that British Raj established their strong hold on Indian land through the system of zamindars who exploited the poor peasants.
	Geography Ch-3 Agriculture	Enable the students to <ul style="list-style-type: none"> • Understand and analyse the relationship between inputs and outputs in the agricultural fields and make effective decisions.
	Civics Ch-3 Parliament and the Making of Laws	Enable the students <ul style="list-style-type: none"> • To get the required knowledge on Parliament and how it is considered the single most crucial pillar to support democracy

AUGUST	History Ch-4 Tribals, Dikus and the Vision of a Golden Age	Enable students <ul style="list-style-type: none"> To throw light into the various tribal movements and uprisings brought on by the exploitations of the British rule.
	Civics Ch 4 Judiciary	Enable students <ul style="list-style-type: none"> To understand about the body of government responsible for making and upholding laws for smooth and unbiased functioning of the democratic system
HALF YEARLY EXAMINATION (23 AUGUST 2024 to 9 SEPTEMBER 2024)		
SEPTEMBER	History Ch-5 When People Rebel 1857 and after	Enable students to <ul style="list-style-type: none"> Understand the events of first struggle for independence.
	Geography Ch-4 Industries	Enable students <ul style="list-style-type: none"> To familiarise with the importance of manufacturing. To learn how primary products are processed in industries. To understand how industries add value to the products.
	Civics Ch-5 Understanding Marginalisation	Enable students to <ul style="list-style-type: none"> Understand the existence and expression of social diversity in democracy. Be aware about the provisions made in the constitution for schedule caste, schedule tribe and other backward classes.
OCTOBER	History Ch-6 Civilising the Native, Educating the nation	Enable students to <ul style="list-style-type: none"> Know about the tradition of orientalism. Analyse Gandhian philosophy and Tagore’s view towards education
	Civics Ch-6 Confronting Marginalisation	Enable students to <ul style="list-style-type: none"> Know about various provisions to protect the socially and economically marginalised section such as Dalits, Muslims etc.
NOVEMBER	History Ch-7 Women, Caste & Reform	Enable students to <ul style="list-style-type: none"> Develop an understanding of the situation of girls, widows and Dalits before independence and how they struggle for their rights.
	Geography Ch-5 Human Resources	Enable students to <ul style="list-style-type: none"> Describe different terms such as population growth, birth rate, death rate, migration etc. Know the trend of population growth.
	Civics Ch-7 Public Facilities	Enable students to <ul style="list-style-type: none"> Know about contribution of government in providing different public facilities.
DECEMBER	History Ch-8 The Making of the National Movements 1870s-1947	Enable students to <ul style="list-style-type: none"> Understand the development of the concept of nationalism. Know about different movements that led to India’s independence.
	Civics Ch- 8 Law and Social Justice	Students will be able to <ul style="list-style-type: none"> Understand different laws to protect labours, producers, consumers and environment.
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SUBJECT-COMPUTER

TEXTBOOKS:

IT Planet- Streaming without Buffering

MONTHS	UNIT/ CHAPTER / TOPIC	LEARNING OUTCOMES
APRIL	Ch-1 Computer Network	Student will learn about <ul style="list-style-type: none"> • Communication, Computer Network, Types of Network, Network Hardware, Communication Channel, Network Architecture, Network Topology, Protocol.
JUNE	Ch-2 Access- Creating a Database	Student will learn about <ul style="list-style-type: none"> • Database, MS Access, Starting Access 2016, Project: Dance Class database, creating a Blank Database, creating new Table, Adding Records to a table.
JULY	Ch-3 Access- Tables and Forms	Student will learn about <ul style="list-style-type: none"> • Working with Database table, Filtering Data, Creating Relationship between Tables, Creating Forms.
	Ch-4 Access- Query and Report	Student will learn about The Query, creating a Query, Understanding Query Options, Using Criteria in Query, Sorting Data in a Query, Creating a Report.
AUGUST	Ch-5 Inkscape- Vector Designing	Student will learn about <ul style="list-style-type: none"> • Introduction, Drawing Shape, Working with Objects, defining outline, Selecting Fill Colours, Zooming In and Out, Working with Curves, Creating Text, Project: Wi-Fi- Signal in a Tablet, Saving the Project.
HALF YEARLY EXAMINATION (23 AUGUST 2024 to 9 SEPTEMBER 2024)		
SEPTEMBER	Ch-6 Cloud Computing	Student will learn about <ul style="list-style-type: none"> • Introduction, Cloud Computing, Google Docs, Google Drive.
	Ch-7 Google Apps	Student will learn about <ul style="list-style-type: none"> • Introduction to Google, For Surfing and Research, For Staying in Touch, For Organizing your Stuff, For Working Smartly, For Watching, Listening and playing, Google Devices.
OCTOBER	Ch-8 App Development	Student will learn about <ul style="list-style-type: none"> • Introduction to App, Android and iOS, Types of Apps, Categories of Apps, Working of Apps, Developing an App.
NOVEMBER	Ch-9 Python- Introduction	Student will learn about <ul style="list-style-type: none"> • Programming Language, Introduction to Python, Character Set, Token, Comments, Statements, Data Types, Variable, Defining input and Output in Python, Error Handling in Python, and Program in Python.
DECEMBER	Ch-10 Python- Control Structure	Student will learn about <ul style="list-style-type: none"> • Control Structures, Conditional Control Structure, Loop Control Structure, Break Statement, Continue Statement.

