

SYLLABUS

class-7

ENGLISH Grammar

Class 7

			S K I	LLS		
Ch.No.	Topic	Listening → Visualisation → Assimilation → Critical thinking	Speaking → Articulation → Extempore → Interactive communication	Reading → Comprehension → Interpretation → Analysis	Writing → Creative writing → Academic writing → Documentation	Apprentice Work
1.	Determiners Types of determiners Position of determiners	 Describe something that he/she has heard Spot the determiners Listen for errors and reason out 	 Plan a scene Use of appropriate language with accuracy in usage of determiners Organise thoughts on the given topic Speak with fluency and accuracy Speak with right intonation and pauses Interview personalities 	 Read and research to find details Study about a personality of interest Find out more information about a place of interest Comprehend and appreciate the cartoon strip and get clarity about determiners 	 Organise ideas Describe the events occurring in school in a precise and effective manner, highlight the determiners Present the work in a legible form in a given time Edit and proof read 	As an apprentice of journalism, the learner prepares a power point presentation about a tourist spot.
2.	AdjectivesPositioning of adjectivesComparison of adjectives	 Spot the adjectives Brainstorm Listen to his/her peers Imagine and visualise details 	 Brainstorm Speak out clearly Reason out Organise his/her thoughts based on the given topic 	 Recognise and identify the adjectives Decipher visual inputs 	 Organise the adjectives Document observations Check the flow of ideas 	As an apprentice of theatre, the learner organises a puppet show.

Ch.No.	Topic	Listening Visualisation Assimilation Critical thinking	S K I Speaking Articulation Extempore Interactive communication	L L S Reading Comprehension Interpretation Analysis	Writing → Creative writing → Academic writing → Documentation	Apprentice Work
		 Think critically Listen for details 	 Speak spontaneously and fluently Usage of correct and appropriate adjectives Use of suitable body language 	 Appreciate the usage of adjectives Comprehend and appreciate the cartoon strip and get clarity about adjectives 	 Think critically Analyse and change into comparative form of adjectives Mention specific details using suitable adjectives Present neatly and legibly 	
	Adverbs • More about adverbs • Formation of adverbs • Position of adverbs	Listen to peers Add more suggestions and give fresh ideas	Share ideas with peers Read out clearly	 Recognise and identify the adverbs Differentiate between adjectives and adverbs Appreciate the text Read fluently, with right pauses and correct punctuation Comprehend and appreciate the cartoon strip and get clarity about adverbs 	 Organise details Write in accordance with the question put up by the peer Arrange the sentences in correct order Expand a template story 	As an apprentice of creative writing, the learner writes a story.

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4.	Finite and Non-Finite Verbs • Finite and non-finite verbs • Infinitive • Bare infinitive	Listen to peers and find out errors in the usage of gerunds and infinitives	 Speak fluently and clearly Focus on pronunciation Pause at right places 	 Identify and highlight the verbs Answer questions based on the text Identify gerunds Comprehend and appreciate the cartoon strip and get clarity about verbs 	 Story writing Slogan writing Highlighting finite and non-finite verbs Make sentences 	As an apprentice of direction, the learner makes a documentary film.
5.	 Prepositions Types of preposition Relation expressed by preposition 	 Listen to the prepositions read out in the class Listen attentively and reason out 	 Read out the prepositional poem to the class Spot the prepositions 	 Recognise and identify preposition Distinguish between adverbs and prepositions Edit and proofread the given text Comprehend and appreciate the cartoon strip and get clarity about preposition 	using preposition Coordinate with peers	As an apprentice of translation, the earner writes a prief biographical account of Indira Goswami and ranslates it.

.No. Topic	Listening Visualisation Assimilation Critical thinking	S K I Speaking Articulation Extempore Interactive communication	Reading Comprehension Interpretation Analysis	Writing → Creative writing → Academic writing → Documentation	Apprentice Work
Tenses • Present perfect tense • Past perfect tense • Future perfect tense	 Listen to the peers Provide feedback Reason out if the sentences are grammatically correct Listen carefully to the details told by the partner 	 Present a past event of his/her life Speak out the sentences loudly and correctly in the class Interview your mates 	 Read the lyrics of a hit song Edit and proofread Comprehend and appreciate the cartoon strip and get clarity about tenses 	form as required or directed • Brainstorm	As an apprentice of lyric writing, the learner makes a musical composition.
 Complex 	Listen attentively Answer on the basis of listening Pay attention to the instructions	 Organise a quiz Read clearly and fluently Organise his/her thoughts while working in a group Demonstrate his/her placards in the class Speak accurately using correct sentence structures 	 Read the text and find out dependent and independent clause Identify and classify the clauses Comprehend and appreciate the cartoon strip and get clarity about sentences Edit and proofread the given text 	 Brainstorm and plan a quiz Write down the sentences and act according to the facilitator's instructions 	As an apprentice of media and mass communication, the learner organises a talk show and discusses issues faced by the class as a whole.

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	Passivisation • More about passivisation	 Watch a video Observe and analyse the events 	 Give running commentary Speak clearly, fluently and confidently 	 Identify and highlight the active and passive voice Edit and proofread the given text Read more to find out headlines in active and passive voice 	 Note down his/her views Document the details for election campaign Write down a process Draft ads, using phrasal verbs Depicting details in the form of picture Pick out the correct phrasal verb 	As an apprentice of sports journalism, the learner enjoys a cricket match meanwhile learning the skills of commentary.
5	Reported Speech Rules for changing direct speech into reported speech	 Describe something that he/she has heard Listen attentively Answer on the basis of listening Spontaneous action 	 Speak clearly, fluently and confidently Organise his/her thoughts while working in a group 	 Picture reading to provide dialogues Reading the text provided by partner and then converting it into required speech 	direct and reported speech	As an apprentice of film criticism, the learner watches a classic English movie and prepares a written review and a television report on the same.

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10. j	Punctuation More about punctuation marks	 Answer questions based on the text Predict based on an open ended piece that he/she has heard 	 Organise his/her thoughts based on the given topic Speak with right intonation and pauses 	 Answer questions based on the text (vocabulary based and deductive) Edit Proofread Reason out Provide feedback 	Organise ideas Stick to the prescribed format Manage time effectively	As an apprentice of editing, the learner compares the punctuation marks used in three different languages.

