

SYLLABUS

CLASS-8

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English

Grammar

Class 8

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Ch.No.	Topic	Listening → Visualisation → Assimilation → Critical thinking	Speaking → Articulation → Extempore → Interactive communication	Reading → Comprehension → Interpretation → Analysis	Writing → Creative writing → Academic writing → Documentation	Explorer's Quest
1.	Safety with Articles Indefinite Article Definite Article Zero Article	 Express with examples something that she/he has heard Carefully visualise the errors while listening and logically correct them Able to retrieve and locate the articles 	 Plan a game Rough discussion of the game before playing it. Correct usage of articles Converse with correct positioning of articles and speech clarity 	 Study and explore to locate details on the subject Gain a clear conception on the topic by reading and solving 'Add to Favourites' Read about the character of interest and imagine oneself as his persona 	 Correct, edit, and proof read Present the work in a legible form in a given time 	The learner explores some marketing products and selects a few of them for advertisement. The learner prepares the advertising punch lines for the selected products and markets it via different mediums.
2.	Rocking with Prepositions • Prepositions : Usage • Prepositions or Adverbs	Recall the prepositionsBrainstormListen to the	 Retrieve the prepositions Recognise its relation with 	 Explore and appreciate the types and usage of prepositions Clarify views by 	 Organise details for new creations Write in accordance with the question put 	The learner goes through the process of making a pinhole camera. She/He as an Instructional

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Ch.No	. Topic	Listening Visualisation Assimilation Critical thinking	Speaking Articulation Extempore Interactive communication	Reading Comprehension Interpretation Analysis	Writing Creative writing Academic writing Documentation	Explorer's Quest
	• Participial Prepositions	discussion of her/his companions Locate and rectify the errors Think critically and possess an eye for detail	another element in clause	reading and solving 'Add to Favourites' Read and appreciate the text thoroughly	up by the peer Submit the work in a neat and comprehensible order	Designer creates instructions on 'How to make a pinhole camera'.
3.	Bonding with Conjunctions Classes of Conjunctions Types of Coordinating and Subordinating Conjunctions Uses of Some Conjunctions	 Listen attentively to conjunctions read out in class Locate the errors while listening and rectify them orally while class discussion 	Focus on different types of conjunctions while discussions	 Brainstorm Read 'Are we compatible' and act in accordance to it. Read and answer the textual based questions 	 Think critically Passage rewriting Creative writing on' Future Mystery, Reading Specialists 'Responsibility' using correct conjunctions Coordinate with peers 	The learner writes down and presents a two minutes 'ON AIR' presentation on the topic which interests her/him.
4.	Puppeteering the Tenses • Present Perfect Continuous Tense	Listen to the sentences read out in the class	Focus on grammatically correct sentences	Read and answer the questions based on the text	 Organise ideas Script writing Write down the	The learner dramatises a real event to make

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Ch.No.	Topic	Listening ✓ Visualisation ✓ Assimilation ✓ Critical thinking	Speaking Articulation Extempore Interactive communication	Reading Comprehension Interpretation Analysis	Writing → Creative writing → Academic writing → Documentation	Explorer's Quest
	 Past Perfect Continuous Tense Future Perfect Continuous Tense 	Visualise the perfect continuous tenses Assimilate the primary three tenses and rules of tenses	while team discussion Construct and speak out sentences as instructed Correct dialogue speaking	Comprehend and appreciate the 'Investigative Journalist' and 'Docudrama Writer' Read the text and identify the perfect continuous tense	textual answers and act according to instructions Coordinate with peers Manage time effectively	docudrama film that is both, educating and entertaining.
5.	Adventure with Verbs • Action Verbs • Linking Verbs • Auxiliary Verbs	 Listen attentively Answer on the basis of listening 	Speak clearly, grammatically correct, fluently and confidently Follow the instructions and speak them out correctly	Read and comprehend the chapter for a clear conception Study 'Novel Writer' and' Acquisitions Editor' for clarity on the topic Answer the textual question after reading	Correct, edit, and proof read Present the work in a clear form in a given time	The learner creates a fictitious or a non fictitious novel.

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Ch.No	o. Topic	Listening Visualisation Assimilation Critical thinking	Speaking Articulation Extempore Interactive communication	Reading → Comprehension → Interpretation → Analysis	Writing → Creative writing → Academic writing → Documentation	Explorer's Quest
6.	Peace with Subject-Verb Agreement Identification of Subject Agreement in Number Agreement in Person	 Listen carefully and visualise the errors Listen attentively to your peers in 'Spin the bottle' 	Speak clearly, fluently and confidently Follow the rules while speaking	 Go meticulously through the poem Read and research to find the details Gain more clarity on the rules of Subject-Verb Agreement Read and solve the textual objectives Song reading and then answering the questions based on it. 	 Correct, edit, and proof read Dialogue writing 	The learner prepares an annual film award ceremony and excels as an MC.
	Celebrating with subordinate clauses Noun Clause: Functions Adjective Clause: Usage	 Visualise and locate the subordinate clauses Listen for errors and rectify 	Arrange her/his thoughts on the given topic Speak fluently with accuracy and	Appreciate the usage of subordinate clauses Read and work out the textual questions	 Slogan writing Correct the incorrect Poster presentation 	The learner create a product of her/h own or chooses a market product. She/He then prepares a PowerPoint

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Ch.No.	Topic	Listening ✓ Visualisation ✓ Assimilation ✓ Critical thinking	Speaking Articulation Extempore Interactive communication	Reading → Comprehension → Interpretation → Analysis	Writing → Creative writing → Academic writing → Documentation	Explorer's Quest
	• Adverb Clause: Types		correct grammar • Share and listen to the ideas of peers	Edit and proof read Understand the role of a 'Spokesperson' and 'Entrepreneur'		Presentation to launch the product
8.	Add flavour with Idiomatic Expressions • Phrasal Verbs • Verb/Adjecti ve + Noun Expressions • Idioms	Visualise the idioms Think critically and listen for details Listen to peers while playing different games	Speak spontaneously Share ideas with peers accompanied by apt expressions	Read and explore the fun of using idioms Differentiate between Phrasal verbs, Verb/Adjective +Noun and idioms Appreciate the usage of idioms Read the 'Scenarist' and 'Humour Columnist'	Idiomatic dialogue writing Composition writing	The learner voices her/his opinions and thoughts as a Humour Columnis by apt usage of idiomatic expressions in newspapers.

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Ch.No	. Topic	Listening → Visualisation → Assimilation → Critical thinking	S K Speaking Articulation Extempore Interactive communication	Reading Comprehension Interpretation Analysis	Writing → Creative writing → Academic writing → Documentation	Explorer's Quest
9.	Dancing with Punctuations Capital Letters Comma Hyphens Em dash En dash	 Visualise the punctuations Listen to the errors and rectify them Differentiate between two differently punctuated sentences 	Speak correctly punctuated sentences	 Recognise and identify the punctuations Edit and proof read the text Read and understand 'Lexicologists' and 'Magazine Editor' 	 Edit and proof reading Dictionary writing 	The learner prepares and presents a skit titled 'Comedy of errors' stressing on the correct usage of pronunciations.
	Beats of Pronunciation Sentence Stress Word Stress	 Listen to the beats and music around you Attentively try to capture the words and syllables Recognise the difference between different stress patterns 	 Intonation and phonetics to be followed while speaking Stress on correct syllable Recognise the change in stress patterns Sing a song with correct stress and pronunciation 	Reckon the usage of stress in pronunciation Learn and differentiate between the different stress patterns Read 'News Anchor' and 'Singer' Read and solve the textual questions	Write with correct stress patterns Present the work in a presentable manner in the given time	The learner presents a Live News programme. She/He interviews famous personalities related to the news and gives recent updates.

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English

Literature

Class 8

Ch.No.	Literature Component	Skills	Learning Outcome
Prose The Little Girl by Katherine Mansfield	Cognitive ability	 Comprehend and acquire knowledge about characters and setting from the story Know about the author by writing a biography Gain better understanding of the story through peer and group work 	
	(Short Story)	• Judgemental ability	 Understand the writer's perspective Present your own perspective through a discussion
		 Cultural sensitivity 	 Perceive the cultural setting of the era through the story Gain better understanding of the story through group work
		Character analysis	 Analyse and interpret the traits of the characters in the story Demonstrate an understanding of the plot and the major characters in t story
		Creative thinking	 Write about the narrative aspect of the story Write an abstract for the story
		Analytical ability	• Comprehend and answer questions based on the story
2.	Poetry The Divine Image by William Blake (Poem)	Emotional sensitivity	 Decipher and comprehend the emotion behind the poem Relate to and identify the poetic voice and feelings Present their own perspective through a graphic organiser Know about the poet and his literary works
		 Expression and intonation 	 Use appropriate body language while reciting the poem Modulate the pitch and volume of the voice

Ch.No.	Literature Component	Skills	Learning Outcome
		Theatrical aptitude	Enact skits, taking care of the pitch, voice modulation, diction and sound effects
		Rhythmic intelligence	 Appreciate and understand the structure and rhyme scheme of the poem Understand the poetic style Compose your own poem
		Critical appreciation	 Comprehend the literal meaning of the poem Appreciate aesthetically the religious aspect of the poem
		Analytical ability	 Interpret the central idea of the poem Comprehend and answer questions based on the poem
Re by	Orama <i>Befund</i> y Frigyes Karinthy Play)	Socio-moral sensibility	 Interpret and compare the social and moral issues presented in the text Know about the author and his literary works Comprehend the context of the play and relate it to the present-day scenari through discussions
		Theatrical aptitude	 Enact the play, taking care of the pitch, voice modulation, diction and soun effects Evaluate each others' performances Enact a skit based on the tools of satire
		Rhythmic intelligence	• Compose your own poem
		Character analysis	Analyse and interpret the traits of the protagonist of the play
		Analytical ability	 Analyse the theme of the play through a debate Understand how arguments are developed and then resolved Comprehend and answer questions based on the play Analyse the play by interpreting it visually

Ch.No.	Literature Component	Skills	Learning Outcome
	Poetry One Inch Tall by Sheldon Allan Silverstein (Poem)	Emotional sensitivity	 Decipher and comprehend the emotion behind the poem Know about the poet's life and literary works through a timeline graphic organiser Relate to and identify the poetic voice and feelings
	(r delli)	 Expression and intonation 	 Use appropriate body language while reciting the poem Modulate the pitch and volume of the voice
		Rhythmic intelligence	 Appreciate and understand the structure and rhyme scheme of the poem Understand the poetic style Compose your own poem using metaphors
		Creative thinking	$\bullet \text{Demonstrate an understanding of the poem and write a metaphorical poem}$
		Critical appreciation	 Comprehend the literal meaning of the poem and write your own poem based on it Appreciate aesthetically the central theme of the poem through a diary entry
		Analytical ability	 Comprehend and answer questions based on the poem Interpret the central idea of the poem
5.	Prose Broken Panes by R K Narayan (Short Story)	Cognitive ability	 Comprehend and acquire knowledge about characters and setting from the story Know about the author and his literary works Gain better understanding of the story through peer and group work
		Judgemental ability	 Understand the writer's perspective Present your own perspective through comparisons and discussions
		Theatrical aptitude	Enact scenes, taking care of the pitch, voice modulation, diction and sound effects
		Cultural sensitivity	 Perceive the cultural setting of the era through the story Gain better understanding of the story through group work

Ch.No. Literature Component	Skills	Learning Outcome
	Creative thinking	 Demonstrate an understanding of the plot and the major characters in the story
	Analytical ability	 Interpret the story and present it visually Comprehend and answer questions based on the story
6. Prose Vikramaditya's Throne by Polle Sengupta (Novel)	Cognitive ability	 Comprehend and acquire knowledge about characters and setting from the text Know about the author and her literary works through designing an interview Gain better understanding of the text through peer and group work
	• Judgemental ability	 Understand the writer's perspective Present your own perspective through a discussion Interpret and analyse a character through the perception of anothe character
	Character analysis	 Analyse and interpret the traits of the characters in the novel
	Cultural sensitivity	 Perceive the cultural setting of the era through the text Gain better understanding of the text through group work
	Creative thinking	 Demonstrate an understanding of the plot and the major characters in the novel Write about the narrative style of the novel
	Analytical ability	 Comprehend and answer questions based on the text
Prose Excerpts from the 'Diary of a Young Girl'	• Cognitive ability	 Comprehend and acquire knowledge about characters and setting from th text Gain better understanding of the text with the help of a game Know more about the author of the diary
by Anne Frank (Diary)	Judgemental ability	 Understand the writer's perspective through the visual mediums of painting and mime shows Present your own perspective of the writer's context and scenario

Ch.No.	Literature Component	Skills	Learning Outcome
		 Theatrical aptitude Cultural sensitivity Creative thinking Analytical ability	 Enact episodes through mime Perceive the cultural setting of the era through the text Gain better understanding of the text through group work Demonstrate an understanding of the plot and the major characters in the text Write about the historical aspect of the text Interpret the tragedy in the text Comprehend and answer questions based on the text
8.	Poetry If by Rudyard Kipling (Poem)	 Emotional sensitivity Character analysis Expression and intonation Rhythmic intelligence Critical appreciation 	 Decipher and comprehend the emotion behind the poem by discussing and writing about the virtues and dignity of a human being Relate to and identify the poetic voice and feelings through a pen portrait Know more about the poet and his literary works Analyse and interpret the traits of the characters in the poem Use appropriate body language while reciting the poem Modulate the pitch and volume of the voice Appreciate and understand the structure and rhyme scheme of the poem Understand the poetic style Comprehend the literal meaning of the poem and write your own poem based
		Analytical ability	on it Appreciate aesthetically the central theme of the poem through paragraph writing Comprehend and answer questions based on the text Interpret the central idea of the poem