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SUBJECT- GENERAL KNOWLEDGE

TEXTBOOKS:

1. Do You Know 8, Author- Urmi Chakraborty, Dayita Datta, Sucharita Basu Kasturi, Publication- Cambridge University Press 2023.

MONTHS	UNIT/ CHAPTER / TOPIC	LEARNING OUTCOMES
APRIL	Lesson 1- My Country	<ul style="list-style-type: none">• Know about old and new names of famous Indian cities, ancient Indian texts and Indian crafts.• Know about different facts of Indian Judiciary system.
JUNE	Lesson 2- Around the World	<ul style="list-style-type: none">• Know about different currencies used by different countries.• Identify skyscrapers, step pyramids, famous museums and colourful cities of the world.
JULY	Lesson 3- Environment and the World of Science	<ul style="list-style-type: none">• Know about various terms related to surgery.• Identify famous scientist and their valuable inventions.
	Lesson 4- The World of Plants and Animals	<ul style="list-style-type: none">• Identify animals possessing shells which act as a natural defense.• Know about various unusual plants.
AUGUST	Lesson 5- Art and Literature	<ul style="list-style-type: none">• Identify famous literary detectives and famous painters.• Identify the various personalities who won Nobel Prizes from different fields.
HALF YEARLY EXAMINATION (23 AUGUST 2024 to 9 SEPTEMBER 2024)		
SEPTEMBER	Lesson 6- Grammar and Language	<ul style="list-style-type: none">• Know about the difference between British and American English.• Identify active and passive voice sentences, silent alphabets in different English wordings and Mythological allusions.
OCTOBER	Lesson 7- Sports and Games	<ul style="list-style-type: none">• Identify sportspersons, their sport and autobiographies.• Identify Olympic winners from different fields, Indian cricketers and games based on the story of their origin.
NOVEMBER	Lesson 8- Moral Values and Life Skills	<ul style="list-style-type: none">• Able to know about some beliefs that successful people implement in their lives to rise after a failure.• Know about the facts of Ayurveda and methods to keep ourselves safe by being alert and confident.
DECEMBER	Lesson 9- Mind Games	<ul style="list-style-type: none">• Able to solve basic logical reasoning questions, blood relation problems, number grid problems and basic mathematical reasoning questions.
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SUBJECT-ART & CRAFT

MONTH	TOPIC	LEARNING OUTCOMES
APRIL	Basic Fundamental Course in Visual Art Model study-Portrait study- water color	<ul style="list-style-type: none"> Students will learn different Drawing technique and process like, proportion, perspective, shading and blending Understand the color code value. Learning Human drawing technique and process.
JUNE	Model study-portrait study- water color Final art work (Contd.....)	<ul style="list-style-type: none"> Students will learn Drawing technique and process like, proportion, perspective, shading and blending techniques. Understand the color code value. Learning Human drawing technique and process.
JULY	Textile-tie and dye -basic steps	<ul style="list-style-type: none"> Student will Learn basic textile art technique. learn tie and dye technique. Develop creative mind.
AUGUST	Independence Day Decoration	<ul style="list-style-type: none"> Basic craft technique with mixed media Develop the spirit of Team work develop fine motor skill.
SEPTEMBER	Clay modeling- Basic steps Mask making with paper clay- step by step	<ul style="list-style-type: none"> To understand how to create a 3D form in visual art. Basic modeling technique with mixed media. To develop artistic mind.
OCTOBER	3D art on canvas-ancient temple in India.	<ul style="list-style-type: none"> To understand how to create a 3D form in visual art. Basic modeling technique with mixed media. To create the 3D canvas art.
NOVEMBER	Sports Day Decoration Annual Carnival Decoration	<ul style="list-style-type: none"> To develop Decoration idea. Basic modeling technique with mixed media. To develop artistic mind.
DECEMBER	Annual Day Decoration	<ul style="list-style-type: none"> Student will Learning Decoration idea. To understand Material and it is use. Basic craft technique with mixed media