ENGLISH Literature

Class 7

Ch.No.	Literature Component	Skills	Learning Outcome
1.	Poetry Where the Mind is Without Fear by Rabindranath Tagore (Poem)	 Emotional sensitivity Expression and intonation Rhythmic intelligence Critical appreciation 	 Understand the meaning the poet is trying to get across Comprehend the emotion behind the text Use appropriate body language and gesture while reciting the poem Modulate the pitch and volume of the voice Understand and appreciate the structure and rhyme scheme Understand the poetic style Comprehend the literal meaning of the poem Interpret the central theme of the poem Understand the poetic text in its historical context and compare it to the present day Assimilate the acquired information and reflect and evaluate the given argument
2.	Prose Adventures of Tom Sawyer by Mark Twain (Novel)	 Cultural sensitivity Judgmental ability Analytical ability Creative thinking 	 Perceive the cultural setting of the era through the text Understand the ways of the society and culture presented in the text Gain experience through peer and group work Understand the writer's perspective Select a scene from the novel and present it through a short skit thereby presenting your perspective Discuss and debate on the given statement Demonstrate his/her understanding of the vocabulary used in the text Understand and answer questions based on the text Comprehend the theme of the text Demonstrate an understanding of the characters of the text Convert the text from prose to drama Write his/her own adventure story

	Ch.N	o. Literature Component	Skills	Learning Outcome
	3.	Prose A Holiday Task by Saki (Short Story)	Cultural sensitivity Judgmental ability	Perceive the cultural setting of the era through the test Demonstrate his/her understanding of the society presented in the text Gain better understanding of the text through research and peer work Understand the writer's perspective Present your own perspective of the major characters in the text Demonstrate his/her understanding of the vocabulary used in the text
			Analytical ability	 Summarise the story Analyse the theme of the story Comprehend and answer questions based on the text Understand how arguments are developed and then resolved
			Creative thinking	 Write a diary entry about his/her most unusual holiday task (real or imaginative) Demonstrate an understanding of the plot and the major characters of the text
4		Drama The Invisible Man by H. G. Wells	• Socio-moral sensitivity	 Demonstrate an understanding of the social values presented in the text Understand and respect the ideas and actions of others Compare and interpret social and moral choices and issues
		(Play)	 Theatrical aptitude 	Reading the play in a dramatic manner taking care of the pitch, voice modulation, diction and additional sound effects
			Character analysis	Analyse the traits of the characters in the textCreate pen portrait of the protagonist
			Cognitive ability	 Comprehend and summarise the text Answer questions based on the text Gather new words used in different contexts Understand related issues around the world

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Ch.No.	Literature Component	Skills	Learning Outcome
5.	Poetry I had a Hippopotamus by Patrick	• Emotional sensitivity	 Decipher and comprehend the emotion behind the text Relate to and identify with the poetic voice and his feelings Present the perspective of the pet through a diary entry
	Barrington (Poem)	Expression and intonation	 Use appropriate body language and gesture while reciting the poem Modulate the pitch and volume of the voice
		Rhythmic intelligence	 Appreciate and understand the structure and rhyme scheme Understand the poetic style Compose his/her own poetry
		Critical appreciation	 Comprehend the literal meaning of the poem Appreciate aesthetically the play of words and figures of speech Interpret the central theme of the poem
6.	Prose Dr Jekyll and Mr Hyde by R. L. Stevenson (Novel)	• Cultural sensitivity	 Perceive the cultural setting of the era through the text Demonstrate his/her understanding of the society presented in the text Gain better understanding of the text through research and peer work
		Judgmental ability	 Understand the writer's perspective and present your own Discuss actively on the given themes Demonstrate his/her understanding of the vocabulary used in the text
		Analytical ability	 Comprehend and answer questions based on the text Understand how arguments are developed and then resolved Analyse the major themes in the text Understand the genre of the text
		Creative thinking	 Change the course of the story Demonstrate an understanding of the plot and the major characters in the text Write a review comparing the novel to a film version of the story

Ch.No.	Literature Component	Skills	Learning Outcome
7.	Prose The Face on the Wall by E. V. Lucas (Short Story) Drama Oliver Twist by Charles Dickens (Play)	 Cultural sensitivity Judgmental ability Analytical ability Creative thinking Socio-moral sensitivity Theatrical aptitude Character analysis Cognitive ability 	Understand the society presented in the text Gain better understanding of the text through research and peer work Frame a story through collective effort of the class Understand the writer's perspective and present your own Share stories and discuss on the given theme Demonstrate his/her understanding of the vocabulary used in the text Summarise the story Comprehend and answer questions based on the text Analyse the theme of the story Understand how arguments are developed and then resolved Demonstrate an understanding of what makes a good storyteller Write his/her own story on a similar theme Comprehend the social values and morals presented in the text Understand and respect the ideas and actions of others Understand and interpret social issues and moral choices presented in the text Reading the play in a dramatic manner taking care of the pitch, voice modulation, diction and additional sound effects Discuss and actively debate on the given statement Analyse the traits of the characters in the text Create character sketches Comprehend and summarise the text Answer questions based on the text Understand the writer's perspective and present your own Rewrite a scene giving it an unconventional twist

Ch.No.	Literature Component	Skills	Learning Outcome
9.	Prose The Gift of the Magi	• Cultural sensitivity	 Understand and appreciate the values and morals presented in the text Gain better understanding of the text through research and peer work
	by O. Henry (Short Story)	Judgmental ability	 Understand the writer's perspective Present your own perspective of the major characters in the text Demonstrate his/her understanding of the vocabulary used in the text
		Analytical ability	 Summarise the story Analyse the themes of the story Comprehend and answer questions based on the text Understand how conflict/argument is developed and then resolved
		Creative thinking	 Create and perform a skit that showcases an ironical situation Appreciate the writer's style of writing
10.	Poetry Stopping by Woods on a Snowy Evening by Robert Frost (Poem)	• Emotional sensitivity	 Decipher and comprehend the emotion behind the text Interpret the meaning the poet is trying to get across Present the perspective of the pet through a diary entry
		Expression and intonation	 Use appropriate body language and gesture while reciting the poem Modulate the pitch and volume of the voice
		Rhythmic intelligence	 Appreciate and understand the structure and rhyme scheme Understand the poetic style Compose his/her own poetry on the given theme
		Critical appreciation	 Comprehend the literal meaning of the poem Give a different interpretation to the poem Speculate and write an imaginary account of what would happen if the speaker had made a different choice Interpret and analyse the central theme of the poem