हिंदी

व्याकरण

कक्षा 8

च्यान स्थित प्रश्न के प्रकार के प्रकार के प्रकार के प्रकार के प्रश्न के प्रकार के प्रश्न क			The second second second			4,,	
अध्याप सिषय - विश्वासकता - अभिजानिक समान - विश्वच - विश्		BENDERED THE RESIDENCE	ALTERNATION OF THE PARTY OF THE	Control of the Contro	शल		The second second
 श्रामा के प्रकाद के किया करता के क्षेत्र करता के किया करता करता करता करता करता करता क	संख्या		चित्रात्मकताआत्मसात करना	अभिध्यक्ति धगता⇒ तात्कालिक वाचन	• बोधगायता • वितेयता	च गुजनात्मक लेखन च गीविक लेखन	गलीयक संदक्षिक।
व्यंजन सिंध की परिभाषा व नियम विसर्ग सींध की विसर्ग सींध कियाकलायों विसर्ग सींध विसर्ग सींध येथायों विसर्ग सींध की सींध विसर्ग सींध येथायें विसर्ग सींध की सींध विसर्ग सींध विसर्ग सींध येथायें विसर्ग सींध की सींसर्ग सींध येथायें विसर्ग सींध की सींध विसर्ग सी		 भाषा के प्रकार भारतीय संविधान में विवित प्राप्ताएँ भाषा की विशेषताएँ विदो का महत्व सजभाषा और सङ्भाषा में अंतर राजभाषा किंदी का क्षेत्र 	एव जानने योग्य तथ्यो. मुक्तियो आदि को ध्यानपूर्वक मुनना व	करनाव किरी भाषा के समाचार पत्र की मुख्य घटना की प्रभावपूर्ण अधिव्यक्तित	पंत्रभागः ग्रन्थभागः के भंतर को शिश्ततीशतः करनाः • 'किताना गीवा' शीर्षकः गं रिए भागः शंवभी करमा कः गरित्यता होने की जीन करना य अपनी बोभगस्यताः के आभार पर स्वित स्थानों	शच्छी मित्र' जिल्लाम् पा डायमी का पृथ्त जिल्लासा स भाषा के जिल्लासा की	महान् माजिल्पकारं के अर्था भाषा के विकास से योगवान पर प्रकाश शालना व लेखक
	1	 व्यंजन सिंध की परिभाषा व नियम विसर्ग सिंध की 	नियमो की व्याख्या उदाहरणसहित सुनकर समझना च उसे आत्मसात	क्रियाकलाप के माध्यम मे उचित संधि नियम का	पर आधारित क्रियाकलायों के पाप्पम में बोर्ड या वर्ग पहेली में लिखे सीध्ययन शब्दों या वर्णों का अध्ययन विश्लेषण करना व उनका सीध-विश्लेषण करना व संभा प्रस्तुत करना। • विश्लेषणात्मक क्षमता के आधार पर 'क्षितना सीखा' शीर्षक में दिए क्योजन सीध	व्यवनाः -	

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अध्याय संख्या	विषय	भवण चित्रात्मकता अात्मसात करना आलोचनात्मक चितन	वाचन → अभिव्यक्ति क्षमता → तात्कालिक वाचन → संवादात्मक संप्रेषण	पठन → बोधगम्यता → विषेचना → विरलेवण	लेखन → सुजनात्मक लेखन → शैक्षिक लेखन → प्रलेखन	अन्तेषक संदर्शिका
				होने की जाँच करना व विसर्ग संधि संबंधी शब्द विकल्पों में से सही विकल्प पर गोला बनाना।		
3.	समास - समास की परिभाषा - समास के भेद	 शिक्षक द्वारा बोले गए लंबे वाक्यों को ध्यानपूर्वक सुनना व समासिक पदावली के प्रयोग द्वारा उनकी सीक्षाप्त प्रस्तृति के महत्व को समझना। 	 समासिक पदावली के प्रयोग द्वारा तीर्घ वाक्यों का संक्षिप्त रूप प्रस्तुत करना। 	 वेन डायग्राम के माध्यम से तत्पुरुष, कर्मधारय व चुित्रमु समास के समान व परस्पर पिन्न बिंपुओं को विश्लीपत कर समझना। 	 कम शब्दों में अपनी बात कहने और समय बचाने में सहायक सम्मासिक शब्दों की महत्ता का ज्ञान होने के पश्चात 'सामय के महत्त्व' पर पत्र व 'मागर में सामर' विषय पर निर्बंध लेखन का कार्य करता। 	अपने मनपसंद कवि या गीत लेखक के जीवन जन्म स्थान आदि से संबंधित जानकारी एकव कर समाधिक पदावली के प्रयोग द्वारा उसका शबोप में प्रस्तृतीकरण करना एवं गीत लेखन व काच्य रचना में समासायुक्त भाषा के महत्व को
4.	शब्द-भेव (व्याकरणिक प्रकार्य के आधार पर) • विकारी शब्द • अविकारी शब्द	 क्रियाकलाप के माध्यम से विकारी-अविकारी शब्दों से संबंधित जानकारी को आत्मसात करना। 	 यस्तु-विक्रता का अधिनय करमा और विक्रय हेतु दी गई वस्तु-विशेष का प्रचार-प्रसार कर बिक्री करमा व इसके लिए अधिकाधिक विकारी शब्दों जैसे विशेषण, संज्ञा आदि का प्रयोग करमा शब्द-चक्र भुगाकर विकारी-अधिकारी शब्दों से 	 बोधगम्यता व विश्लेषण के आधार पर 'कितना सीखा' शीर्षक में दिए प्रश्नों के साथ स्मृति-पथ को पूर्ण करना। 	 विकारी-अधिकारी शब्दों का प्रयोग करते हुए बाल-अध की चर्चा पर आधारित मीलिक संवादों को लिखना। 	समझना। विपणन जगत में विज्ञापनों की महत्ता की जानकारी प्राप्त करने के साथ-साथ जनकित में जारी किए जाने वालं विज्ञापनों में प्रयुक्त राज्यायली का ज्ञान प्राप्त करना।

		व	ौशल		
	श्रवण	वाचन	पठन	लेखन	
अध्याय विषय संख्या	 चित्रात्मकता आत्मसात करना आलोचनात्मक चिंतन 	 अभिव्यक्ति क्षमता तात्कालिक वाचन संवादात्मक संप्रेषण देना व स्वयं प्रश्न पुळकर अपनी जिज्ञासाओं का समाधान करना। 	⇒ बोधगम्यता⇒ विवेचना⇒ विश्लेषण	सृजनात्मक लेखनग्रीक्षक लेखनप्रलेखन	अन्वेषक संदर्शिका
 शब्द-भेत (अर्थ के आधार पर) विलोम शब्द पर्यायनाची शब्द एकार्थक प्रतीत व लो शब्द समरूप भिन्नार्थक शब्द अनेक के लिए ए 	शब्द-भेदों संबंधी जानकारी को ध्यानपूर्वक सुनना, समझना व आत्मसात करना।	 क्रियाकलाप के माध्यम से शब्द-भेदों संबंधी प्रश्नों के 	 मुख्य पृष्ठ व पाठ में दिए अन्य ग्राफिक ऑर्गनाइन्तर्स के माध्यम से शब्द-भेदों का अध्ययन-विश्लेषण करना। 	• अध्यामगत प्रश्नों के उत्तर लिखना। T	स्कूल के ईको क्लब के पं आर॰ औ॰ का परभार मँभा की कल्पना करते हुए क्ल द्वारा आयोजित गतिर्वाध्य का मौखिक व लिखित वा करना।
पद-परिचय पद की परिभाषा पद-परिचय का उ पद-परिचय में भिन्नता		• पद-परिचय संबंधी प्रश्नों के उत्तर देना।	 मुख्य पृष्ट पर दिए ग्राफिक ऑग्नाइजर के माध्यम से भाषा-चक्र को समझना। पद व शब्द के अंतर का अध्ययन-विश्लेषण करना। क्रियाकलाप के माध्यम से चयनित शब्द का उचित भेद खोजना एवं वाक्य में प्रयोग करना और इस प्रकार शब्द का पद में परिवर्तन करना। 	• अध्यासगत प्रश्नों के उत्तर लिखना।	अपने मनपसंद नेता, अभि आदि का साक्षात्कार लेने कल्पना के पश्चात प्राप्त जानकारी को व रोमांचक अनुभव को अनुच्छंद के माध्यम से प्रस्तुत करना ए उस अनुच्छंद में लिखे वा से चयनित किन्हीं पाँच प का व्याकरणिक परिचय व

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अध्याय संख्या	विषय	श्रवण ➡ चित्रात्मकता ➡ आत्मसात करना ➡ आलोचनात्मक चिंतन	वाचन → अभिव्यक्ति क्षमता → तात्कालिक वाचन → संवादात्मक संप्रेषण	पठन → बोधगम्यता → विवेचना → विश्लेषण	लेखन → सृजनात्मक लेखन → शैक्षिक लेखन → प्रलेखन	अन्वेषक संदर्शिका
7.	वाक्य-विचार वाक्य संबंधी मुख्य बातें वाक्य-प्रकार (अर्थ के आधार पर) वाक्य-परिवर्तन (रचना की दृष्टि से)	अर्थ के आधार पर वाक्य- प्रकार व रचना की दृष्टि से वाक्य-परिवर्तन संबंधी ज्ञान को आत्मसात करना।	 क्रियाकलाप में दिए निर्देशानुसार पारस्परिक संप्रेषण व समृह भावना के साथ वाक्य-रचना करना। 	'कितना सीखा' शीर्षक के अंतर्गत दिए गए चित्र-पठन के माध्यम से अर्थ के आधार पर वाक्य-रचना का अध्यास करना। सरल, संयुक्त व मिश्र वाक्यों के अंतर को विश्लीषत व विवेचित करना।	• अभ्यासगत प्रश्नों के उत्तर लिखना।	भाषण लेखक की भूमिका निभाते हुए व सुंदर वाक्य-रचना का प्रयोग करते हुए 'संयुक्त परिवार का महत्व विषय पर भाषण तैयार करना।
8.	अशुद्धि-शोधन वाक्य-एचना संबंधी अशुद्धियाँ अन्य अशुद्धियाँ विराम चिहन संबंधी अशुद्धियाँ	 भाषागत अशुद्धियों से बचने के नियमों को ध्यानपूर्वक सुनना-समझना। 	 क्रियाकलाप में दिए निर्देशानुसार वाक्य-रचना संबंधी अशुद्धियाँ से बचने के नियमों का बोलकर अध्यास करना। 	 वाक्य-रचना व विराम चिह्न संबंधी अशुद्धियों के साथ अन्य अशुद्धियों को पढ्कर समझना व उनमें अंतर को पहचानना। साथ ही बोधगम्यता के आधार पर 'कितना सीखा' शीर्षक में दिए प्रश्नों को हल करना। 	 रचना प्रकाशित करवाने के लिए संपादक महोदय को पत्र लिखना व उसमें भाषागत शुद्धता का पूरा ध्यान रखना। 	कुशल संपादक की भूमिका निभाते हुए समाचार-पत्र की कतरन में दी विराम चिह्न संबंधी अशुद्धियों का शोधन करना।
9.	मुहाबरे एवं लोकोक्तियाँ मुहाबरा लोकोक्ति मुहाबरा च लोकोक्ति मुहाबरा च लोकोक्ति में अंतर	 लोक्तियों के अर्थ सुनकर सही लोकोक्ति का नाम पहचानना। 	 क्रियाकलाप में दिए निर्देशानुसार मुहावरों की अभिनयात्मक अभिच्यक्ति करना। 	 मुहावरा व लोकोवित के अंतर को समझना। चित्र विश्लेषण के द्वारा चित्र में छिपे मुहावरों व उनके अर्थों को लिखना। 	 नववर्ष की शुभकामनाएँ देते हुए अपने किसी प्रियजन को पत्र लिखना व पत्र में सुंदर मुहावरों का प्रयोग करना। 	किसी मुहाबरे या लोकोक्त के नाम में आने वाले खाद्य व्यंजन की विभि लिखना व 'खाना-खजाना' नामक टी॰वी॰ कार्यक्रम के सूत्रधार की कल्पना के रूप में उस खाद्य

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अध्याय संख्या	विषय	अवण चित्रात्मकता अात्मसात करना आलोचनात्मक चिंतन	वाचन → अभिव्यक्ति क्षमता → तात्कालिक वाचन → संवादात्मक संप्रेषण	पठन → बोधगम्यता → विशेचना → विश्लेषण	लेखन — सुजनात्मक लेखन — शैक्षिक लेखन — प्रलेखन	अन्वेषक संदर्शिका
0.	अलंकार					त्यंजन की विधि की मृहावयंदा भाषा के साथ गेचक प्रस्तृति करना।
	शब्दालकार के भेद अर्थालकार के भेद	 अलंकार संबंधी जानकारी को ध्यानपूर्वक सुनना, समझना व आत्मसात करना। 	 शब्द-नक्र घुमाकर शब्दालकार व अर्थालकार के भेदों से सर्वाभत प्रश्नों के शीघ्र उत्तर देना व स्वयं प्रश्न पुछकर अपनी जिज्ञासाओं का समाभान करना। 	शब्दालंकार व अर्थालंकार के अंतर को पढ़कर समझना। काव्याश के पठन के पश्चात उसमें निहित अनुप्रास अलंकार के उदाहरण छाँटना।	 पिताजी को पत्र लिखकर किसी मनोगम पर्यटन स्थल की यात्रा की जानकारी देन य उसमें उपमा त रूपक अलंकारों के प्रयोग द्वारा पर्यटन स्थल की सुदरता का वर्णन करना। अलंकारयुक्त भाषा का प्रयोग करते हुए निवंध लेखन का कार्य करना। 	सम्मागंत्र आयोजक की भूमिका निभाते हुए व अल्कारमय भाषा का प्रयोग करते हुए समागंत्र को आमंत्रण-पत्र तैय करना।
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अध्याय संख्या	अध्याय का नाम	कौशल		अध्ययन फल
1.	बीणा-वादिनी (कविता)	 ज्ञानात्मक क्षमता भावात्मक संवेदनशीलता विश्लेषणात्मक क्षमता सांस्कृतिक संवेदनशीलता सृजनात्मक चिंतन हाव-भाव और स्वर शैली 	 किव निराला के जीवन, रचनाओं, भाषा आ किवता के मूल भाव को समझकर उसकी किवता के शीर्षक के विषय में अपना पूर्वा किवता में आए किटन शब्दों के अर्थ लिख पाठ संबंधी अन्य महत्वपूर्ण प्रश्नों के उत्तर 'वसंत पंचमी' के सांस्कृतिक महत्व पर प्रव देश के विकास हेतु किए जाने योग्य अनिव किवता गायन प्रतियोगिता में कविता गाते स 	व्याख्या करना नुमान बताना ना लिखना काश डालते हुए अनुच्छेद लिखना
2.	लालू-भाग दो (कहानी)	चरित्र विश्लेषणआलोचनात्मक समीक्षाज्ञानात्मक क्षमतासुजनात्मक चिंतन	 कहानीकार शरतचंद्र के जीवन, रचनाशैली भारतीय पुनर्जागरण के जनक राजा राममोहन कुप्रथाओं के विरोध में चलाए जाने वाले ज 	लिखना के लिए लालू के विरोध प्रदर्शन की शैली की आलोचनात्मक समीक्षा करना आदि से संबंधित प्रश्नों के उत्तर देना 1 राय द्वारा समाज –सुधार के लिए किए जाने वाले प्रयासों का उल्लेख करना
3.	101, प्रभु कुज (जीवनी)	 ज्ञानात्मक क्षमता चरित्र विश्लेषण विश्लेषणात्मक क्षमता हाव-भाव और स्वर शैली मृल्यांकन क्षमता भावात्मक संवेदनशीलता 	 नाइटिंगल ऑफ इंडिया अर्थात लता मंगेशक पाठ संबंधी प्रश्नों के उत्तर लिखना उचित हाव-भाव और स्वर शैली के साथ 1 'बच्चों के विकास के लिए प्यार बहुत महा 	विचारधारा आदि से संबंधित प्रश्नों के उत्तर देना र के प्रभावशाली व्यक्तित्व का विश्लेषण करना विज्ञापन के माध्यम से प्रचार करना त्वपूर्ण है' नामक विषय पर चर्चा करते हुए अपना मत प्रस्तुत करना कसी विशिष्ट घटना को संस्मरण के रूप में लिखना