SUBJECT-MUSIC

MONTHS	UNIT/ CHAPTER / TOPIC	LEARNING OUTCOMES
APRIL	1. Welcome song 2. Prayer song (Itni Shakti hume dena data) with instruments	<ul style="list-style-type: none"> Enable to practice different values such as, cooperation, team work, sharing, empathy, discipline, compassion & respect for diversity To develop In-tune singing skills
JUNE	Notation of Teentaal, Ektaal & Dadra	<ul style="list-style-type: none"> Enable to Identify different rhythm
JULY	Raag Kalavati – (Aaroh-avroh, vistar, bandish & taan)	<ul style="list-style-type: none"> classifies varied types of musical instruments. perform varied patterns of notes in different Ragas and rhythmic structures in different talas

AUGUST	Patriotic song Practice	<ul style="list-style-type: none"> To develop Patriotism To develop Theatrical Knowledge
SEPTEMBER	Rakshabandhan Song preparation	<ul style="list-style-type: none"> To develop Theatrical Knowledge & Creativity
OCTOBER	Diwali song preparation	<ul style="list-style-type: none"> classifies different styles of singing and categories of musical instruments Develop Rhythm skill
NOVEMBER	National Anthem with instruments preparation	<ul style="list-style-type: none"> Help to build Team Work Develop Rhythm Skill
DECEMBER	Annual day practices	<ul style="list-style-type: none"> classifies different styles of singing and categories of musical instruments Develop Rhythm skill & Team Work

SUBJECT- DANCE

MONTHS	TOPIC	LEARNING OUTCOME
APRIL	1. Basic Steps of Bharatnatyam Visharu adavu 1 to 4 2. Basic Steps of Bharatnatyam Kuditamitta adavu no 1 to 3	<ul style="list-style-type: none"> Students will be able to practice steps 1 to 4 of Bharatnatyam's Visharu adavu, To develop coordination, grace, and a deeper understanding of the dance's cultural and artistic nuances. Students will be able to practice basic steps of Bharatnatyam's Kuditamitta adavu, specifically steps 1 to 3, through detailed practice and rhythmic coordination.
JUNE	1. Recapitulation Bharatnatyam Visharu adavu 1 to 4 2. Practice basic hand movement	<ul style="list-style-type: none"> Students will be able to recapitulation of Bharatanatyam's Visharu adavu steps 1 to 4 learners deepened their understanding of rhythmic patterns with music.
JULY	1. Basic steps of Bharatnatyam pakka Aadavu no 1 to 7 2. Contemporary dance basic steps	<ul style="list-style-type: none"> Students will be able to practice basic steps of Bharatnatyam's Pakka Aadavu from steps 1 to 7, To demonstrate proficiency in foundational movements essential for classical dance performance.
AUGUST	1. Introduction of patriotic dance 2. Patriotic dance preparation	<ul style="list-style-type: none"> To develop a deeper appreciation for country's culture and history.
SEPTEMBER	1. Shastri & Gandhi dance preparation 2. Adi Tal Practice 3. Filmy dance basic steps	<ul style="list-style-type: none"> Students will demonstrate proficiency in Adi Tal through regular practice sessions, showcasing rhythmic accuracy and fluency in tabla or percussion performance.
OCTOBER	1. Diwali dance preparation 2. Basic Steps of folk ance	<ul style="list-style-type: none"> Students will be able to learn coordination and teamwork through organizing Diwali dance preparations, fostering a sense of community and cultural celebration
NOVEMBER	1. Sports Day dance preparation	<ul style="list-style-type: none"> Preparation for sports Day culminate a lively performance showcasing their dedication and creativity.

DECEMBER	1. Annual Day Practices	<ul style="list-style-type: none"> To cultivate teamwork, discipline and creativity among students
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PHYSICAL EDUCATION