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व्याकरण

कक्षा 7

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अध्यार संख्या	विषय	अवण चित्रात्मकता आलसात करना आलीचनात्मक चिंतन	वाचन → अभिव्यक्ति क्षमता → ताल्जालिक वाचन → संवादात्मक संग्रेषण	पठन चोधगम्यता वेवेचना वेश्लेषण	लेखन	शिक्षार्थी हेत्
1.	भाषा, वर्ण और वर्तनी • भाषा-रूप • वर्ण • वर्तनी	 संपर्क भाषा, मानक भाषा व बोली पर आधारित क्रियाकलाप के माध्यम से भाषा-रूपों की विविधता पर अलोचनात्मक चिंतन करना। 	 अल्प्याण व मराप्राण् ध्वनियों से संवाँचित कियाकलाप के माध्यम से उच्चारण के आधार पर व्यंजन भेदों को वताना। वर्तनी झान के पञ्चात अशुद्ध शब्दों के शुद्ध रूप बताना। 	 निर्देशित क्रियाकताप के मध्यम में अशुद्ध शब्दों की पढ़कर शुद्ध करना। 	• भाषा-रूपों पर आधारित सृजनान्यक तेख लिखना।	वीमा एजेंसी की कार्यप्रमानी का अध्ययन करने के साथ बीमा एजेंट के भाषा-प्रयोग को समझना।
2.	संज्ञा व सर्वनाम • संज्ञा के भेद • सर्वनाम के भेद • संज्ञा व सर्वनाम की रूप-रचना	 क्रियाकलाप के माध्यम से संज्ञा-भेदों को सुनकर पहचानना। 	 संज्ञा-भेटां पर आधारित अधिकाधिक शब्द वताना। संज्ञा, सर्वनाम व उनकी रूप-रचना से संवधित नियमों को वताने में सक्षम होना। 	• विजों के माध्यम से संज्ञा व सर्वनाम भेदों की विवेचना।	• अनुच्छेद लिखना ।	विभिन्न धातुओं से जुड़े उद्योगों के बार में जानकारी प्राप्त करना व संज्ञा-सर्वनाम के प्रयोग दुवारा उन धातुओं से निर्मित होने बाली वस्तुओं के लाभों व प्रयोगों के विषय में वाक्य-स्वना करना।
3.	विशेषण • विशेषण के भेद • विशेषणों की तुलना	 विशेषण शब्दों को सुनकर भेद के आधार पर सूचीवद्ध करना। 	 विशेषणों के तुलनात्मक रूप का प्रयोग करते हुए एक दिवसीय क्रिकेट मैचों में भाग लेने वाली टीमों के कपड़ों की विशेषता बताना। 	 विशेषण की अवस्थाएँ पढ़कर वस्तु, व्यक्ति व स्थान आदि की तुलनात्मक विशेषताओं का ज्ञान प्राप्त करना। 	 तिरंगे झंडे के कपड़े, आकार और रंगों को ध्यान में रखते हुए व उपयुक्त विशेषणों का प्रयोग करते हुए अनुच्छेद लिखना। 	फेशन डिज़ाइनर की दृष्टि से सर्दी व गर्मी से जुड़े वस्त्रों की विशेषताएँ वताते हुए विशेषण शब्दों से परिचित होना।

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अध्याय संख्या	विषय	श्रवण चित्रात्मकता जात्मसात करना जालोचनात्मक चिंतन	वाचन → अभिव्यक्ति क्षमता → तात्कालिक वाचन → संवादात्मक संप्रेषण	पठन → वोधगम्यता → विवेचना → विश्लेषण	लेखन → सृजनात्मक लेखन → शैक्षिक लेखन → प्रलेखन	शिक्षार्थी हेतु
			 विशेषण व उसके भेदों की परिभाषा वताने में सक्षम होना। 			
4.	क्रिया के काल • क्रिया के भेद • काल और उसके भेद	विभिन्न क्रिया-रूपों का प्रयोग करते हुए बोले गए वाक्यों को ध्यानपूर्वक सुनना व उनमें से क्रिया-रूपों के सही भेद को पहचानना।	क्रिया व काल के भेदों को बताना। क्रिया-रूपों से संबंधित गतिविधि के माध्यम से विषयानुरूप प्रश्न पूछना व उत्तर देना।	वाक्य पढ़कर उनमें से सकर्मक व अकर्मक क्रियाओं को चुनना एवं उनकी मृत धातु को तालिका में लिखना।	कालाधारित अनुच्छेद लेखन का कार्य करना।	काल के अनुसार क्रियाओं का प्रयोग करते हुए एक पत्रकार की दृष्टि से मन को दूने वाली किसी घटना का वर्णन करना।
5.	वाच्य वाच्य की परिमापा वाच्य के भेद वाच्य परिवर्तन के नियम	 निर्देशित क्रियाकलाप के अनुसार बोले गए वाक्यों को ध्यानपूर्वक सुनना व उनमें होने बाले बाच्य परिवर्तन को समझना। 	 कक्षा, स्कूल, खेल-कृद आदि क्षेत्रों से जुड़ी वाक्य- रचना में वाच्य अनुसार परिवर्तन करना। वाच्य के भेदों व वाच्य परिवर्तन के नियम बताना। 	वाच्य पर आधारित प्रश्नों के उत्तर देते हुए संबंधित अवधारणा पर अपनी पकड़ मज़बूत करना।	• मुजनात्मक लेखन का कार्य करना।	अपनी पसंद की कहानी लिखते समय वाच्य परिवर्तन के नियमों से परिचित होना।
6.	अविकारी शब्द • अविकारी शब्दों की परिभाषा व भेद	 प्रश्नोंत्तर के माध्यम से अविकारी शब्दों से संबंधित समझ विकसित करना। 	अपने शब्दों में अविकारी शब्दों की परिभाषा व भेद वताना । अविकारी शब्दों का प्रयोग करते हुए अच्छे प्रयंधन की विशेषताएँ वताना ।	क्रियाकलाप के माध्यम से अविकारी शब्दों को चुनना।	क्रियाकलाप के माध्यम से क्रियाविशेषण शब्दों का प्रयोग करते हुए वाक्य- रचना करना।	स्कूल के उचित प्रबंधन संबंधी रिपोर्ट को तैयार करते हुए अविकारी शब्दों के प्रयोग से भी परिचित होना।