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अध्याय संख्या	अध्याय का नाम	कौशल	अध्ययन फल
4.	विद्वान और व्यापारी (नाटक)	 नाटकीय पवृत्ति निश्लीपणात्मक क्षमता ज्ञानात्मक क्षमता सुजनात्मक चिंतन भावात्मक संवेदनशीलता 	 नाटक की अभिनयात्मक प्रस्तृति करना नाटक विभा एवं पाठ से संबंधित प्रश्नों के उत्तर लिखना निबंधकार गिरिराजशरण आग्रवाल के जीवन, कार्यक्षेत्र आदि से संबंधित प्रश्नों के उत्तर देना जीवन अनुभवों से प्राप्त ज्ञान के आधार पर 'आपसी संबंधों के महत्व' पर अपने विचार व्यक्त करना अपने मनपसंद कार्यक्षेत्र का चयन करना और क्षेत्र-विशोग में प्रयोग में लाई जाने वाली शब्दावली को ध्यान में रखते हुए कोई छ: संबाद बताना शिक्षा के महत्व पर आधारित एस॰ एम॰ एस॰ लिखना नाटक में से विभिन्न भावों को व्यक्त करने वाली पंक्तियाँ चुनकर लिखना।
5.	एक और भूत (उपन्यास)	 ज्ञानात्मक शमता सृजनात्मक चितंत विश्लेषणात्मक शमता मृल्यांकन श्लमता चरित्र विश्लेषण 	 उपन्यासकार हरिकृष्ण देवसरे के जीवन, कार्यक्षेत्र आदि से संबंधित प्रश्नों के उत्तर देना 'संगठन की शिवित' नामक विषय पर अनुच्छेद लिखना भूत-प्रेत पर आधारित कहानियों, उपन्यासों अधवा टी॰ वी॰ पर प्रस्तुत होने वाले धारावाहिकों आदि के जनमानस पर पड़ने वाले प्रभाव का विश्लेषण करना 'भूत-प्रेत : भ्रम सत्य' विषय के पक्ष-विषक्ष में अपने विचार व्यक्त करना लोगों के मन से भूत-प्रेत संबंधी अंधविश्वास को निकालने के लिए किए जाने वाले प्रयासों का उल्लेख करना उपन्यास के सहायक पात्रों जैसे जादूगर या भैरोंनाथ के चरित्र का विश्लेषण करना और अपने प्रिय पात्र का चुनाव करना
6.	मीराबाईं और तुलसीदास के पद (पद)	ज्ञानात्मक क्षमता भावात्मक संवेदनशीलता हाव-माव एवं स्वर शैली विश्लेषणात्मक क्षमता स्जनात्मक चिंतन चिरत्र विश्लेषण	 मीराबाई व तुलसीदास के जीवन, रचनाओं आदि से संबंधित प्रश्नों के उत्तर देना मीराबाई व तुलसीदास के भिवतपूर्ण पदों के मूल भावों को समझना और उनकी व्याख्या करना उचित हाव-भाव एवं स्वर शैली के साथ पदों को गाकर सुनाना पदों में आए किंटन शब्दों के उचित अर्थ लिखना पदों पर आधारित प्रश्नों के उत्तर लिखना श्रीकृष्ण के जीवन से संबंधित किसी घटना की जानकारी एकिंत्रत करना और कल्पना के आधार पर घटना की चित्रात्मक प्रस्तृति करना तुलसीदास और मीराबाई की चािरित्रक समानताओं व असमानताओं की तुलना करना

एजुकेशन क्वालिटी फाउडेशन ऑफ इंडिया

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अध्याय संख्या	अध्याय का नाम	कौशल	अध्ययन फल
7.	सत्यदास (कहानी)		 कहानीकार विमलकॉर के जीवन, रचनाओं आदि से संबंधित प्रश्नों के उत्तर देना पाठ संबंधी प्रश्नों के उत्तर लिखना कहानी के नामकरण की सार्थकता पर प्रकाश डालना कहानी के प्रमुख पात्रों की चारित्रिक विशेषताएँ उद्धरण सिंहत लिखना 'मौन रहना - कायरता या बुद्धिमानी' नामक विषय पर विचार व्यक्त करना समाज के विकास में महत्वपूर्ण भूमिका निभाने वाले व्यक्तियों के प्रमुख उत्तरदायित्वों का उल्लेख करना जीवन में नैतिक मूल्यों के महत्व पर अपने विचार व्यक्त करना नैतिक मूल्यों की महत्ता को स्पष्ट करनेवाली कोई अन्य कहानी लिखना भारतीय संस्कृति में अतिथि-सत्कार की परंपरा व स्वरूप पर प्रकाश डालना
8.	हँसी-खुशी (निबंध)	ज्ञानात्मक क्षमता भावात्मक संवेदनशीलता विश्लेषणात्मक क्षमता स्जनात्मक चिंतन ज्ञाव-पाव और स्वर शैली नाटकीय प्रवृत्ति	 निबंधकार बालमुकुंद गुप्त के जीवन, रचनाओं आदि से संबंधित प्रश्नों के उत्तर देना निबंध के मूल भाव को भली-भौति आत्मसात कर अपने शब्दों में बताना हँसी-खुशी के महत्व से संबद्ध विभिन्न विद्वानों और डॉक्टरों के विचारों पर प्रकाश डालना पाठ संबंधी प्रश्नों के उत्तर लिखना हास्यासन के महत्व को प्रकट करना किसी हास्य अनुभव की रोचक प्रस्तुति करना बढ़ती महंगाई' विषय पर हास्य अधवा व्यंग्यपूर्ण किवता पढ़कर सुनाना कठपुतली प्रदर्शन प्रतियोगिता में हास्य नाटिका प्रस्तुत करना
9.	मधुआ (कहानी)	 भावात्मक संवेदनशीलता चरित्र विश्लेषण विश्लेषणात्मक क्षमता व ज्ञानात्मक क्षमता मृल्यांकन क्षमता 	 'मधुआ' कहानी एवं बालश्रम पर आधारित अपिठत गद्यांश को पढ्ना व उनके मूल भाव को समझना कहानी के मुख्य पात्र 'शराबी' के चिरित्र में आए बदलाव का वर्णन करना कहानीकार जयशंकर प्रसाद के जीवन, रचनाओं आदि से संबंधित प्रश्नों के उत्तर देना पाठ एवं अपिठत गद्यांश से संबंधित प्रश्नों के उत्तर लिखना जयशंकर प्रसाद की प्रसिद्ध कहानियों के मुख्य दृश्यों पर आधारित चित्रों का विश्लेषण करना बालश्रम जैसी शर्मनाक समस्या के कारणों, दुष्यभावों, समाधानों आदि पर विचार करना किसी बालश्रमिक का साक्षात्कार लेना और तत्पश्चात प्राप्त जानकारी के आधार पर उस बालक की कहानी अपने शब्दों में लिखन बाल मजदूरों की सहायतार्थ किए जाने वाले प्रयासों का उल्लेख करना

 (क्तिता) कात-भाव और स्वर शैली भावात्मक संवैदनशीलता विश्लेषणात्मक क्षमता सुजनात्मक चिंतन मुजनात्मक चिंतन किति हिनकर के जीवन, राजाओं आदि से संबंधित प्रश्नों के उत्तर देना कितिता ग्रायन के समय उचित हान-भाव एवं स्वर शैली का प्रयोग करता कितिता के माध्यम से प्रेपित किति के मुख्य कथ्य को समझना काल्या में निहित भावों की व्याख्या करता पैतिहत भावों की व्याख्या करता देश की प्रगति में बाधक समस्याओं का वर्णन करता दिल्ली के सामस्याओं को लेखनीबद्ध करता भविष्य संबंधी अपनी कल्पनाओं को लेखनीबद्ध करता 	अध्याय संख्या	अध्याय का नाम	कौशल	अध्ययन फल
			हाव-भाव और स्वर शैली भावात्मक संवेदनशीलता विश्लेषणात्मक क्षमता	 कविता गायन के समय उचित हाब-भाव एवं स्वर शैली का प्रयोग करना कविता के माध्यम से प्रेषित कवि के मुख्य कथ्य को समझना काव्य में निहित भावों की व्याख्या करना गौंवों व शहरों के बीच असमानता के मुख्य कारणों पर प्रकाश डालना देश की प्रगति में बाधक समस्याओं का वर्णन करना दिल्ली के राजनीतिक, आर्थिक स्वरूप का विश्लेषण करते हुए 'मेरी दिल्ली' विषय पर अनुच्छेद लिखना

Math Class 8 Part - 1 S L K Application Knowledge **Mathematical Skills** Retention Correlation Data handling Topic Reasoning **Explorer's Quest** Ch.No. Comprehension Graphical representation Procedural fluency
Visual and spatial skills Identification Problem solving Assimilation Inference 1.1 **Rational Numbers** Properties of Stating the properties of Verifying the properties Showing procedural The learner rational numbers under fluency and accuracy in of rational numbers analyses the data, Rational under different calculations while makes calculations Numbers all the operations operations simplifying rational and draws Applying the properties expressions and finding conclusions while of rational numbers rational numbers organising the between any two while simplifying sports event in mathematical rational numbers school. expressions Solving real-life problems involving basic operations on rational numbers Classifying rational Drawing conclusions Representing different Representation of • regarding changes to be types of rational numbers as fractions Rational made on the number numbers on the number and decimals Numbers on the line while representing Number Line Converting nonline terminating recurring different types of numbers on it through decimals to fractions an activity

		S	KILL	S	
Ch.No.	Topic	Knowledge Retention Comprehension Identification Assimilation	Application Correlation Reasoning Problem solving Inference	Mathematical Skills → Data handling → Graphical representation → Procedural fluency ✓ Visual and spatial skills	Explorer's Quest
	Rational Numbers Between Two Rational Numbers	 Understanding two methods of finding rational numbers between any two rational numbers Stating the Density Property of rational numbers that there are infinitely many rational numbers between any two rational numbers 			
1	Exponents and Powers Exponents	Identifying exponents and base of a number in exponential form; numbers with positive and negative exponents Expressing numbers with positive or negative exponents Defining multiplicative inverse Expanding numbers using exponents Stating five laws of exponents	Deriving results using laws of exponents	,	The learner represents metric prefixes in exponential form and vice versa, searches for different physical quantities with the values expressed busing metric prefixes, establishe a relation between any two physical quantities, sorts data in ascending

		S	K I L L	S	
Ch.No.	Topic	Knowledge Retention Comprehension Identification Assimilation	Application Correlation Reasoning Problem solving Inference	Mathematical Skills Data handling Graphical representation Procedural fluency Visual and spatial skills	Explorer's Quest
	• Uses of Exponents	 Defining standard form of a number Expressing very large and very small numbers in standard form and vice versa 	Applying laws of exponents to simplify mathematical and algebraic expressions through an activity Arranging numbers in standard form in ascending order through an activity Correlating two quantities by comparing and ordering numbers in standard form	Showing procedural fluency and accuracy in calculations while solving problems by applying operations on numbers in standard form	order and converts exponential data in standard form.
1.3	Squares and Square Roots • Square Numbers	 Finding the square of a number Stating the properties of square numbers Identifying whether the given numbers are square numbers or not using suitable properties 	Verifying the properties of square numbers		The learner plans the seating arrangement for the audience while organising the cultural programme in such a manner that it forms a square, performs calculations, draws ablueprint and answers the

		S Knowledge	K I L L Application	S Mathematical Skills	
Ch.No.	Topic	Retention Comprehension Identification Assimilation	- Correlation - Reasoning - Problem solving - Inference	 Data handling Graphical representation Procedural fluency Visual and spatial skills 	Explorer's Ques
		 Understanding the method of checking whether the given number is a square number or not 			questions based or it.
	Patterns in Square Numbers	Defining triangular numbers	 Verifying the patterns in square numbers by substituting values for the variables Applying the results based on patterns in square numbers for solving related problems 		
	Finding the Square of a Number	 Finding the square of a number without actual multiplication by using identities and square of numbers ending with 5 using a shortcut method Stating the general rule for finding members of Pythagorean triplet 	 Verifying the Pythagorean triplet by using Pythagorean theorem 	Showing procedural fluency and accuracy in calculations while calculating squares of numbers in different cases	

		S	KILL	S	
Ch.No.	Topic	Knowledge Retention Comprehension Identification Assimilation	Application - Correlation - Reasoning - Problem solving - Inference	Mathematical Skills Data handling Graphical representation Procedural fluency Visual and spatial skills	Explorer's Ques
	 Square Roots Square Roots of Decimals 	Defining the square root of a number and finding the same by repeated subtraction, prime factorisation and long division method Stating the properties of square roots Converting non-perfect squares into perfect squares by applying required operations Finding square roots of decimals using long division method and estimating square roots of numbers	Solving daily life problems using the concept of squares and square roots	Showing procedural fluency and accuracy in calculations while finding square roots using different methods	
1.4	Cubes and Cube Roots Cube Numbers	 Defining cube numbers Stating the properties of cube numbers Understanding the method of checking whether the given number is a cube number or not 	Observing the patterns based on cube numbers and generalising the conclusions	Showing procedural fluency and accuracy in calculations while checking whether the given number is a cube number or not	The learner designs a solid cube by using the small unit cubes and tests the truthfulness of a few inferences drawn to understand the fundamentals of cube numbers.