MONTH	TOPIC	LEARNING OUTCOME
APRIL	Volleyball 1. History, Its Basic Rules and Regulation 2. Under Hand Pass 3. Under Hand 4. Overhead Passing Olympics Flags and Olympic Motto	<ul style="list-style-type: none"> Understanding the origins and evolution of volleyball as a sport. Mastery of the fundamental technique of using the underhand pass to control and direct the ball. Proficiency in performing overhead passes to accurately set the ball for attacking shots. Application of strategic decision-making in choosing when and how to utilize overhead passing techniques during gameplay.
JUNE	Sports Personalities 1. P.V Sindhu 2. Milkha Singh 3. Neeraj Chopra	<ul style="list-style-type: none"> Learn about her journey as an Olympic badminton player, her training regimen, and the impact of her achievements on Indian sports. Understand his life story, the challenges he overcame, and his legacy as a legendary Indian sprinter. Explore his rise to becoming an Olympic gold medalist in javelin throw, his training methods, and his influence on the field of athletics in India.
JULY	Badminton 1. History, Its Rules and Regulations 2. Measurement of the court 3. Fore hand and back hand drive 4. Forehand Grip	<ul style="list-style-type: none"> Knowledge of the official rules and regulations governing badminton matches. Familiarity with the standard dimensions of a badminton court. Mastering the technique and mechanics of executing a forehand drive in badminton. Understanding the correct grip for executing forehand shots in badminton.
AUGUST	Football 1. History, Its Rules and Regulations of the Game 2. Measurement of the ground 3. Sole Tapping and Heading 4. Kicking one and two touch pass	<ul style="list-style-type: none"> Understanding the history, rules, and regulations of football enhances knowledge of its evolution and gameplay intricacies. Learning the measurement of the ground helps in setting up proper field dimensions for matches and training sessions. Mastering techniques like sole tapping and heading improves ball control and aerial play skills. Practicing one and two-touch passes hones passing accuracy, speed of play, and decision-making on the field.
SEPTEMBER	Kho-Kho 1. History, Its Rules and Regulations of the Game 2. Measurement of the ground 3. Pole Diving 4. Zig Zag Running in Kho Kho Attacker and Defender	<ul style="list-style-type: none"> Memorizing the specific rules and regulations governing gameplay, including player positions, time limits, and scoring. Mastering the techniques and tools used to accurately measure a Kho-Kho ground, including the dimensions of the playing area and the positioning of poles. Learning the proper technique for diving over poles during Kho-Kho matches, focusing on agility, speed, and balance. Understanding the significance of zig-zag running as a defensive strategy in Kho-Kho to evade opponents.
OCTOBER	Athletics 1. Short Distance Race 2. Middle Distance Race 3. Long Distance Race 4. Relay Race	<ul style="list-style-type: none"> Students will demonstrate the ability to execute proper sprinting techniques and pacing strategies in short distance races, enhancing their speed and agility

		<ul style="list-style-type: none"> Learners will develop endurance and pacing skills through training and participating in middle-distance races, improving their overall cardiovascular fitness. Participants will understand teamwork, coordination, and strategy in relay races, fostering collaboration and communication skills within a team setting.
NOVEMBER	Athletics <ol style="list-style-type: none"> Jump-Triple- Jump Jump- Long Jump Jump- High Jump Jump- Pole Vault 	<ul style="list-style-type: none"> Demonstrate proficiency in the techniques and mechanics of the triple jump, including the phases of hop, step, and jump, to achieve maximum distance. Apply correct form and approach strategies in the long jump to improve distance, incorporating speed, take off angle, and landing technique. Execute proper approach, take off, and clearance techniques in the high jump, focusing on bar clearance and form over the bar. Master the skills of pole vaulting, including approach speed, plant technique, and bar clearance, to achieve higher vaults safely and efficiently.
DECEMBER	Athletics <ol style="list-style-type: none"> Throw- javelin Throw Throw- Shot Put Throw- Discus Throw Throw-Hammer Throw 	<ul style="list-style-type: none"> Students will demonstrate proper technique in javelin, shot put, discus, and hammer throws. Students will understand the biomechanics and physics involved in each type of throw. Students will develop strength, coordination, and agility necessary for successful performance in athletics.
JANUARY	Cricket <ol style="list-style-type: none"> History, Its Batting Bowling Practice Wicket Keeping Hand-Eye Coordination 	<ul style="list-style-type: none"> History: Understand the origins and evolution of cricket, including its cultural significance and global spread. Batting: Develop proper batting techniques, including footwork, shot selection, and timing, to enhance performance at the crease. Bowling Practice: Master various bowling styles, such as fast bowling, spin bowling, and swing bowling, to become a versatile and effective bowler. Hand-Eye Coordination: Improve hand-eye coordination through cricket drills and exercises, enhancing overall performance in batting, bowling, and fielding.
FEBRUARY	Basketball <ol style="list-style-type: none"> History, Its Rules and regulations of the game Measurement of the court Chest Pass Double-Dribbling Jump Shot 	<ul style="list-style-type: none"> Understand the historical development of basketball, including its origins and key milestones in its evolution as a sport. Demonstrate knowledge of the rules and regulations governing basketball gameplay, including fouls, violations, and scoring methods. Identify and describe the measurements and dimensions of a standard basketball court, including the key areas such as the free-throw line, three-point line, and the court's overall layout.
MARCH	Yoga and meditation <ol style="list-style-type: none"> Surya Namaskar, 	<ul style="list-style-type: none"> Practicing Surya Namaskar regularly enhances overall body flexibility, promoting better range of motion and reduced risk of injuries. Regular practice of Surya Namaskar can help reduce stress levels by calming the mind, promoting relaxation, and enhancing overall well-being.