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अच्याच संख्या		भ्रष्यण चित्राचकता भागसम्बद्धाः भागसम्बद्धाः भागसम्बद्धाः भागसम्बद्धाः भागसम्बद्धाः भागसम्बद्धाः	वाधन अधियांकत शमता तात्कात्विक ग्राधन संवादात्मक संप्रेषण	पठन • वीचगम्पतः • विशेषनः • विशेषणः	लेखन - युननान्यक लेखन - शैक्षक लेखन - प्रतिक लेखन - प्रतिक	liventh eq
7.	सीच • म्बर सीच के भेड़ों से परिचय	 निर्देशित क्रियाकलाप अनुसार बोले गए शब्दों को सुनकर उनमें से दीर्घ संधियुक्त शब्द छोटना व उनका संधि-विद्योद करना। 	 म्बर मंचि की परिभाग व भेड़ बताता। सॉच्युक्त झब्दों का प्रयोग करते हुए अपने प्रिय रेडियो उद्योगक के गृणों को बताता। 	 मॉय से संबंधित जपन जान का प्रयोग करते हुए पश्नों के जनर देना। 	• अनुचंद्रद निस्त्रतः।	किसी पनपसर सामाजिक या आणिक पद्म का औचा उला राज करते हुए मध्यपूक्त शब्दों का प्रयोग करता।
8.	शब-भड़ार • कुछ नए पर्यायवाची, विलोम, श्रृतिसम भिन्नार्थक, अनेक के लिए एक, अनेकार्थक, ध्वनिबोधकय एकार्थक प्रतीत होने वाले शब्दों से परिचय	 शब्द-भंडार संबंधी नवीन हान को आत्मसात करना । 	 क्रियकलाप के अंतर्गल पूछेजाने वाले विलोग, अनेक के लिए एक च व्यक्तियोक शब्दों के अर्थ बताना। 	 कियाकलाय के अंतर्गत दिए गए समान प्रतीत होने चाले व अनेकार्यक शब्दों को पड़कर उनका अंतर स्पष्ट करते हुए वाक्य बनाना । 	 निर्देशित क्रियाकताम के अनुसार श्रतिसम-पिन्नार्यक च पर्याववाची अर्थ्यों को निखना। 	प्रतिदिन गरिकाओं नवाता समाचार पर्यों में में कोजनाओं उ करानियों को पड़कर मीम्स गए सान अन्त-मार्थों की जानिका बनाना। किजोगों के जीवन से संबंधिन किसी भी विक्य पर केविना की कस-सं-कम छ। पॅरिकायी निखना।
9.	वाक्य-विचार वाक्य की परिभाषा वाक्य के अंग वाक्य के भेद	 उद्देश्य व विधेय से संबंधित वाक्य सुनकर उद्देश्य व विधेय का विस्तार करते हुए वाक्य बनाना। 	 बाक्य की परिभाषा व उसके अगों एवं भेदों को बताने में सक्षम होना। विषय पर आधारित प्रश्नों के उत्तर देना। 	 चित्र देखकर कल्पना की उड़ान भरते हुए उसका विवरण प्रस्तुत करना। 	सुजनात्मक लेखन का कार्य करना। सरल वाक्यों से संयुक्त व मिश्रित वाक्य बनाना।	पत्र-पत्रिका या कहानी की पुस्तक से एक कवा अंध्र चुनकर उसमें से साकस-विचार की दृष्टि में उद्देश्य और विचेच के विस्तार को स्पष्ट करते हुए उनका तानिका के स्प में प्रस्तुनीकरण।
10.	मुहावरे एवं लोकोक्तियाँ • कुछ नए मुहावरों एवं लोकोक्तियों से परिचय • मुहावरों का निर्माण	 रसोईघर में प्रयोग किए जाने वाले मुहाबरे पता लगाना। 	 मुहावरेदार भाषा का प्रयोग करते हुए वार्तालाप करना। 	 क्रियाकलाप के माध्यम सं चित्रों में छिपी कहावतें खोजना। 	 निर्देशित क्रियाकलाप के अनुसार मुहायरों की सूची बनाता। 	मुहावरं अववा नांक्रोफिन के जीवत प्रयोग में कहानी, कविना आदि को मनोरंजक बनाकर अपने सहपाटियों को सबसे अधिक हँसाने में सफतता पाना।

	हिं	साहित्य		
अध्याय संख्या	साहित्य के अंग		कौशल	
1.	कवीर के दोहे	 भाव 	त्मक संवेदनशीलता	