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Ch.No.	Topic	Knowledge Retention Comprehension Identification Assimilation	Application Correlation Reasoning Problem solving Inference	Mathematical Skills Data handling Graphical representation Procedural fluency Visual and spatial skills	Explorer's Ques
	Cube Root of a Number	 Defining the cube root of a number Understanding the method of finding the cube root of a number by prime factorisation and by estimation 		Showing procedural fluency while finding the cube root of mathematical expressions by prime factorisation and estimation	
	Playing with Numbers Numbers in General Form	 Representing two-digit and three-digit numbers in general form and solving related problems 		Handling numerical data	The learner makes and solves a math puzzle based on numbers.
	Number Games		Deriving results, making generalisations and solving related problems (a) when a two-digit number is added to its reverse (b) when a two-digit or a three-digit number is subtracted from its reverse (c) when the given three-digit number and the numbers		

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Ch.No.	Topic	Knowledge Retention Comprehension Identification Assimilation	Application Correlation Reasoning Problem solving Inference	Mathematical Skills Data handling Graphical representation Procedural fluency Visual and spatial skills	Explorer's Quest
	 Letters for Digits Tests of Divisibility 	 Finding missing digits of numbers while applying addition, subtraction or multiplication Stating the tests of divisibility by 2, 3, 4, 5, 6, 8, 9, 10 and 11 	obtained by interchanging its digits in cyclic order are added - Applying the tests of divisibility to check whether the given number is divisible by some specific numbers or not and giving appropriate reasons - Understanding the reasons behind the working of divisibility tests		
2.1	Comparing Quantities Comparing Quantities: Ratios and Percentages	Converting ratios to percentages and vice versa Stating the formulae for increase and decrease in per cent, profit, loss and	 Solving real-life problems involving conversion of ratios to percentages and vice versa Applying the concept of 	Showing procedural fluency and accuracy in calculations while dealing with problems involving ratios and percentages	The learner studies and analyses the given income statement of the company to complete the

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Ch.No. Topic	Knowledge → Retention → Comprehension → Identification → Assimilation	Application Correlation Reasoning Problem solving Inference	Mathematical Skills → Data handling → Graphical representation → Procedural fluency → Visual and spatial skills	Explorer's Quest
	discount Understanding the concept of successive discounts, estimation in percentages, sales tax and value added tax	increase and decrease in per cent, profit, loss, discount, successive discount, sales tax and value added tax in solving real life problems Preparing and verifying an invoice by applying the concepts of discount, sales tax and VAT through an activity	Handling numerical data	income statement for the next year by applying the concept of percentages and makes a comparison for both the years by using a double bargraph.
Simple Interest	Stating the formula of simple interest	Solving problems for finding simple interest and the dependent quantities, i.e., principal, rate of interest and time		
Compound Interest and Its Formula Derivation	Deriving formula of compound interest using the formula of simple interest Understanding all the 4 cases when the conversion period varies and its effect on compound interest formula	Applying compound interest formula while solving problems based on growth and depreciation		

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Ch.No.	Topic	Knowledge → Retention → Comprehension → Identification → Assimilation	Application Correlation Reasoning Problem solving Inference	Mathematical Skills → Data handling → Graphical representation → Procedural fluency → Visual and spatial skills	Explorer's Quest
2.2	Direct and Inverse Proportions • Direct Proportions • Inverse Proportions • Applications	Identifying the kind of variation to find the missing quantities Defining the constant of proportionality for both kinds of variation	 Solving daily life problems using the concept of direct and inverse proportions Solving daily life problems based on "Time and work" and "Distance, speed and time" 	Showing procedural fluency and accuracy in calculations while solving daily life problems based on direct and inverse proportions	The learner needs to work out the plans and processe involved in estimating the human and other resources required for smooth and efficient functioning of the school when two new sports activities and language courses are introduced in class-VIII.

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Math

Part - 2

Class 8

Application Knowledge **Mathematical Skills** Retention Data handling Correlation Ch.No. Topic Explorer's Quest Graphical representation Comprehension Reasoning Identification Problem solving Procedural fluency Visual and spatial skills Assimilation Inference 3.1 Algebraic Expressions and Identities Framing an algebraic expression and writing Algebraic Defining an algebraic Representing algebraic The learner makes Expressions expression an inventory of the expressions on the Identifying the terms, number line medicines in stock, its characteristics coefficients, like and checks how many through an activity unlike terms in an medicines have algebraic expression expired and how Classifying algebraic many needs to be expressions as replaced. monomial, binomial, trinomial and polynomial Defining and identifying the degree of an algebraic expression with one or more than one variable Showing procedural Operations on Understanding different Applying required operations in solving fluency and accuracy in Algebraic methods of applying Expressions operations, i.e., addition, real-life problems calculations while subtraction and through an activity applying operations on

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Ch.No	. Topic	Knowledge → Retention → Comprehension → Identification → Assimilation	Application Correlation Reasoning Problem solving Inference	Mathematical Skills → Data handling → Graphical representation → Procedural fluency → Visual and spatial skills	Explorer's Quest
	Algebraic Identities	multiplication on algebraic expressions Differentiating between algebraic equation and algebraic identity Finding the product of numbers and algebraic expressions by using standard algebraic identities	Proving the standard algebraic identities algebraically	algebraic expressions and evaluating them for given values of unknown variables • Interpreting and verifying standard algebraic identities geometrically through an activity • Showing procedural fluency and accuracy in simplifying and evaluating the algebraic expressions using algebraic identities	
3.2	Factorisation • Factorisation of Algebraic Expressions	Understanding different methods of factorisation of algebraic expressions, i.e., by taking out the common factors, regrouping the terms and using algebraic identities	Preparing algebraic tiles to form a rectangle and applying the concept of factorisation to find its area and dimensions through an activity	Showing procedural fluency and accuracy in calculations while finding the HCF of monomials, factorising, expanding and evaluating algebraic expressions	The learner decode a coded message related to a special date associated with the life of a famous personality by applying factorisation and finds the name of that person using the sequence of the dates and

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	24.0	S	KILL	S	APPLICATION AND ADMINISTRATION OF THE PARTY
Ch.No	o. Topic	Knowledge Retention Comprehension Identification Assimilation	Application Correlation Reasoning Problem solving Inference	Mathematical Skills → Data handling → Graphical representation → Procedural fluency → Visual and spatial skills	Explorer's Quest
	 Division of Algebraic Expressions Common Errors in Algebra 	Understanding the methods of dividing a monomial by another monomial a polynomial by a monomial a polynomial by another polynomial Identifying the common errors while doing algebraic work	Stating the reason for the occurrence of common errors while performing algebraic	Showing procedural fluency and accuracy in calculations while carrying out the divisions of algebraic expressions Showing accuracy in calculations in spotting and correcting the common errors while	associated events linked with him/her.
	Linear Equations in One Variable Linear Equations in One Variable Reducing Equations to Simpler Form and Linear Form	 Defining linear equations in one variable Assimilating all the methods of solving linear equations in one variable of different kinds Reducing equations to its simpler or linear form and solving them for unknown variable 	 Solving real-life word problems involving linear equations in one variable through an activity Verifying the solution of linear equations in one variable 	Showing procedural fluency and accuracy in calculations while solving linear equations in one variable and related real-life word problems	selling price of the

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Ch.No.	Topic	Knowledge Retention Comprehension Identification Assimilation	Application Correlation Reasoning Problem solving Inference	Mathematical Skills □ Data handling □ Graphical representation □ Procedural fluency □ Visual and spatial skills	Explorer's Quest
	Application of Linear Equations in One Variable	Formulating real-life word problems as linear equations in one variable and applying a suitable method to solve it	,		
4.1	Understanding Quadrilaterals • Curves	 Defining a curve Defining and identifying different types of curves Identifying the interior and exterior of a closed curve 			The learner thinks of, discusses and makes a sketch of a furniture design using various types of quadrilaterals and identifies the
	• Polygons	 Defining polygons and knowing conditions under which a figure is not a polygon Classifying polygons on the basis of number of sides Defining a diagonal of a polygon and finding the number of diagonals in a polygon using a formula Distinguishing between 	Deriving interior and exterior angle sum properties of polygons Drawing inferences for each interior and exterior angle of a polygon through an activity	Showing procedural fluency and accuracy in finding the number of diagonals of the polygons and solving problems using angle sum properties of polygons	quadrilaterals used by applying the properties of quadrilaterals.

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Ch.No.	Topic	Knowledge Retention Comprehension Identification Assimilation	Application Correlation Reasoning Problem solving Inference	Mathematical Skills Data handling Graphical representation Procedural fluency Visual and spatial skills	Explorer's Quest
	Quadrilaterals	 polygons; regular and irregular polygons Defining a quadrilateral and its elements Defining and stating the properties of trapezium and kite Stating the properties of a parallelogram and some special parallelograms, i.e., square, rhombus and rectangle 	 Proving the properties of a parallelogram Proving the diagonal properties of some special parallelograms, i.e., rhombus, rectangle and square Applying properties of parallelograms to solve related problems Comparing the properties of quadrilaterals with respect to their sides, angles and diagonals through an activity 	Showing procedural fluency and accuracy in calculations while using the properties of quadrilaterals	
.2 Pr	ractical Geometry General Quadrilaterals	Understanding the method of constructing unique quadrilaterals under five different cases: (a) when four sides and one diagonal are given	Justifying whether a quadrilateral can be constructed uniquely or not under few combinations, with reasons and an example through an activity	special quadrilaterals	The learner choose a suitable quadrilateral for each type of interior and designs a blueprint for the same by first constructing the chosen quadrilaters.

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Ch.No.	Topic	Knowledge Retention Comprehension Identification Assimilation	Application Correlation Reasoning Problem solving Inference	Mathematical Skills → Data handling → Graphical representation → Procedural fluency → Visual and spatial skills	Explorer's Ques
	Special Quadrilaterals	(b) when two diagonals and three sides are given (c) when two adjacent sides and three angles are given (d) when three sides and two included angles are given (e) when four sides and one angle are given • Understanding the method of constructing special quadrilaterals, i.e., parallelogram, rectangle, square and rhombus	Designing a blueprint for a window by choosing a special quadrilateral, constructing it and analysing its uniqueness through an activity		
4.3	Visualising Solid Shapes Views of 3-D Shapes Maps	 Identifying three different views of 3-D shapes Defining a map and listing its key points 	Reading and interpreting maps to answer questions based on distances, locations, directions, etc.	 Drawing different views of 3-D shapes Drawing a route map of few stations of a metro train through an activity 	The learner reads the given instructions, interprets it for drawing a bluepri of the map of a cit draws the map on computer using N paint, reads the maps drawn by

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		S	KILL	S	
Ch.No.	Topic	Knowledge Retention Comprehension Identification Assimilation	Application Correlation Reasoning Problem solving Inference	Mathematical Skills → Data handling → Graphical representation → Procedural fluency → Visual and spatial skills	Explorer's Ques
	Polyhedrons	Defining and identifying (a) polyhedrons and its faces, edges and vertices (b) regular polyhedrons (c) convex polyhedrons (d) prisms (e) pyramids Giving examples of (a) polyhedrons and not polyhedrons (b) regular and irregular polyhedrons (c) convex and not convex polyhedrons Differentiating amongst the different types of prisms and pyramids Stating Euler's formula	 Drawing a conclusion while deriving Euler's formula through an activity Verifying Euler's formula for various polyhedrons 	Drawing and labelling maps while choosing appropriate scale for it	others and finds of the best characteristics marked by them.
•	ensuration Area and Perimeter of Plane Figures	Recalling formulae of area and perimeter of plane figures	Solving real-life problems by applying formulae of perimeter and area of plane figures	Showing procedural fluency and accuracy in calculations while finding the perimeter and area of plane figures	The learner build the model of a cafeteria, analyse the given shapes dimensions and number of each
		 Deriving area of (a) trapezium 	• Applying the concept of the area of trapezium,		the given items of the infrastructure

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Ch.No.	Topic	Knowledge Retention Comprehension Identification Assimilation	Application Correlation Reasoning Problem solving Inference	Mathematical Skills Data handling Graphical representation Procedural fluency Visual and spatial skills	Explorer's Quest
		(b)quadrilateral (c)rhombus (d)polygon	quadrilateral, rhombus and polygon to solve related problems • Drawing conclusions regarding area and perimeter of trapezium through an activity		estimate the area and volume of different items, finds the cost involved in fitting the floor tiles and painting the items in the cafeteria.
	Surface Area	 Differentiating between total surface area and lateral surface area Deriving total surface area and lateral surface area of a cube, a cuboid and a cylinder 	Solving real-life problems involving lateral and total surface areas of cube, cuboid and cylinder	Showing procedural fluency and accuracy in calculations while finding the surface area of cubes, cuboids and cylinders	
	• Volume	Differentiating between volume and capacity Finding volume of cube, cuboid and cylinder	 Solving real-life problems involving volume of cube, cuboid and cylinder Drawing conclusions regarding volume and surface area of a cylinder through an activity 	Showing procedural fluency and accuracy in calculations while finding the volume of cubes, cuboids and cylinders	
6.1	Introduction to Graphs Types of Graphs	Listing features and uses of (a) bar graph	Interpreting different types of graphs to answer related	Representing the given data graphically by making a suitable choice	The learner works in groups to collec specific type of

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Ch.No. Topic	Knowledge Retention Comprehension Identification Assimilation	Application Correlation Reasoning Problem solving Inference	Mathematical Skills → Data handling → Graphical representation → Procedural fluency → Visual and spatial skills	Explorer's Quest
• Coordinate System	 (b)double bar graph (c) pie graph (d)histogram (e) line graph (f) multiple line graph • Defining Cartesian system Understanding the method of plotting ordered pairs on a graph 	questions Collecting and organising data, choosing a suitable graph as per the data collected, giving reason for the choice of that graph and representing the data graphically through an activity	Plotting ordered pairs on a graph to obtain a linear graph	data, organises it, chooses a suitable graph to present it to other groups and asks them to interpret it.
• Linear Graph	 Defining a linear graph Differentiating between line graphs and linear graphs Identifying the coordinates of points in the Cartesian plane 	Applying the method of plotting ordered pairs and linear graph to solve related problems		
 Applications 		 Solving real-life problems involving linear graphs Representing the given data graphically in the form of a linear graph and analysing the same 	Representing the relationship between quantity and cost of an item, time and distance, principal and interest with the help of a linear graph	

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Ch.No.	Topic	Knowledge Retention Comprehension Identification Assimilation	Application Correlation Reasoning Problem solving Inference	Mathematical Skills Data handling Graphical representation Procedural fluency Visual and spatial skills	Explorer's Quest
			to answer related questions through an activity		
6.2	Data Handling Organisation of Data	Understanding the method of organising data in the form of a frequency distribution table and grouped frequency distribution table Finding range of the data Defining histogram	Interpreting histograms to answer questions based on the same	Handling numerical data Organising and representing data while making grouped frequency distribution tables and different types of graphs	The learner prepares a questionnaire for conducting a survey among the students, represents the collected data graphically and draws inferences based on the
	Types of Graphs	 Stating properties of a pie graph Understanding the method of constructing a pie graph 	Applying the method of representing data by using different types of graphs through an activity	Representing given data using different types of graphs, i.e., pictograph, bar graph, double bar graph, circle graph or pie graph	answers of the giver questions.
	Chance and Probability	Defining terms associated with chance and probability Finding probability of events	Solving real-life problems involving probability of the occurrence of an event Creating a spinner and drawing conclusions by applying the concept of probability through an activity		

Biology

Class 8

		S	KILL	S	
Ch.No.	Торіс	Knowledge Retention Comprehension Identification Assimilation	Application Correlation Reasoning Problem solving Interpretation	Scientific Skills - Graphical representation - Analysis - Prediction - Ideation	Explorer's Quest
1.	Crop Production and Management Cropping Pattern in India Agricultural Practices	 Classifying different cropping patterns in India Identifying different crops as Kharif, Zaid and Rabi crops Enlisting the various agricultural practices and giving a brief outline about each of them Describing the agricultural implements used for plouging and the techniques used for sowing Listing the various methods of soil replenishment Explaining the types and importance of manures 	 Giving reasons for loosening the soil Justifying the role of transplantation in crop production Correlating crop rotation with increased productivity of soil Comparing and contrasting manures and fertilisers Correlating proper irrigation and crop yield 	situation of food grain losses in India and suggesting few ways to	The learners conduct a research to record and analyse the effects of variations in conditions on the crop.
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Ch.No.	Topic	Knowledge Retention Comprehension Identification Assimilation	Application Correlation Reasoning Problem solving Interpretation	Scientific Skills - Graphical representation - Analysis - Prediction - Ideation	Explorer's Ques
	• Animal Husbandry	Describing and differentia- ting weedicides and pesticides Enumerating the traditional and modern harvesting methods Listing various ways of safe storage Defining animal husbandry and four of its types Explaining the applications of animal husbandry	- sun drying and longer shelf life of grains	chart to represent the same	
2.	Microorganisms: Their Types • Microorganisms	Describing the favourable conditions for the growth of microorganisms Listing major groups of microbes Describing few characteristics of each group	Justifying whether oxygen is essential for the survival of microorganisms Giving reason for considering viruses on the borderline between living and non-living	 Drawing well-labelled diagrams of various microorganisms. Analysing the leavened moist bread for the growth of microbes over it and illustrating it by drawing a sketch 	The learners carry out yeast fermentation and analyse that gases produced as a result of fermentation are responsible for rise in dough