ं एजुकेशन क्वालिटी फाउंडेशन ऑफ इंडिया

कक्षा 7

एंन ई क्यू एक आई सिमर्च इनीमिएटिंग

	16.	٦,	सााहत्य	भादा। /
अध्याय संख्या	साहित्य के अंग		कौशल	अध्ययन फल
1.	कवीर के दोहे (पद्य)	हाव-लया	त्सक संवेदनशीलता भाव और स्वरशैली त्सकता गोचनात्मक समीक्षा	 दोहों के माध्यम से दैनिक जीवन के व्यवहार चक्र को समझना। दोहा-पाठ करते समय उचित हाव-भाव एवं उचित स्वर शैली का प्रयोग करना। दोहों में लयात्मकता (सुर, ताल, उतार-चढ़ाव) का विशेष ध्यान रखते हुए दोहा-पाठ करना। दोहों में आए कठिन शब्दों के अर्थ वर्ग-पहेली में से ढूँटकर लिखना। दोहों में छिपे अर्थों की आलोचनात्मक समीक्षा करना। अन्य कवियों द्वारा रचित दोहों की जानकारी प्राप्त करना।
2.	आखिरी पाट (गद्य)	 मूल्य विश्ले 	र्हृतिक संवेदनशीलता किन क्षमता प्रेषणात्मक क्षमता ग्रात्मक चिंतन	 कहानी को ध्यान में रखते हुए अपने देश व संस्कृति की उन्नित के लिए राष्ट्रभाषा हिंदी के विकास पर बल देना। कहानीकार का उद्देश्य समझना। कहानी में उठाई युद्ध की समस्या को ध्यान में रखते हुए 'युद्ध देश की प्रगति में बाधक है।' - विषय के पक्ष-विषक्ष में अपने विचार व्यक्त करना। 'आखिरी पाठ' कहानी के मुख्य पात्रों का चिरत्र विश्लेषण करना। कहानी के प्रमुख तन्त्रों के विश्लेषण के उपरांत अपने विचार लिखना। भारत-पाक के संबंधों को सुधारने के लिए किए जाने वाले प्रयासों पर अपने विचार व्यक्त करना व नए सुधारों के सुझाव देना।
3.	मेरी योग्प यात्रा (गदुय)	• मृल्यां	तिक संवेदनशीलता कन क्षमता पणात्मक क्षमता	 डॉ. राजेंद्र प्रसाद के यात्रा-संस्मरण के माध्यम से मिस्र की संस्कृति को जानना व भारत के किन्हीं दो प्रदेशों के सांस्कृतिक अंतर को स्पष्ट करना। जीवन में अल्यंत सामान्य वस्तुओं व व्यक्तियों का मूल्यांकन करना जो विशेष परिस्थितियों में आपको अतीव प्रसन्नता का अनुभव कराते हैं। डॉ. राजेंद्र प्रसाद द्वारा ग्रमण किए गए यात्रा मार्ग का स्पष्टता से उल्लेख करना। पाठ में आए याक्यों के विश्लेषणात्मक अध्ययन के आधार पर लेखक के चारित्रिक गुण लिखना।

अध्या			
संख्य	ा साहित्य के अंग	कौशल	अध्ययन फल
		• सुजनात्मक चिंतन	 अपनी पहली विदेश यात्रा के रोमांचक अनुभव अथवा काल्यनिक चिंतन को अपने शब्दों में लिखना।
4. 5.	अंधेर नगरी (एकांकी) जासुसों की जासुस (गद्य)	 नैतिक संवेदनशीलता नाटकीय प्रवृत्ति चरित्र विश्लेषण ज्ञानात्मक क्षमता सांस्कृतिक संवेदनशीलता मूल्यांकन क्षमता 	 नैतिक संवेदना की दृष्टि से राजा द्वारा किए जाने वाले न्याय के औषित्य-अनौधित्य के विषय में अपने विचार व्यक्त करना। 'अधेर नगरी' एकांकी का अभिनय प्रस्तृत करना। एकांकी को कहानी अथवा आत्मकथा के रूप में प्रस्तृत करना। एकांकी में आए पात्रों की चारित्रिक विशेषताएँ लिखना। एकांकी को घटनाओं को उचित कम में लगाना। एकांकी पर आधारित प्रश्नों के उत्तर देना। उपन्यास के अध्ययन के पश्चात आयुर्गेदिक दृष्टि से समृद्ध भारतीय संस्कृति को जानना व भारतीय जड़ी-वृटियों के नामों व गृणों के बारे में अधिक जानकारी प्राप्त करना। अपनी मृत्यांकन क्षमता के आधार पर उपन्यास से संबंधित प्रश्नों का सही-गलत में उत्तर देना।
		विश्लेषणात्मक क्षमतासुजनात्मक चिंतन	 उपन्यास की मुख्य पात्र नैना की चारित्रिक विशेषताएँ लिखना। उपन्यास के प्रमुख पात्रों से संबंधित चित्रों के विश्लेषण के माध्यम से पहेली को सुलझाना। किसी अप्रत्याशित व्यक्ति से मिलने पर होने वाले रोमांचक अनुभव का वर्णन अपने शब्दों में करना।
6.	बीरों का कैसा हो वसंत (पद्य)	 भावात्मक संवेदनशीलता हाव-भाव और स्वरशैली लयात्मकता आलोचनात्मक समीक्षा 	 'वीरों का कैसा हो वसंत' कविता पढ़कर मन में उत्पन्न वीरता व देशमिक्त की भावनाओं का उल्लेख करना। कविता में भावात्मक संवेदनशीलता से संबंधित प्रश्नों के उत्तर देना। कविता-पाठ करते समय उचित हाव-भाव एवं उचित स्वर शैली का प्रयोग करना। 'कविता गायन प्रतियोगिता' में अन्य कवियों की देश-प्रेम पर आधारित कविताओं का पाठ करते समय लयात्मकता (सुर, ताल, उतार-चढ़ाव) का विशेष ध्यान रखना। कविता के शीर्षक की आलोचनात्मक समीक्षा करना। कविता को आधार बनाकर 'अमिव्यक्ति की स्वतंत्रता' विषय के पक्ष-विपक्ष में अपने विचार लिखना।

एड्केशन क्वालिटी फाउंडेशन ऑफ इंडिया

16

ऐन ई- क्यू॰ एफ- आई॰ रिसर्च इनीशिएटिव

अध्याय संख्या	साहित्य के अंग	कौशल	अध्ययन फल
7.	भोलाराम का जीव (गट्ट्य)	मूल्यांकन क्षमताविश्लेषणात्मक क्षमतासृजनात्मक चिंतन	 कहानीकार के उद्देश्य को समझना व उसका मृल्यांकन करना। 'भोलाराम का जीव' कहानी से सीखे गए नए शब्दों के सटीक अर्थ शब्दकोश में से खोजकर लिखना। सरकारी दफ्तर की भ्रष्ट कार्यप्रणाली का विश्लेषण कर अपने विचार व्यक्त करना। कहानी में आई पेंशन की समस्या पर चर्चा करने के बाद समाज की किसी अन्य समस्या व उसके समाधान के बारे में अपने सुझाव लिखना।
8.	आप क्या करते हैं (गद्व)	 सांस्कृतिक संवेदनशीलता मृल्यांकन क्षमता विश्लेषणात्मक क्षमता सृजनात्मक चिंतन 	 'आप क्या करते हैं' निबंध पढ़कर भारतीय संस्कृति में नामों की महिमा के बारे में जानना। अपनी मृल्यांकन क्षमता के आधार पर निबंध में विणित नामों की महिमा के पक्ष-विपक्ष में अपने विचार व्यक्त करना। 'आप क्या करते हैं' निबंध में आए किटन शब्दों के अर्थ शब्दकोश में से खोजकर लिखना। निबंध में उल्लेखित कर्म व कार्य के अंतर को समझना व दूसरों के लिए जीने वाले महान व्यक्ति के कर्मों से संबंधित चित्र विपकाना। निबंध की विशेषताओं का विश्लेषण करना। निबंध की भाषा शैली में निहित व्यंजना शब्द-शक्ति से संबंधित गितिविधि पूर्ण करना। निबंध के शीर्थक के बारे में अपने विचार लिखना।
).	शह में मात (गद्य)	 सांस्कृतिक संवेदनशीलता मूल्यांकन क्षमता विश्लेषणात्मक क्षमता सृजनात्मक चिंतन 	 'शह में मात- कहानी पढ़कर ग्रामीण व शहरी संस्कृति के अंतर को जानना। अपनी मृल्यांकन क्षमता के आधार पर विचार करना कि ठग सेठ को सबक सिखाने के लिए बूढ़े चौचरी के बेटे का व्यवहार सही या य गुलत? कथा-विकास का विश्लेषण कर अपने विचार लिखना। कहानी के पात्रों का चरित्र विश्लेषण लिखना। ठगी पर आधारित अन्य कहानी-कविता की रचना अपने शब्दों में करना।

अध्याय संख्या	साहित्य के अंग	कौशल	अध्ययन फल
0.	स्नेह-पद्य (पद्य)	 भावात्मक संवेदनशीलता हाव-भाव और स्वरङ्गीली लयात्मकता आलोचनात्मक समीक्षा 	अध्ययन फल प्रेंक पथ' करिता पढ़कर मन में उपन्त भागों की चर्चा करना। किवता पाठ करते समय उचित हाव भाव य स्वर-शैली का प्रयोग करना। काव्य में लवात्मकता का विशेष ध्यान रखते हुए कितता-पाठ करना। किवता में से अपना मनपसंद काव्य-अंश चुनकर लिखना व उसकी आलोचनात्मक समीक्षा करना। किवि की अन्य कविताओं की जानकारी प्राप्त करना। किविता के शीर्षक के बारे में अपने विचार लिखना। जीवन में रनेह के संबल व मधुर वचनों की महता की जानना।

MATH Class 7 Part - I Knowledge Application **Mathematical Skills** Retention Correlation Data Handling Apprentice **Topic** Reasoning Problem Solving Ch.No. Graphical representation Comprehension Work Identification Computation Assimilation Inference Visual and Spatial Skills 1.1 Integers **Basic Operations** Stating the rules for · Accuracy in calculations Solving real life As an apprentice to problems involving of Integers addition, subtraction, a financial advisor, multiplication and mathematical the learner uses the division of integers expressions using the internet to collect rules numerical data and Giving examples of Simplifying analyses it to frame mathematical mathematical and solve expressions expressions using the mathematical corresponding to the rules of operations of expressions. rules of operations of integers with the help of integers a crossword Properties of Naming the property Verifying the properties Integers which holds true for a of integers with mathematical examples through a group activity Simplifying expression mathematical expressions using the properties of integers

		S	KILL	S	
Ch.No.	Topic	Knowledge Retention Comprehension Identification Assimilation	Application Correlation Reasoning Problem Solving Inference	Mathematical Skills Data Handling Graphical representation Computation Visual and Spatial Skills	Apprentice Work
1.2	Rational Numbers				
	• Rational Numbers	 Definition of a rational number Representation of rational numbers on the number line 	Comparing rational numbers	 Accuracy in calculations Handling numerical data Graphical representation 	As an apprentice to an operation research analyst, the learner collects data, then analyses and interprets the same
	Operations on Rational Numbers	 Understanding the procedural fluency of operations on rational numbers Definition of additive and multiplicative identity; additive and multiplicative inverse 	Solving sums involving operations on rational numbers		to perform specified tasks.
	To Find Rational Numbers Between Two Given Rational Numbers	by step procedure of finding other rational numbers between two given rational numbers	Choosing the appropriate method to find other rational numbers between two given rational numbers through an activity		
	Conversion of Rational Number	Conversion of rational numbers into decimals and vice-versa	Verifying whether a fraction gives a terminating or a non- terminating decimal		
	Estimation of Decimals Operations on Decimals	Estimation of decimals to one, two or three decimal place	Solving real life problems involving decimals		

		S	KILL	S	
Ch.No.	Topic	Knowledge Retention Comprehension Identification Assimilation	Application Correlation Reasoning Problem Solving Inference	Mathematical Skills Data Handling Graphical representation Computation Visual and Spatial Skills	Apprentice Work
1.3	Exponents Types of Exponents Laws of Exponents Scientific and Calculator	 Identification of positive and negative integer exponents Conversion of exponential form to standard form and viceversa Identification and understanding of laws of exponents Identification and comprehension of 	 Expressing very large and very smal numbers in exponential form Correlating standard form and exponential form through a group activity Applying laws of exponents to simplify complex sums Expressing large and small numbers in 	Accuracy in calculations Handling numerical data	As an apprentice to space scientist, the learner analyses and interprets the large data to perform various tasks involved by making calculations.
	Notation of Numbers Comparing Exponents	scientific and calculator notation of numbers Comparison of exponents	scientific or calculator notation and vice-versa through an activity • Comparing exponents with same bases and same powers or different bases and powers		
	Expanding Numbers in Exponential Form	Writing the expanded form of large numbers and expressing it in exponential form			