Cnowledge Retention Comprehension Identification Assimilation Distinguishing the beneficial activities of microorganisms on general, commercial and medicinal criteria Describing the precautions while taking antibiotics Defining disease, pathogen and vector	Application Correlation Reasoning Problem solving Interpretation Glving reason for rise in the idli batter when left overnight correlating the presence of disease and	Scientific Skills Graphical representation Analysis Prediction Ideation Analysis of the ineffectiveness of antibiotics in common cold infections Predicting the pattern of decomposition of grass in the presence and absence of soil microorganisms	The learners collect information regarding the outbreak, symptoms and prevention of two epidemic diseases – Swine flu and Dengue fever and represent it in
beneficial activities of microorganisms on general, commercial and medicinal criteria Describing the precautions while taking antibiotics Defining disease,	the idli batter when left overnight • correlating the presence	 ineffectiveness of antibiotics in common cold infections Predicting the pattern of decomposition of grass in the presence and absence of soil 	information regarding the outbreak, symptoms and prevention of two epidemic diseases – Swine flu and Dengue fever
matheman and menter			
Classifying common microbial diseases of humans, animals and plants	unhealthy surroundings • Explaining how vaccination helps to prevent diseases		the form of meaningful and colourful poster
Explaining the need for food preservation Listing different methods of food preservation giving examples of each	Suggesting the most appropriate method for milk storage during summer season	Analysing the effects of adding certain chemicals, heating, cooling and packaging on food preservation	
	Listing few measures for disease prevention Explaining the need for food preservation Listing different methods of food preservation giving	Listing few measures for disease prevention - Applying the concept of food spoilage and poisoning to arrive at solutions to real-life situations - Suggesting the most appropriate method for milk storage during summer season - Suggesting the most appropriate method for milk storage during summer season	Listing few measures for disease prevention - Applying the concept of food spoilage and poisoning to arrive at solutions to real-life situations - Suggesting the most appropriate method for milk storage during summer season - Analysing the effects of adding certain chemicals, heating, cooling and packaging on food

		S	K I L L	S	
Ch.No.	Topic	Knowledge Retention Comprehension Identification Assimilation	Application → Correlation → Reasoning → Problem solving → Interpretation	Scientific Skills - Graphical representation - Analysis - Prediction - Ideation	Explorer's Quest
	Nitrogen Cycle	 Defining nitrogen fixation and terms associated with it Detailing the nitrogen cycle in nature 	Correlating nitrogen fixation with increased soil productivity	Graphically representing the 'Nitrogen Cycle'	
4.	Conservation of Plants and Animals Conservation: Why is It Important? Flora and Fauna	 Summarising the need for conservation of species. Defining the terms like species, biosphere, flora, fauna etc Classifying species into 	 Correlating the wiping out of one species with decreased ecological stability of ecosystem Discussing the efforts of the people towards the betterment of species 	Analysing the exploitation of hill stations by human activities and researching the names of people protesting against it	The learner designs magazine content for developing awareness about conservation of endangered species
	• Deforestation: Causes and Consequences	different endangered categories • Listing various causes and consequences of deforestation	Correlating deforestation with occurrence of droughts, floods, soil erosion etc	Exploring the areas affected by deforestation in India and ideating on possible ways to counter such situations	
	 Conservation of Forests and Wildlife 	 Defining and giving examples each of National parks, 	Explaining how reforestation contributes to the	Ideating about some possible ways for conservation of wildlife	

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		S	KILL	S	
Ch.No.	Topic	Knowledge - Retention - Comprehension - Identification - Assimilation	Application Correlation Reasoning Problem solving Interpretation	Scientific Skills - Graphical representation - Analysis - Prediction - Ideation	Explorer's Quest
		Santuaries and Biosphere Reserves • Explaining the importance of recycling of paper	conservation of species Giving reasons for keeping animals in protected areas Justifying the necessity of wildlife trade	and suggesting ways to implement them	
	Migration and Movement of Animals	Listing few migratory birds Explaining various factors responsible for bird migration	Analysing reasons for less arrival of migratory birds in an area and suggesting ways of making birds to come back to that area		
Fu	ell: Structure and inctions The Cell	Explaining the term cell and various discoveries associated with it		Illustrating the internal scheme of organization of an individual with the help of Graphic Organiser	The learners contruct the detailed clay models of plant animal cells to study the struct
	Components of the Cell	Describing structure and function of various cell components including important cell organelles	Visualising and correlating the concept of cell and its organelles with the help of a model Justifying the selective permeability as the mos important property of cell membrane	modification will affect the cell most by providing suitable reason	and functions of cell organelles

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		S	KILL	S	
Ch.No	, Topic	Knowledge → Retention → Comprehension → Identification → Assimilation	Application Correlation Reasoning Problem solving Interpretation	Scientific Skills - Graphical representation - Analysis - Prediction - Ideation	Explorer's Quest
	 Comparison between Animal and Plant Cells Types of Cells 	 Differentiating plant and animal cells Differentiating between prokaryotic and eukaryotic cells 	Interpreting the observations through microscope by recalling the concept learnt to correctly identify the slides Correlating the shape and size of cells with the specific functions	Drawing and labeling of the plant and animal cells	
		Identifying different shapes of cells with relevant examples • Naming smallest and largest known cell	performed by them		
	Reproduction in Animals Role of Cell Division in Reproduction Types of Reproduction in Animals	 Differentiating between mitosis and meiosis Defining haploid and diploid cells Differentiating between sexual and asexual reproduction 	 Explaining why cell division is important during reproduction? Interpreting that bacteria take much lesser time to increase in number as compared to higher organisms 	Representing diagrammatically mitosis and meiosis processes	The learners research and colle data about In vitro fertilisation (IVF), form a ethics committee and analyse the pros and cons of IVF process
	• Asexual Reproduction	 Summarising main points of various types of asexual reproduction 	 Giving reasons why higher animals do not reproduce by asexual methods 	Representing diagrammatically fission and budding processes	

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Ch.No	o. Topic	Knowledge Retention Comprehension Identification Assimilation	Application Correlation Reasoning Problem solving Interpretation	Scientific Skills - Graphical representation - Analysis - Prediction - Ideation	Explorer's Quest
				 Analysing pros and cons of cloning process and ideating on whether it should be carried out or banned 	
	• Sexual Reproduction	Defining male and female sex organs, fertilisation and metamorphosis Differentiating between internal and external fertilization and giving examples of each Explaining how the embryo develops after fertilisation in humans, birds and frogs Describing the human reproductive system Identifying slides related to the reproductive systems	 Giving reasons for the defined positions of testes and ovaries in humans Giving reasons for the unequal production of male and female gametes by humans at a time 	Analysing if oviparity or viviparity is the more evolved method of reproduction Drawing a sketch for metamorphosis of frog after observing its life cycle in laboratory Drawing labelled diagrams of the male and female reproductive system.	
	Reaching the Age of Adolescence • Adolescence and Puberty	 Defining adolescence and puberty Listing the changes taking place at puberty 	Giving reasons why changes in the body take place during adolescence		The learner prepares a short s including the role of counselor and

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Ch.No.	Topic	Knowledge Retention Comprehension Identification Assimilation	Application Correlation Reasoning Problem solving Interpretation	Scientific Skills - Graphical representation - Analysis - Prediction - Ideation	Explorer's Quest
•	Secondary Sexual Characters and Role of Hormones	Defining and giving examples of secondary sexual characters	 Giving reasons for deeper voice of boys than girls Observing and interpreting the reasons for the appearance of puberty signs at different times in adolescents 	Analysing the role of hormones secreted by the pituitary gland and drawing a flow chart to explain it	endocrinologist, to express the changes taking place in the body during transformation of a child into an adult, and also analyses the ways to deal with those changes
	Reproductive Phase of Life in Humans	Differentiate between menarche, menstruation and menopause	Giving reasons for occurrence of menstrual cycle	Graphically representing the menstrual cycle.	
•	Sex Determination of the Baby	Explaining that the sex chromosome received from the father is responsible for the sex of a child		Graphically representing the determination of sex of a baby.	
	Hormones Other than Sex Hormones	Listing the hormones secreted by endocrine glands and describing their functions	Correlating the amount of hormones produced in the body to diseases like goitre and diabetes	Analysing hyperthyroidism and evaluating the importance of taking iodised salt	

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Ch.No.	Topic	Knowledge Retention Comprehension Identification Assimilation	Application Correlation Reasoning Problem solving Interpretation	Scientific Skills - Graphical representation - Analysis - Prediction - Ideation	Explorer's Quest
	 Role of Hormones in Completing the Life Cycle of Insects and Frogs 	Describing the role of hormones in the life cycle of a frog and caterpillar	Correlating the quantity of iodine present in water to metamorphosis of frog		
	• Adolescent Health	Explaining the importance of balanced diet, personal hygiene and exercise during adolescence	Correlating the junk food with decreased health of an adolescent		
	Awareness Section	Describing harmful effects of use of drugs and adolescent pregnancy	Suggesting measures to discard myths and taboos prevalent in the society	Framing interesting captions on AIDS, Drug addiction etc.	

	Chemistry			Class 8		
		S	KILL	S		
Ch.No.	Topic	Knowledge Retention Comprehension Identification Assimilation	Application Correlation Reasoning Problem solving Interpretation	Scientific Skills Graphical representation Analysis Prediction Ideation	Explorer's Quest	
1.	Polymers: Synthetic Fibres and Plastics • What are Polymers?	 Defining polymers, monomers and polymerisation Classifying polymers on the basis of their structures Giving a brief outline of different types of polymers 	Correlating the properties of different types of polymers with their end use	Providing a visual representation of different types of structural arrangement of monomers in polymers	The learner conducts some simple tests to judge the suitability of three natural and synthetic fibres for certain uses	
	Synthetic Fibres	 Giving a brief outline of the general process of production of synthetic fibres Describing the composition, properties and uses of four synthetic fibres: Rayon, Nylon, Polyester and Acrylic 	 Correlating the properties of the four synthetic fibres with their uses Giving reasons for the use of a particular synthetic fibre for a specific end use 	Evaluating the importance of the four synthetic fibres discussed in the chapter in our lives and predicting the likely consequences if they do not exist anymore?		

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h.No.	Topic	Knowledge Retention Comprehension Identification Assimilation	Application Correlation Reasoning Problem solving Interpretation	Scientific Skills → Graphical representation → Analysis → Prediction → Ideation	Explorer's Quest
	Plastics	 Classifying different types of plastics Describing the properties and uses of plastics Differentiating between biodegradable and non-biodegardable materials Understanding the causes and effects of environmental pollution caused by plastics Understanding the 4-R principle and describing the ways to reduce environmental pollution caused by plastics 	 Correlating the properties of plastics with their uses Suggesting some ways to prevent the environment from the pollution caused by plastics 		
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		S	KILL	S	
Ch.No.	Topic	Knowledge Retention Comprehension Identification Assimilation	Application Correlation Reasoning Problem solving Interpretation	Scientific Skills Graphical representation Analysis Prediction Ideation	Explorer's Quest
2.	Metals, Non-metals and Metalloids				
	 Physical Properties of Metals and Non- metals 	Describing the general physical properties of metals and non-metals with exceptions	Correlating the properties of metals and non-metals with their uses	Judging the suitability of different metals and non-metals for distinct uses	The learner conducts some simple physical and chemical tests to
		 Comparing the physical properties of metals and non-metals 			observe certain properties of six metal salts
	 Chemical Properties of Metals and Non- metals 	Understanding the general chemical properties of metals and non-metals	Arranging the metals and non-metals in groups based on their reactivity towards different	Predicting the outcomes of certain chemical reactions of metals and non-metals	
		 Writing the correct chemical equations to explain the chemical properties of metals and non-metals 	substances	Predicting the outcomes of displacement reactions of metals	
		Comparing the chemical properties of metals and non-metals			
	 Uses of Metals and Non-metals 	 Stating the general uses of metals and nonmetals Stating the uses of some 	Applying the knowledge about the properties of metals and non-metals to judge the suitability of	Analysing the domestic and commercial importance of metals and non-metals	

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Ch.No.	Topic	Knowledge Retention Comprehension Identification Assimilation	Application Correlation Reasoning Problem solving Interpretation	Scientific Skills Graphical representation Analysis Prediction Ideation	Explorer's Quest
		specific metals and non- metals	different metals and non-metals for distinct uses		
	Metalloids	Defining metalloids and semiconductors Stating the uses of integrated circuits, which, in turn are made from semiconductors	Analysing the commercial importance of metalloids		
	oal, Petroleum and atural Gas Exhaustible and inexhaustible	Defining exhaustible and	, j b j		The learner creat
	natural resources	inexhaustible natural resources along with some examples Understanding the differences between exhaustible and inexhaustible natural resources	exhaustible natural resources should be used thoughtfully		a MS PowerPoint presentation on t environmental at health hazards caused by burnir of fossil fuels
•	Fossil Fuels	 Defining fossil fuels Describing the process of formation of fossil fuels 	 Establishing a relation between the usage of fossil fuels and growth of 	 Analysing the industrial importance of fossil fuels Predicting the outcomes 	

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Ch.No.	Topic	Knowledge → Retention → Comprehension → Identification → Assimilation	Application Correlation Reasoning Problem solving Interpretation	Scientific Skills Graphical representation Analysis Prediction Ideation	Explorer's Quest
		 Describing the significance of fossil fuels 	industrial, power and transportation sector	of complete vanishing of fossil fuels from the earth	
	• Coal	 Defining carbonisation and describing the process of formation of coal 		Evaluating the usefulness of coal?	
		 Defining coal mining and briefly describing two ways of coal mining 			
		 Listing the properties and uses of coal 			
		 Explaining the commercial importance of coal 			
		 Describing the properties and uses of coke, coal-tar and coal gas 			
•	Petroleum	 Describing the process of formation of petroleum Listing the properties of petroleum 	Comparing and contrasting compressed natural gas with fuels like petrol and diesel	 Illustrating the reserves of petroleum and natural gas Drawing a sketch of the process of fractional 	