		S	KILL	S	
Ch.No.	Topic	Knowledge - Retention - Comprehension - Identification - Assimilation	Application Correlation Reasoning Problem Solving Inference	Mathematical Skills → Data Handling → Graphical representation → Computation → Visual and Spatial Skills	Apprentice Work
	Comparing Quantities				
	• Proportion	 Identification and understanding of direct and indirect proportion 	Applying direct and indirect proportion in solving real life problems through a thinking process in groups	Accuracy in calculations Handling numerical data	As an apprentice to an economist, the learner assumes some numerical data as import and export values,
	• Percentages	 Conversion of fractions and decimals to percentages and viceversa Understanding the use of percentage to compare quantities Conversion of ratios to percentages 	Correlating fractions, decimals and percentages Solving real life problems involving percentage Inferring that per cent change is relative Correlating ratios and percentages		analyses the situation to find the per cent change and ratios.
	More About Percentages	 Finding the percentage of change Finding profit or loss Finding profit or loss per cent 	 Applying concept of per cent change in real life problems through a game Solving real life problems related to profit or loss per cent 		
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		S	K I L L	S	
Ch.No.	Торіс	Knowledge → Retention → Comprehension → Identification → Assimilation	Application Correlation Reasoning Problem Solving Inference	Mathematical Skills Data Handling Graphical representation Computation Visual and Spatial Skills	Apprentice Work
	Simple Interest	 Explanation of formula for finding simple interest Calculation of Simple Interest and Amount 	 Solving simple banking problems involving finding of simple interest Application of the formula of simple interest to calculate Principal, Rate and Time 		
	Algebraic Expressions Patterns and Algebraic Expressions Evaluating Algebraic Expressions Addition, Subtraction and Multiplication of Algebraic Expressions	Identification of patterns Evaluation of algebraic expressions by substituting values Comprehension of steps involved in carrying out basic operations on algebraic expression	 Generalising patterns to form algebraic expressions through an activity Correlating geometric or numeric pattern and algebraic expressions 	geometric patterns - Accuracy in calculations	As an apprentice to a retailer, the learner correlates the given algebraic data with the quantities and analyses the change in quantities by performing calculations.

		S	KILL	S	
Ch.No.	Topic	Knowledge Retention Comprehension Identification Assimilation	Application Correlation Reasoning Problem Solving Inference	Mathematical Skills Data Handling Graphical representation Computation Visual and Spatial Skills	Apprentice Work
	 Algebraic Identities Multiplication and Factorisation of Algebraic Expressions 	 Identification of algebraic identities Multiplying and factorising algebraic expressions using identities 	 Applying algebraic expressions in finding perimeter and area of geometric figures through an activity Verifying algebraic identities Framing and solving algebraic expressions by using identities 	Procedural Fluency	
3.2	Linear EquationsLinear Equations in One VariableGraphing Linear	 Definition of linear equation in one variable Description of Cartesian 	 Correlating the equation and its solution Finding equations corresponding to a solution Plotting graphs of linear 	Accuracy in calculations Graphing linear equations	As an apprentice to a stockbroker, the learner uses the given data to plot graphs and interpret them.
	EquationsAnalysing GraphsSlope of a Line	 System of coordinates Interpretation of graphs of linear equations in two variables Definition of slope of a line 	equations in two variables through an activity • Analysing graphs of equations in two variables		

Class 7 MATH Part - II Application **Mathematical Skills** Knowledge Data Handling Graphical representation Correlation Retention Apprentice **Topic** Ch.No. Comprehension Reasoning Work Problem Solving Identification Computation Visual and Spatial Skills Assimilation Inference 4.1 Perimeter and Area Derivation of the area of Solving problems Accuracy in calculations As an apprentice to Area of a a landscape involving area of Graphical parallelogram a parallelogram and architect, the representation and a triangle triangle and learner visualises a Stating the Heron's parallelogram formula to calculate the landscape design, makes its blueprint area of triangle · Drawing inference that using different Area of a triangle taken any side as the shapes and and a base, the area of the calculates the parallelogram parallelogram remains perimeter and area with the same the same through a of different base and same group activity Solving problems geometric shapes. height Stating the formulae of Perimeter and perimeter and area of Area of Special involving perimeter and area of a rhombus and a Quadrilaterals rhombus and trapezium trapezium Deriving the area of the rhombus and trapezium through a group activity Stating the formulae of Solving problems Circumference circumference and area involving circumference and area of circle and area of a circle of a circle

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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 Computation Visual and Spatial Skills	Apprentice Work
	• Area of Irregular Rectilinear Figures	Understanding how the area of any irregular rectilinear figure can be calculated by using the known formulae	 Comparing the length of the string with the circumference of the circle and the area of the rectangle with the area of the circle through a group activity Comparing the area of an irregular figure by making calculations and from graph through a group activity 		
	Surface Area and Volume • Surface Area	 Definition of surface area Stating the formulae for total surface area and lateral surface area of cube, cuboid and cylinder Understanding the method of finding the surface area of solids composed of cubes and cuboids Conversion of one unit of surface area into another unit 	 Solving problems involving surface area of cubes, cuboids and cylinders Deriving lateral surface area of cylinder through a group activity 	Accuracy in calculations Handling numerical data	As an apprentice to a builder, the learner chooses suitable dimensions to make the model of a cuboid-shaped hall with cubical slabs and cylindrical pillars, calculates the volume and surface area of structures used in the model to find the cost of painting the model.

		S	KILL	S	
Ch.No.	Topic	Knowledge Retention Comprehension Identification Assimilation	Application → Correlation → Reasoning → Problem Solving → Inference	Mathematical Skills Data Handling Graphical representation Computation Visual and Spatial Skills	Apprentice Work
	• Volume	 Definition of volume Stating the formulae for volume of cube, cuboid and cylinder Understanding the method of finding the volume of solids composed of cubes and cuboids Differentiate between volume and capacity Conversion of one unit of volume into another unit 	 Solving problems involving volume of cubes, cuboids and cylinders Deriving volume of cylinder through a group activity 		
5.1	 Lines and Angles Adjacent Angles Linear Pair Vertically Opposite Angles 	 Identification and definition of adjacent angles Identification and definition of linear pair Identification and definition of vertically opposite angles Drawing conclusion that vertically opposite angles are equal when lines intersect 	 Finding unknown angles using linear pair axiom in straight and intersecting lines Finding unknown angles using the result on vertically opposite angles 	Accuracy in calculations	As an apprentice to a math teacher, the learner executes a plan for teaching a topic using a suitable teaching method, evaluates the understanding of the learners and clarifies their doubts.