	S	KILL	S	
Ch.No. Topic	Knowledge Retention Comprehension Identification Assimilation	Application Correlation Reasoning Problem solving Interpretation	Scientific Skills Graphical representation Analysis Prediction Ideation	Explorer's Quest
	 Understanding the process of refining of petroleum Stating the uses of the products obtained by refining of petroleum Explaining the commercial importance of petroleum 			
Natural Gas	 Describing the process of formation of natural gas Listing the properties of natural gas 		Evaluating the usefulness of compressed natural gas	
• Petrochemicals	Defining petrochemicals and describing their uses Explaining the commercial importance of petrochemicals		Evaluating the usefulness of petrochemicals	
Conservation of Fossil Fuels	Understanding the importance of conserving the fossil fuels Describing the ways by which fossil fuels can be conserved	Suggesting measures to reduce the excessive consumption of fossil fuels	Evaluating the importance of fossil fuels and predicting the likely consequences if they vanish from the Earth	

Topic	Knowledge → Retention	Application	Scientific Skills	
	→ Comprehension→ Identification→ Assimilation	Correlation Reasoning Problem solving Interpretation	Graphical representation Analysis Prediction Ideation	Explorer's Quest
	State the threats of using fossil fuels excessively and the benefits of using fossil fuels judiciously			
Combustion and Flame				
Combustion and Inflammable Substances	Defining combustible substances, ignition temperature and inflammable substances Stating the conditions necessary for combustion	Establishing a relation between the ignition temperature and combustibility of a substance		The learner analyses the fire prevention and firefighting systems of their school building
	 Describing the process of burning of a matchstick 			
• Types of Combustion	 Defining complete combustion and incomplete combustion Differentiating between 		Analysing the finer differences between the nature of the four types of combustions discussed in the chapter.	
	complete combustion and incomplete combustion		discussed in the chapter	
	Flame Combustion and Inflammable Substances Types of	fossil fuels excessively and the benefits of using fossil fuels judiciously Combustion and Flame Combustion and Inflammable Substances Defining combustible substances, ignition temperature and inflammable substances Stating the conditions necessary for combustion Describing the process of burning of a matchstick Types of Combustion Defining complete combustion and incomplete combustion Differentiating between complete combustion and incomplete	fossil fuels excessively and the benefits of using fossil fuels judiciously Combustion and Flame Combustion and Inflammable Substances Substances Defining combustible substances, ignition temperature and inflammable substances Stating the conditions necessary for combustion Describing the process of burning of a matchstick Defining complete combustion Describing the process of burning of a matchstick Defining complete combustion Differentiating between complete combustion and incomplete combustion Comparing and	fossil fuels excessively and the benefits of using fossil fuels judiciously Combustion and Flame Combustion and Inflammable Substances Substances Stating the conditions necessary for combustion Describing the process of burning of a matchstick Types of Combustion Defining combustible substances Stating the conditions necessary for combustion Describing the process of burning of a matchstick Analysing the finer differences between the nature of the four types of combustion and incomplete combustion and incomplete combustion Comparing and Comparing and

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Ch.No.	Topic	Knowledge Retention Comprehension Identification Assimilation	Application Correlation Reasoning Problem solving Interpretation	Scientific Skills Graphical representation Analysis Prediction Ideation	Explorer's Quest
	\	different type of combustion Describing different types of combustion: Rapid combustion, spontaneous combustion, explosion and smoldering with examples			
	Fire and Control of Fire	 Listing the essential conditions for occurrence of fires Describing the process of dousing of fire Describing the roles of water and carbon dioxide as fire extinguishers 	Comparing and contrasting the roles of water and carbon dioxide as fire extinguishers	Exploring different fire extinguishers and sorting out that which fire extinguisher should be used depending on the cause of fire	
	• Flame	 Defining flame Describing the characteristic features of the three distinct zones of a candle flame 	Arranging the three distinct zones of a candle flame in the increasing or decreasing order of their hotness	Illustrating the candle flame with proper labeling	
	• Fuels: An Overview	Describing the characteristic features of a good fuel	Justifying why no fuel can be considered as an ideal fuel	Analysing the negative effects of burning of fuels on our	

		S	KILL	S	
Ch.No.	Topic	Knowledge Retention Comprehension Identification Assimilation	Application Correlation Reasoning Problem solving Interpretation	Scientific Skills Graphical representation Analysis Prediction Ideation	Explorer's Quest
		Defining calorific value Describing the harmful effects of burning of fuels	Correlating the location of industries with factors of production	environment and general health of living beings	
5. Poll	lution of Air and ter		1		
• 4	Air Pollution	 Defining air pollution and air pollutants Naming some air pollutants Listing the causes of air pollution Stating the effects of air pollution Describing how air pollution has resulted in marble cancer of the Taj Mahal Describing the greenhouse effect Explaining global warming Stating the ways of preventing air pollution 	Establishing a relation between the causes and effects of air pollution Explaining how greenhouse effect leads to global warming Relating the causes of global warming with its effects	Illustrating the greenhouse effect with proper labeling Predicting the deadly consequences of air pollution if it is not checked presently	The learner tests for the presence of harmful metals in samples of water collected from different sources

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Ch.No.	Topic	Knowledge Retention Comprehension Identification Assimilation	Application Correlation Reasoning Problem solving Interpretation	Scientific Skills → Graphical representation → Analysis → Prediction → Ideation	Explorer's Quest
•	Water Pollution	 Defining water pollution Classifying water pollutants Listing the causes of water pollution Stating the effects of water pollution Describing how air pollution has resulted in pollution of the river Ganga Defining potable water and briefly describing the functioning of water treatment plants Describe the methods of purification of water: Filtration, boiling and chlorination 	Establishing a relation between the causes and effects of water pollution Choosing the most appropriate method of purification of water depending on the nature of the impurities present in it	Predicting the deadly consequences of water pollution if it is not checked presently	
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Physics Class 8 S Knowledge **Application** Scientific Skills Correlation Graphical representation Retention Reasoning **Explorer's Quest** Comprehension Topic Analysis Ch.No. Problem solving Prediction Identification Assimilation Interpretation Ideation 1. Force and Pressure Force · Defining Force Correlating change in the . Analysing the effects of Learner state of rest of motion of force on an object. demonstrates the Differentiating between an object with the force impact of push and pull applied on it atmospheric Identifying the cases pressure using a Correlating the change in when forces are added or soft drink can and the shape of an object subtracted observes and with the force applied on Classifying contact interprets the forces and non-contact results scientifically Correlating the speed forces and direction of force Interpreting the addition or subtracting the forces in the different cases through an activity Pressure Defining pressure Correlating pressure Evaluating the force and area importance of the Comprehending how pressure changes with Correlating between atmospheric pressure in our lives and predicting atmospheric pressure depth the likely consequences and altitude if it does not exist

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Ch.No.	Topic	Knowledge Retention Comprehension Identification Assimilation Comprehending the	Application Correlation Reasoning Problem solving Interpretation Solving real life problems	S Scientific Skills Graphical representation Analysis Prediction Ideation Analysing through an	S Explorer's Quest
2.	Friction	concept of atmospheric pressure	based on the application of atmospheric pressure	activity how does the pressure varies with area and force	
	• Force of Friction	 Describing the force of friction Understanding what causes friction Describing the significance of friction Explaining the disadvantages of friction with examples 	 Correlating the factors on which friction depends Correlating the factors on which friction does not depends Reasoning why lubricants reduces the friction Activity to interpreting how ball bearings reduce friction Explanation of the ways to increase and reduce 	Analysing the action of lubricants	The learner demonstrates that the static friction is greater than sliding friction and confirms that the friction of a body depends on its weight
•	Types of Friction	Classifying static, sliding and rolling friction	friction	Activity to analyse that rolling friction is lesser than sliding friction through an experiment	
•	Fluid Friction	Defining fluid friction	Explaining the factors on which the fluid friction depends	Graphically representing the streamlined shapes	
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		S	KILL	S	
Ch.No.	Торіс	Knowledge Retention Comprehension Identification Assimilation	Application Correlation Reasoning Problem solving Interpretation	Scientific Skills Graphical representation Analysis Prediction Ideation	Explorer's Quest
3.	Sound • Vibration	 Explaining that sound is produced by a Vibrating body Describing the mechanism of production of sound in human Describing the mechanism by which we hear sound through our ears 	Reasoning why sound travels faster through solids rather than liquid or gases	Performing an activity to demonstrate that sound is produced by vibrations	The learner makes a model of a guitar and learns about the relation between vibrations and musical sounds
	Amplitude, Time Period and Frequency of a Vibration	 Defining the terms Amplitude, Time Period, Frequency, Loudness, Pitch Describing audible and inaudible sound 	Correlating between amplitude and loudness of sound and between pitch and frequency	SS	
	Noise and Music	 Differentiating between noise and music Describing the causes, and effects of noise pollution Describing hearing impairment and its treatment 	Solving real life problem of noise pollution	Performing an activity to analyse how the sound notes are produced	

		Knowledge	KILL	S	
Ch.No.	Торіс	Knowledge Retention Comprehension Identification Assimilation	Application Correlation Reasoning Problem solving Interpretation	Scientific Skills Graphical representation Analysis Prediction Ideation	Explorer's Quest
	Chemical Effects of Electric Current			- Ideation	
	 Do Liquids Conduct Electricity? 	Conducting an activity to verify whether liquids conduct electricity or not	Reasoning why some liquids conduct electricity liquids conducts electricity	Graphical representation of the circuit	The learner prepare a comprehensive report on the changes that takes place during the charging and
	Good/Poor Conducting Liquids	Classifying the liquids as good and poor conducting liquids	 Performing an activity to correlate the conductivity of a liquid and the salt present in it Reasoning why short circuit fires must not be 		discharging of a rechargeable batt
•	Chemical Effects of Electric Current	 Identifying the changes that take place during the flow of current in a conducting liquid 	doused with water		
•	Electroplating	 Defining the process of electroplating Classifying the metal used for electroplating Explanation for the need of electroplating 	 Interpreting the changes that take place electroplating through an activity 	Analysing the process of electroysis	F

		S	KILL	S	
Ch.No.	Topic	Knowledge → Retention → Comprehension → Identification → Assimilation	Application Correlation Reasoning Problem solving Interpretation	Scientific Skills Graphical representation Analysis Prediction Ideation	Explorer's Quest
		 Describing the application of electroplating 			
	Some Natural Phenomena				
	• Charges	 Explaining that charges develop the to rubbing Explaining that charged bodies attract or repel each other Understanding different types of charges and their interaction Describing the working of simple electroscope Explaining the significance of earthing 	Reasoning why does the hair stands up when we take off the cap Understanding the process of earthing through working of electroscope	Analysing the working of simple electroscope	The learner designs and makes a workin model of a seismograph and interprets its readin scientifcally
•	Lightning	 Describing the process of lightning and the steps involved in it. Describing the indoor and outdoor measures to be taken during lightning Describing the lightning conductor 	 Practically demonstrating the steps to be taken when caught out doors during the lightning. Reasoning how lightning conductors keep the building safe during lightning 		

		S	KILL	S	
Ch.No.	Topic	Knowledge Retention Comprehension Identification Assimilation	Application Correlation Reasoning Problem solving Interpretation	Scientific Skills Graphical representation Analysis Prediction ideation	Explorer's Quest
	Earthquake	 Explaining what is an earthquake Describing the Richter scale, Fault zones, Seismograph Identifying and making the various earthquake zones on an outline map of India Describing the steps taken during an earthquake 	 Explaining the causes of an earthquake. Correlating the movement of tectonic plates and earthquake 	Analysing the various causes of earthquake.	
6. Liş	ght				
	Reflection of Light	 Defining the reflection of light Defining the terms: incident ray, reflected ray, normal, angle of incidence, angle of reflection Stating the laws governing reflection of light Describing the properties of image formed 	 Conducting an activity to verify the laws of reflection Correlating between the angle between the two plane mirror and the number of images formed Understanding the working principle of kaleidoscope Solving real life problems using 	Making a labelled diagram to show reflection of light Analysing how the image is formed Making a labelled diagram of the working of periscope	The learner conduction online color blindness test on his/her class mates and correlates information collected with the data complied through an actual sample group

		S	KILL	S	
Ch.No.	Topic	Knowledge Retention Comprehension Identification Assimilation	Application Correlation Reasoning Problem solving Interpretation	Scientific Skills Graphical representation Analysis Prediction Ideation	Explorer's Ques
		 Differentiating between regular and diffused reflection Describing the phenomena of multiple reflection Description of how to make a kaleidoscope Describing the uses of kaleidoscope 	principles of periscope		
	Dispersion of Light	Differentiating between natural and artificial dispersion	 Correlating the formation of rainbow with dispersion of light Conducting an activity to form an artificial rainbow 	Analysing how a rainbow is formed	
	• The Human Eye	 Describing application of the different part of human eye Explanation of the important concept related to human eye and vision Describing the disorders (Myopia, 		Analysing the persistence of vision by making a flipbook	

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Ch.N	o. Topic	Knowledge → Retention → Comprehension → Identification → Assimilation	Application Correlation Reasoning Problem solving Interpretation	Scientific Skills Graphical representation Analysis Prediction Ideation	Explorer's Quest
	• Visual Impairment	Cataract) related to human eye Describing how to take care of eyes Defining visually challenged person Explaining Braillle code system Describing various optical and non optical aids for visually challenged persons			
7.	Starts and the Solar System • The Moon	Describing the Moon and its surface	Explaining the different phases of Moon	Representing the different phases of moon graphically	The learner prepares a report on the application of GPS system and draws inferences through Internet research
	• The Stars	 Describing the distance of the stars from earth Describing the constellation (Ursa Major, Ursa Minor, 	Reasoning why the pole stars appears stationary Reasoning why Sun and other stars appear to move from west to east	constellations	

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Ch.No.	Topic	Knowledge Retention Comprehension Identification Assimilation	→ Rease	ion elation oning lem solving pretation		Scientific Skills Graphical representation Analysis Prediction Ideation	Explorer's Quest
- The	e Solar System	Orion, Cassiopeia, Scorpius) Describing the Sun Explaining the different properties of all eight planets Describing the other members of the solar system such as asteroids, meteors, comets Classifying between natural and artificial satellite Describing the applications of artificial satellite	no mo • Explain the factorial controls and the factorial controls are also as a second control of the factorial controls are also as a second control of the factorial controls are also as a second control of the factorial controls are also as a second control of the factorial controls are also as a second control of the factorial control of the	ning why Pluto re a planet ning the factor tors that make ssible on Earth	rs e	Calculating the body weight on the different planets	

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History

${\rm Class}\ 8$

		S	KILL	S	
Ch.No.	Topic	Knowledge Retention Comprehension Identification Assimilation	Application Correlation Reasoning Problem solving Inference	Social Science Skills Graphical representation Awareness Imagination Image analysis	Explorer's Quest
1.	East India Company: Arrival, Change in Nature and Rule • Trade and Politics	Enlisting the acquired information of different European trading companies and their operational strategy	 Inferring the importance of trading posts in Indo- European trade relations Correlating the balance of power between the trading posts and Indian powers with the price rise in spice market 	Creating awareness about the events which took place between East India Company and the Nawab of Bengal	The learners form groups of four to research about Boer war and prepare an MS PPT for the rest of the learners
	Company Eyes Bengal	 Identifying the weaknesses of the Indian rulers Identifying the causes of cold relations between the Nawab and East India Company Identifying and enlisting the repercussions the province of Bengal faced under the aggressive 	Reasoning the downfall of Mughal power and the rise of powerful Zamindars Inferring the declarations of the East India Company and how it rose itself to the position of Nawab		
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		S	K I L L	S	
Ch.No.	Topic	Knowledge Retention Comprehension Identification Assimilation	Application Correlation Reasoning Problem solving Inference	Social Science Skills	Explorer's Ques
		expansion policy of East India Company			
2.	Beginning of Company Rule in India Company Controls Empire Further Conquests	 Identifying the ecopolitical conditions of the province of Bengal under the Company rule Enlisting the acquisition policies of the government Understanding how the Company indirectly controlled the territories under Indian rulers 	 Reasoning the placement of Residences in various regional courts by East India Company Reasoning the use of Subsidiary Alliance by the East India Company 	Creating awareness about the changing territorial control of the East India Company on an 18th century map of India Imagining the consequences if East India Company had no interest in rural cultivation	Learners prepare a play displaying the contemporary conditions of Indian cultivators i comparison to the cultivators of 1800s
	Other Spheres of Administration	Identifying the four main food crop and cash crop exports from India to Europe	Inferring the need of the East India Company to impose a uniform law irrespective of religious background		
	The Rural Churnings	Enlisting the effects of forced Indigo cultivation on rural cultivators			

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		S	KILL	S	
Ch.No.	, Topic	Knowledge → Retention → Comprehension → Identification → Assimilation	Application Correlation Reasoning Problem solving Inference	Social Science Skills Graphical representation Awareness Imagination Image analysis	Explorer's Quest
3.	Experiments and Expansion under the Company Rule • Company's Revenue Systems	Assimilating information about the different revenue collecting policies of the Compnay	Correlating the annexation policies adopted by the East India Company towards different regional kingdoms of India which were under local rulers	 Presenting graphically the territory of NWFP on a map of present day India Graphically representing the territory of Awadh on a present day map of India 	Learners research about the 'Great Game', its participants and other details about the historical event
	 Acquisition Policies 	Identifying the conditions of NWFP and its control by East India Company	Inferring the motives of East India Company behind conquering the NWFP		
•	Military Administration	Assimilating information about the experiments conducted under East India Company to procure as much revenue as possible	Inferring the stronghold of Raja Ranjit Singh on Punjab and the defense ability of Punjab		
٠	Tribal Societies	 Enlisting the regional kingdoms affected by the Doctrine of lapse 		Creating awareness about the adverse affects of forest laws on	

		S	KILL	S	
Ch.No.	Topic	Knowledge Retention Comprehension Identification Assimilation	Application Correlation Reasoning Problem solving Inference	Social Science Skills Graphical representation Awareness Imagination Image analysis	Explorer's Quest
		Identifying the military set up of East India Company		the traditional belief system of the tribes occupying the present day Chota-Nagpur area	
4.	Revolt of 1857: Rising against the Raj - Society and Company	 Identifying the exportimport relations in the mid-19th century between India and Britain Identifying and classifying the East India Company laws which affected the social fabric of India 	Evaluating the inter- related causes for the rise of Sepoys and peasants against the East India Company policies	to the East India	Learners create a map of India with highlights on the cultural aspects of different regions
	• The Revolt of 1857	Enlisting the incidents of Revolt of 1857 and the resultant legal changes	Inferring the causes behind the emergence of leadership of Revolt of 1857 from social segments which had previously not shown leadership abilities	Graphically representing information in a flow chart where the aftereffects of the revolt are highlighted	

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	S	KILL	S	
Ch.No. Topic	Knowledge Retention Comprehension Identification Assimilation	Application Correlation Reasoning Problem solving Inference	Social Science Skills - Graphical representation - Awareness - Imagination - Image analysis	Explorer's Quest
Towards National Integration-ITextile	Identifying the relevance of textile industry during mid- nineteenth century		Creating awareness about the difficulties faced by iron smelters under colonial rule in regional markets	Learners practice changing different dialects of English into modern day usage for better understanding
Metal Industry	Retaining information on the changes brought about by the colonial imposition on the prevalent system of education	Correlating the decline in furnace and local iron implement manufacturing with the imposition of law by colonial government		
• Education	Enlisting features of the changed education system under the imposed rule of Woods Despatch	Reasoning the support Indian knowledge streams received from British Orientalists Correlating the multiple changes that occurred under the Woods Despatch against the previously prevalent system	 Generating opinions from learners about the possible reactions from the teachers of traditional education system under Orientalists Creating awareness about the effect of Woods Despatch on the individual students of a village Pathshala 	
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		S	KILL	S	
Ch.No.	Topic	Knowledge Retention Comprehension Identification Assimilation	Application Correlation Reasoning Problem solving Inference	Social Science Skills Graphical representation Awareness Imagination Image analysis	Explorer's Ques
6.	Towards National Integration-II • Reform Movements	Comprehending the details of Sati and why it was banned Inlisting the means of communication which spread awareness regarding the spheres in which reforms are needed Retaining information on reformers whose contribution was especially important to womens' education	Reasoning the reliance on religious scriptures by reformers for legitimacy Inferring the causes for the rise in reform movements in the midnineteenth century India Reasoning the social conditions which lead to the restrictions on girl's education	Creating awareness about the existence of social practices like Sati and polygamy Creating awareness about the possible topics on which a 19th century girl should have been educated Creating awareness and encouraging the learners to support a 19th century social cause	Learners discover vacations through which rural widow: could be supported and made financially independent
	Caste Inequalities	Enlisting the prominent leaders who led movements against social inequality on the basis of castes	Reasoning the support Aryan Theory received from a leader like Jyotiba Phule	Creating awareness about the reform movements among the Parsis and Sikhs	
	Indian National Movement-I • Young Bengal Movement	Comprehending the rise of educated Indians into national politics	Correlating between the migration of certain communities outside India and the social condition which forced	Creating awareness about the Vandemateram Movement among the communities which	Learners create an MS PPT on the importance of supporting manufactures and

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Ch.No	o. Topic	Knowledge Retention Comprehension Identification Assimilation	Application Correlation Reasoning Problem solving Inference	Social Science Skills Graphical representation Awareness Imagination Image analysis	Explorer's Quest
	Reforms and Nationalism	Enlisting the various colonial laws which restricted the spread of nationalist enthusiasm across all sections of society	them to migrate from India Reasoning the effects of Ilbert Bill controversy	were not directly affected by the partition of 1903	products of Indian origin, especially Herbal products
	• Indian National Congress	Identifying the founders of Indian National Congress	Inferring how the nationalist leaders reacted at the decision of partition		
	 India and the First World War 	Identifying the Congress functioning and the affects of First World War on India	 Inferring the impact and contribution of Swadeshi Movement among the rising Indian nationalist trend 	Ideating the possible difficulties faced by the masses during the shortage of commodities while India was forcibly involved in the First World War	
	Indian National Movement-II • Mohandas Karamchand Gandhi	Understanding the related information of mass national	Reasoning the agitation against Simon Commission by the		Learners formulate policies which will benefit the

		S	KILL	S	
Ch.No.	Торіс	Knowledge Retention Comprehension Identification Assimilation	Application Correlation Reasoning Problem solving Inference	Social Science Skills Graphical representation Awareness Imagination Image analysis	Explorer's Quest
		movement in the beginning of the 20th century	nationalist		underprivileged of the society and enable them to earn a living
	Non-Cooperation and Khilafat Movement	Retaining the details of Non-Cooperation Movement and the events leading to the Salt Act	Evaluating the relevance of Khilafat Movement on the development of Indian nationalism	Creating awareness about the constitution drafting community	
	 Dandi March and Civil Disobedience Movement 		Evaluating the unifying factors of the Dandi March and its impact on the Indian National Movement		
	• Subhash Chandra Bose	Comprehending the four aspects of Government of India Act 1935	Reasoning the formation of an all India military body like the All India Forward Bloc Reasoning the shortcomings of All India Forward Bloc which resulted in its failure to defeat the colonial forces		

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Ch.No.	Торіс	Knowledge Retention Comprehension Identification Assimilation	Application Correlation Reasoning Problem solving Inference	Social Science Skills - Graphical representation - Awareness - Imagination - Image analysis	Explorer's Quest
9.	Independent India First Voice of Independent India Birth of Independent India's Constitution	 Identifying the events and speech of Nehru on the eve of Independence Comprehending the main features of the Indian Constitution 		Creating Awareness about the main languages spoken in different regions of India through a physical map	Learners research by creating a questionnaire on the contemporary social issues which need attention and reform
	 Separatist Tendencies and Regional Identities Changing Economy of Independent 	Identifying the fields in which the Five-Year plans launched development	Correlating the linguistic communities with separatist movements across India Reasoning the differences in the First Five-Year Plan with the later plans Inferring the targets of the 11th Five-Year Plan and its scope in the contemporary development		
	Contemporary India	Retaining the details of different educational programs initiated by the government towards technology and management	Reasoning the areas where more progress could take place and areas where India is yet to meet the world standard		

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Ch.No.	Topic	Knowledge → Retention → Comprehension → Identification → Assimilation	Application Correlation Reasoning Problem solving Inference	Social Science Skills Graphical representation Awareness Imagination Image analysis	Explorer's Quest
	· Indian Foreign Policy	 Assessing the developments of India after 63 years of independence Identifying the different aspects of Indian Foreign Policy and the nations it shares close ties with 		Creating awareness about India's foreign policy	
10.	The Making of Delhi Formation of Capitals in Delhi	Identifying the number of capitals established in Delhi before the establishment of New Delhi under colonial rule		and conditions of masses under the rule of Mughals	Learner designs a new city to accommodate human population keeping their requirements in
	Revolt of 1857 and Delhi	Comprehending the position of Delhi before, during and after the revolt of 1857	 Reasoning the need for change in capital after the Revolt Correlating the different Durbars held in Delhi by different Viceroys and the significance of these Durbars 	Creating awareness about the Durbars held by Viceroys in Delhi and increasing British presence in Delhi	mind

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ch.No.	Topic	Knowledge Retention Comprehension Identification Assimilation	Application Correlation Reasoning Problem solving Inference	Social Science Skills - Graphical representation - Awareness - Imagination - Image analysis	Explorer's Quest
,	Expansion of the Walled City	Identifying the need for expansion schemes like the Lahore Gate Improvement Scheme for the population of Delhi	 Reasoning the need for establishment of New Delhi and its new regions 	officers Creating awareness about the works of colonial photographers and architects in India	
	Planning New Delhi		Inferring the contemporary socio- political developments in New Delhi	Creating awareness about the architectural styles used for building New Delhi by the British	
1.	Partition and Influx in Delhi		Assessing the effect of Partition on the infrastructure of New Delhi		
	History of Art Introduction to Art	Identifying the different categories of paintings	Reasoning the depiction of Indian landscape in a certain way in Picturesque paintings	Creating awareness about the need for portrait paintings among the different sections of Indian nobility and British officers	Learners created paintings on each other to identify challenges involunthe work of a handpainting as
•	Historical Events	 Understanding the importance of historical paintings from the point of view of colonial officers and nationalists 			

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h.No.	Topic	Knowledge Retention Comprehension Identification Assimilation	Application Correlation Reasoning Problem solving Inference	Social Science Skills Graphical representation Awareness Imagination Image analysis	Explorer's Ques
•	Indian Art Forms	Understanding the Indian art forms developed under colonial rule based on patriotism	Inferring the different ideologies at work behind the development of art form under Kalighat artists, Raja Ravi Varma and Jamini Roy		
٠	Photography and Architecture			Creating awareness about the works of colonial photographers and architects in India	

Civics

Class 8

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Ch.No.	Topic	Knowledge Retention Comprehension Identification Assimilation	AI I	oplication Correlation Reasoning Problem solving Inference	S	ocial Science Skills Graphical representation Awareness Imagination Image analysis	Explorer's Quest
	Constitution of India: An Introduction Understanding the Constitution	 Understanding the meaning and significance of the Constitution Comprehending the purpose of the Constitution 		Analysing the requir conditions to form a constitution in a heterogeneous socid	1	 Creating awareness about the significance of rules in a day-to-day life through an activity Discussing the importance of the need for making a comprehensive constitution 	The learner delves into the making of the Constitution and analyses the structure of the Indian Constituent Assembly and the influence of constitutions of
	Making the Constitution of India	Understanding the socio-political factors that influenced the structure of the Constitution	٠	Correlating the effect colonial rule and ot pre-existing condition that contributed an influenced the makes the Constitution	her ons d	 Representing graphically the making of the Constitution 	countries on the Indian Constitution by preparing an MS PowerPoint presentation.
	Key Features of the Constitution of India	Comprehending the important characteristics of the	٠	Discussing the aims the Constituent Assembly	s of	Expanding the idea of secularism on the importance of religious	

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	S	KILL	S	
Ch.No. Topic	Knowledge Retention Comprehension Identification Assimilation	Application Correlation Reasoning Problem solving Inference	Social Science Skills Graphical representation Awareness Imagination Image analysis	Explorer's Quest
• Constitution: A Living Document	Constitution of India Recognising the importance of fundamental rights in the Constitution Retaining the broad categories of guidelines mentioned under the directive principles of state policy Grasping the idea of an adapting, contemporary and reinventing constitution	 Analysing the importance of the idea of mutual coexistence in a multi-religious society through an activity Explaining the multifaceted concept of parliamentary form of government with the help of a pictorial representation Reasoning the need of the idea of amendments in the Constitution 		
2. Understanding Secularism• Secularism	 Understanding the concept of secularism Defining the term secular state Recognising the need for separation between religion and state 	Analsying and justifying the need for the separation between religion and state	Expanding the idea of secularism and placing it into the realm of India Constitutio	The learner organises a discussion on a historically important incident and jots down similarities and dissimilarities in

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		S	KILL	S	
Ch.No.	Торіс	Knowledge Retention Comprehension Identification Assimilation	Application Correlation Reasoning Problem solving Inference	Social Science Skills Graphical representation Awareness Imagination Image analysis	Explorer's Quest
	How Secularism Works in India	 Assimilating different strategies through which secularism works in India Identifying the application of the idea of secularism in different countries Understanding the importance of religious harmony 	 Comparing the different ways of working of secularism in two different countries Inferring the need for religious harmony in society 	 Imagining about the application of the concept of secularism in two different countries and its following repercussions Creating awareness about an international issue of banning of religious symbols in educational institutions 	difference of opinions.
3. F	Parliament of India Parliamentary System	 Understanding the composition, structure and nature of the Parliament of India Comprehending the composition and working of the Lok Sabha and formation of a government Recognising the role of the Speaker, Rajya Sabha, Lok Sabha and the President in being the part of Parliament 	 Enlisting the roles and responsibilities of the various key features of the Parliament and correlating it with the role of representatives played in strengthening the democratic structure. Discussing the topic of 'should there be a minimum educational qualification for the representatives or not?' 	Graphically representing the procedure of making a bill into an act Creating awareness by organising a mock parliamentary session on the idea of importance of the question hour session Creating awareness on the issue of women reservation in the Parliament	
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		S	KILL	S	
Ch.No.	Topic	Knowledge Retention Comprehension Identification Assimilation	Application Correlation Reasoning Problem solving Inference	Social Science Skills Graphical representation Awareness Imagination Image analysis	Explorer's Ques
	Importance of Parliamentary Democracy	 Understanding the journey of a Bill to an Act Understanding the concept of budget in the Parliament Comprehending the importance of the parliamentary democracy 	 Generalising and evaluating the presence of elected representatives in the houses of the Parliament Discussing the presence of people from different walks of life in the Parliament 		
4.	Judiciary in India Judiciary	 Defining the term judiciary Understanding the purpose of setting judiciary and its importance Understanding the need for an independent judiciary 	 Analysing the importance of judiciary Debating on the broad idea of preferential justice and analysing its importance in a society 	Creating awareness about the role of judiciary in ensuring rights of the citizens	The learner takes up PIL cases filed on environmental issues and writes an informative article on the same

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		S	KILL	S	
Ch.No.	Topic	Knowledge Retention Comprehension Identification Assimilation	Application - Correlation - Reasoning - Problem solving - Inference	Social Science Skills Graphical representation Awareness Imagination Image analysis	Explorer's Quest
	Structure of Courts in India	 Enlisting the role of judiciary in India Understanding the importance of an integrated judicial system Classifying the roles and responsibilities of courts at different levels 	 Drawing conclusions on the basis of a case study to understand the distinct role played by judiciary in India Analysing the nature of work commissioned by judiciary apart from administering justice Discussing the role of the judiciary in ensuring the rights of citizens 	Graphically representing the structure of the courts in India Creating awareness about the concept of PIL	
Syst.	minal Justice tem of India Role of the Police Role of the Public Prosecutor	 Enlisting and understanding and the role and responsibilities of the police Classifying cases into civil and criminal Understanding the role of the public prosecutor in the criminal justice 	 Analysing the tasks performed by police in investigation of a crime Comprehending the role played by a public prosecutor during a trial 	about the importance of	The learner collectinformation on cyber crime by using the internet as a primary source and writes an investigative repoon it.

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Ch.No.	Topic	Knowledge Retention Comprehension Identification Assimilation	Application → Correlation → Reasoning → Problem solving → Inference	Social Science Skills → Graphical representation → Awareness → Imagination → Image analysis	Explorer's Quest
		system	and analysing its importanceEvalauating the need for having new laws by conducting an activity	 justice system Improvising the existing rules and giving chance to promulgate new rules 	
	Role of the Judge	 Comprehending the role played by a judge during a trial Identifying the important steps to be followed during a fair trial Summarising the topic criminal justice system 	Recognising and reasoning the significance of fair trial in a criminal justice system	Creating awareness about the need for a having a fair trial system	
6.	Understanding and Confronting Marginalisation				
	Adivasis in India	Understanding the concept of marginalisation and its consequences on the marginalised sections of the society	 Reasoning out the cause of marginalisation in different groups in India Generalising the marginalisation of a minority community by using statistical data 	awareness about the different ways of lifestyle followed by Advasis Graphically representing	on an issue of soc

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Ch.No, Topic	Knowledge Retention Comprehension Identification Assimilation	Application Correlation Reasoning Problem solving Inference	Social Science Skills Graphical representation Awareness Imagination Image analysis	Explorer's Quest
		Analysing the foundation on which marginalisation based on socio- economic factors stands	Showing the distribution of different types of major crops on the map of India and the world	
		Explaining the causes and effects of marginalisation of Adivasis due to industrialisation and development		
		Correlating the causes and effects of industrialisation on the marginalisation of the Adivasis		
 Assertion of Dignity and Rights 	Assimilating and understanding the role of art and literature in asserting the dignity and rights of the marginalised groups	 Correlating the importance of art and literature in asserting one's rights and dignity Examining the aims and anaslysing the 	Using an art form to reflect the idea of importance of dignity and self-respect	
	Explaining the role of government in eliminating inequalities among marginalised groups	importance of the philosophy behind the laws promulgated for the safeguarding of the marginalised		

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Ch.No.	Topic	Knowledge Retention Comprehension Identification Assimilation Enlisting the laws made by government in removing inequalities among the marginalised	Application Correlation Reasoning Problem solving Inference	Social Science Skills Graphical representation Awareness Imagination Image analysis	Explorer's Ques
7.	Economic Presence	groups			
	of the Government • Public Facilities	Understanding the core concept of public facilities and explaining the role of government in providing them Understanding the role of private sector in collaboration with the government in providing public facilities Enlisting the laws made by the government to save environmental	 Inferring the availability of public facilities in India by pictoral and statistical representation Enlisting the role of government in providing facilities and its analysing direct implication on the society through an activity Speculating and reasoning the contribution of labourers in safeguarding the environment 	Creating awareness about the importance of public facilities and environmental issues Representing the role of government in providing public facilities through pictures Expanding the idea of 'save environment' by linking its effects with the conditions of workers	The learner researches the current issues in environment and writes commentaries, postories on a blog

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		S	KILL	S	
Ch.No.	Topic	Knowledge Retention Comprehension Identification Assimilation	Application Correlation Reasoning Problem solving Inference	Social Science Skills Graphical representation Awareness Imagination Image analysis	Explorer's Quest
	Ensuring Rights of Workers	 Understanding the role of government in ensuring the rights of workers Enlisting the laws made by the government to protect labourers against different types of discriminations Demonstrating the issue of child labour by presenting a case study 	 Analysing the role of government in ensuring rights of labourers Inferring the conditions of child labour with the help of a case study 	 Representing graphically the role of government in ensuring the rights of the labourers Sensitising by explaining the problem of child labour and encouraging learners to represent this idea pictorially 	
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	Geography			Class 8		
		S	KILL	S		
Ch.No.	Topic	Knowledge Retention Comprehension Identification Assimilation	Application Correlation Reasoning Problem solving Inference	Social Science Skills Graphical representation Awareness Imagination Image analysis	Explorer's Quest	
1.	Introduction to Resources					
	Types of Resources	 Understanding the concept of resources and listing different types of resources Distinguishing different types of natural resources Classifying natural resources on the basis of origin, distribution, utility and renewability Defining human resource and understanding how natural resources can be made useful by transforming them into human-made resources 	 Discussing the advantages and disadvantages of actual and potential resources through an activity Analysing the real life situation through a case study and answering questions based on it 	Preparing a report on the processes involved in the creation of human-made resources through an activity	data on the number	
	 Conservation of Resources 	 Defining sustainable development 		Making a PowerPoint presentation on		

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Ch.No. Topic	Knowledge Retention Comprehension Identification Assimilation	Application Correlation Reasoning Problem solving Inference	Social Science Skills Graphical representation Awareness Imagination Image analysis	Explorer's Quest
	 Enlisting ways to conserve natural resources 		conservation of natural resources	
Land and Soil Resources				
Land Resources	 Enlisting the uses of land resources Discussing the physical and human factors affecting land utilisation Classifying land resources on the basis of ownership and sustainability in terms of agriculture 	Analysing the land use pattern of India and the World through map and data	Creating awareness on problems related to land resources and methods for its conservation	The learner prepares a map of India showing the location and distribution of different types of soil in India.
Soil Resources	 Defining soil profile Enlisting and discussing the factors affecting soil formation 	 Explaining the reasons for the distribution of different types of soil in India 	Presenting graphically the types of soil found in India	
	 Enlisting the types of soil found in India Explaining the characteristics of different soils found in India 	Evaluating the methods of soil conservation		

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Ch.No	. Topic	Knowledge → Retention → Comprehension → Identification → Assimilation	Application Correlation Reasoning Problem solving Inference	Social Science Skills Graphical representation Awareness Imagination Image analysis	Explorer's Ques
		 Defining soil erosion Distinguishing between erosion and weathering; sheet erosion and gully erosion Discussing the factors affecting soil erosion and method of soil conservation 	Analysing the real-life situation through a case study and answering questions based on it		
3.	Water Resources				
	• Introduction to Water Resources	 Identifying the uses of water resources Classifying water resources Discussing the distribution of water resources in India and the world Defining freshwater and classifying the same 	Analysing and interpreting the distribution of water resources in different continents through an activity	Showing graphically the distribution of water resources in India and the world	The learner prepares a model show surface water underground water pollution.
	Multipurpose Projects	 Defining multipurpose project Enlisting the major multipurpose projects in India 	 Analysing the multipurpose projects by discussing their advantages and disadvantages 		

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Ch.No	o. Topic	Knowledge Retention Comprehension Identification Assimilation	Application Correlation Reasoning Problem solving Inference	Social Science Skills Graphical representation Awareness Imagination Image analysis	Explorer's Quest
	Water Scarcity	 Defining water pollution Classifying water pollution on the basis of its location and source Distinguishing between point and non-point water pollution; surface water and groundwater pollution 	Analysing the effects of water pollution	Creating awareness on the problem of water scarcity in the world	
	Conservation of Water Resources	Enlisting the methods of conservation of water resources	 Practicing the method of drip irrigation through activity Analysing a real life situation through a case study and answering questions based on it 	Discussing the tips for saving water and importance of water conservation	
а	Natural Vegetation and Wildlife Resources				
	Natural Vegetation	 Defining natural vegetation Classifying natural vegetation 		Showing the distribution of natural vegetation in India through a map	The learner prepares a colla from the slogan cutouts on the

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Ch.No.	Topic	Knowledge → Retention → Comprehension → Identification → Assimilation	Application Correlation Reasoning Problem solving Inference	Social Science Skills Graphical representation Awareness Imagination Image analysis	Explorer's Quest
		 Classifying forests as evergreen forest and deciduous forest; tropical and temperate evergreen and decidous forest Enlisting the types of natural vegetation found in India and discussing their characteristics Enlisting and discussing the uses of natural vegetation 			conservation of endangered species of wild animals found in India.
	Wildlife Resources	 Defining wildlife resources Enlisting the uses of wildlife resources Enlisting the endangered wildlife species in India 	 Evaluating the threats and the related measures taken towards the conservation of natural vegetation and wildlife resources Analysing the reasons for wildlife species of India getting endangered Analysing a real-life situation through a case study and answering questions based on it 	Showing the distribution of wildlife resources in India including National Parks, Bird Sanctuaries and Tiger Projects through a map Creating awareness on conservation of wildlife and natural resources	

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Ch.No.	e de la composition della comp	Knowledge Retention Comprehension Identification Assimilation	Application Correlation Reasoning Problem solving Inference	Social Science Skills Graphical representation Awareness Imagination Image analysis	Explorer's Ques
5.	Mineral and Power Resources				
	Mineral Resources	 Classifying the types of mineral resources Enlisting and discussing the different methods of extraction of minerals Enlisting the uses of mineral resources 	Distinguishing between open cast mining and shaft mining	 Representing the different types of minerals graphically through an activity Representing the distribution of minerals in India and the world on a map Creating awareness on conservation of mineral resources 	The learner prepares a PowerPoint presentation on oi exploration and coal mining/quarrying
	Power Resources	 Defining conventional and non-conventional power resources Enlisting the uses and location of conventional and non-conventional power resources 	 Analysing the advantages and disadvantages of conventional and nonconventional energy resources Analysing a real life situation through a case study and answering questions based on it 		

		S	KILL	S	
Ch.No.	Topic	Knowledge Retention Comprehension Identification Assimilation	Application Correlation Reasoning Problem solving Inference	Social Science Skills Graphical representation Awareness Imagination Image analysis	Explorer's Quest
6.	Agriculture				
	Farming System	 Describing the process of farming system Discussing factors affecting agriculture 			The learner prepares a report of the advantages and disadvantages of Genetically Modified (GM) crops.
	Types of Farming	Classifying the types of farming and further sub- classifying subsistence and commercial farming			
		 Describing shifting cultivation and nomadic herding 			
		 Discussing different types of commercial farming 			
		 Enlisting the location of various commercial crops in the world 			
	Major Crops	Enlisting the major crops of the world under different categories	Analysing the essential requirements for the growth of different types of major crops	Showing the distribution of different types of major crops on the map of India and the world	

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Ch.No. Topic	Knowledge Retention Comprehension Identification Assimilation	K I L L Application Correlation Reasoning Problem solving Inference	Social Science Skills Graphical representation Awareness Imagination Image analysis	Explorer's Quest
• Agricultural Development	 Enlisting the location of different types of commercial and plantation crops in India and the world Describing agricultural development and its importance 	 Correlating the farming system in developed countries with that of developing countries Analysing a real life situation through a case study and answering questions based on it 	 Showing the distribution of major commercial and plantation crops on the map of India at the world Creating awareness on the status of agricultural practices in India 	
IndustriesClassification of Industries	Classifying industries on the basis of raw material, size and ownership along with examples			The learner design textile prints for fabrics meant for formal and inform wears.
• Factors Affecting Location of Industries		Correlating the location of industries with factors of production	5	

		S	KILL	S	
Ch.No.	Topic	Knowledge Retention Comprehension Identification Assimilation	Application Correlation Reasoning Problem solving Inference	Social Science Skills Graphical representation Awareness Imagination Image analysis	Explorer's Quest
	• Industrial Regions	 Enlisting the major industrial regions of the world and India Enlisting the major industries and their location in the world 	Analysing the distribution of industrial regions around the world	Showing the major industrial regions and industrial belts of the world on a map Showing the location of the major industrial regions on the map of India	
	Industrial System	Defining industrial system and discussing the same	Analysing the industrial system through: a. Iron and steel industry b. Cotton and textile industry c. Information technology industry Comparing the industries in India with industries of a developed country	Showing the distribution of iron and steel industry, cotton and textile industry and IT industry on the map of India	
	• Industrial Polltuion	 Describing how industries are responsible for four types of pollution 	Analysing a real life situation through a case study and answering questions based on it		

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Ch.No.	Topic	Knowledge Retention Comprehension Identification Assimilation	Application - Correlation - Reasoning - Problem solving - Inference	Social Science Skills Graphical representation Awareness Imagination Image analysis	Explorer's Quest
3.	Human Resources				
	Distribution of Population	 Defining population Comprehending the distribution of world's population using a pie diagram 		Showing the ten most populous countries of the world graphically	The learner prepares a population pyrami from a sample of data collected from neighbourhood.
•	Density of Population	Defining density of population		Showing the density of population around the world and in India through a map	
•	Factors Affecting Distribution of Population	Enlisting the factors affecting the distribution of population	Evaluating the various geographical, socio- cultural and economic factors affecting the distribution of population		
	Population Change	 Defining population change and natural growth rate 	 Analysing population explosion 	 Analysing the bar graph showing world population growth 	
		 Classifying the types of migration as emigration and immigration and distinguishing between the two 			

Knowledge Retention Ch.No. Topic Retention Comprehension Identification Assimilation Pattern of Population Change Population Change Population Composition Composition Composition Composition Reasoning Problem solving Inference Correlating the	Social Science Skills Graphical representation Awareness Imagination Image analysis Analysing the pattern of population change in the
Population Change Population Defining population Correlating th	
composition and population pyramid Understanding the components of population structure Classifying population into dependent and productive population study and ansiquestions base	e smposition opped, id untry with oppulation al life ugh a case wering world through a map • Showing population composition through a population pyramid