		S	KILL	S	
Ch.No.	Topic	Knowledge Retention Comprehension Identification Assimilation	Application Correlation Reasoning Problem Solving Inference	Mathematical Skills Data Handling Graphical representation Computation Visual and Spatial Skills	Apprentice Work
	 Transversals and Angles formed Parallel lines cut by a Transversal 	 Definition of transversal Identification of angles formed by a transversal Stating the result that lines cut by a transversal are parallel when corresponding angles, alternate interior angles, alternate exterior angles are equal and vice-versa 	Verifying the result to prove that lines are parallel through a group activity		
	Congruent Triangles • Congruency	 Identification of congruent angles and congruent line segments Stating five conditions of congruency of triangles Writing the congruency 	Verifying the conditions of congruency of triangles through a group activity	 Handling data Accuracy in calculations 	As an apprentice to a navigator, the learner visualises a navigation situation, makes its model and applies the conceptual knowledge of
	Applications of Congruency Rules	statement for congruent triangles	 Verifying results by applying the conditions of congruency of triangles 		congruent triangles to answer questions.
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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 Computation Visual and Spatial Skills	Apprentice Work
	Applications of the Pythagoras Theorem	Stating the Pythagoras theorem	 Solving real life problems by applying Pythagoras Theorem Verifying the Pythagoras Theorem through a group activity 		
5.3	 Constructions Construction of Triangles Constructing altitudes, perpendicular bisectors, medians and angle bisectors of a Triangle 	 Understanding the steps of construction of unique triangles under the given conditions of congruency Understanding the steps of construction of altitudes, perpendicular bisectors, medians and angle bisectors of a triangle Definition of orthocentre, circumcentre, centroid and incentre and finding their location in a triangle 	constructed under given conditions of congruency are unique through an activity		As an apprentice to a structural engineer, the learner constructs the design of triangular windows of different dimensions and locates their centroid, orthocentre and incentre.
5.4	Understanding Quadrilaterals • Quadrilaterals	 Definition of quadrilaterals Listing six types of quadrilaterals and their properties 	Applying the properties of quadrilaterals to find unknown dimensions	Accuracy in calculations Handling data	As an apprentice to a watch designer, you need to design the dial of a wristwatch using any one type of quadrilateral.

Ch.No. Topic Knowledge Retention Comprehension Identification Assimilation Circles Circles Circle and its Parts Definition of a circle, arc of a circle, chord, segment and listing their properties Identification of major and minor arc and segment Application Reasoning R			S	KILL	S	
 Circle and its Parts Definition of a circle, arc of a circle, chord, segment and listing their properties Identification of major and minor arc and segment Angles in a Segment Stating the results: (a) angles formed in the same segment of a circle are equal (b) the angle subtended by the same segment at the centre is twice the angle subtended by the same segment on the circle (c) an angle in a semicircle is a right angle Proving that the angle subtended by the segment at the centre is twice the angle subtended by the same segment on the circle Proving the result that an angle in a semicircle is a right angle through a group activity Definition of a 	Ch.No.	Topic	Retention Comprehension Identification	Correlation Reasoning Problem Solving	Mathematical Skills Data Handling Graphical representation Computation	
		 Circle and its Parts Angles in a 	of a circle, chord, segment and listing their properties Identification of major and minor arc and segment Stating the results: (a) angles formed in the same segment of a circle are equal (b) the angle subtended by the segment at the centre is twice the angle subtended by the same segment on the circle (c) an angle in a semicircle is a right angle Definition of a	subtended by the segment at the centre is twice the angle subtended by the same segment on the circle Proving the result that an angle in a semicircle is a right angle through		a transportation designer, the learner does some research work on wheels, identifies its parts and finds the angle subtended by the arc at the centre

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Ch.No.	Topic	Knowledge Retention Comprehension Identification Assimilation	Application Correlation Reasoning Problem Solving Inference	Mathematical Skills Data Handling Graphical representation Computation Visual and Spatial Skills	Apprentice Work
5.6	Symmetry Types of Symmetry Plotting Shapes	 Definition and identification of symmetry; reflective and rotational symmetry Definition of order of rotational symmetry Identification of four types of quadrants 		Plotting the given coordinates on a graph	As an apprentice to an artist, the learner makes a table mat with symmetric design by using the concept of line, rotational and translational symmetry.
 Reflection along Axes Translation 	 Identification of the quadrant in which the reflected figure would lie if the quadrant of the original figure is given Understanding how a shape is translated parallel to x-axis, y-axis and not parallel to any of the axes 	 Finding the coordinates for the figure reflected along both the axis when the original coordinates are given Finding the coordinates for the translated figure when the original coordinates are given 	 paper Plotting the original and reflected figure in a graph Plotting the original and translated figure in a graph 		
	 Oblique and Isometric Sketches of Solids 	Definition of oblique and isometric sketch		 Drawing either an isometric or an oblique sketch given either one of them 	

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Ch.No.	Topic	Knowledge Retention Comprehension Identification Assimilation	Application Correlation Reasoning Problem Solving Inference	Mathematical Skills Data Handling Graphical representation Computation Visual and Spatial Skills	Apprentice Work
6.1	Data HandlingPie ChartInterpretation of a Pie Chart	 Definition of a pie chart Understanding the steps to construct a pie chart Analysis of the data given as a pie chart 		 Accuracy in calculations Representing data in the form of a pie chart Interpretation of data given as a pie chart 	As an apprentice to a statistician, the learner conducts a survey across other sections to find the most popular cricket team among the students by following a few steps of data handling.
6.2	ProbabilityProbabilityProbability of single events	 Definition of probability Listing the types of events Definition of equally likely events Understanding the method of finding the probability of single event Definition of complement of an event 	Verifying the probability of various events through an activity	Handling data to calculate probability of events	As an apprentice to a market research analyst, the learner makes predictions on the basis of logical guesswork and calculates the probability using the data collected.

SCIENCE Biology

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Class 7

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Ch.No.	Topic	Knowledge → Retention → Comprehension → Identification → Assimilation	Application Correlation Reasoning Problem solving Inference	Scientific Skills Experimentation Graphical representation Analysis Imagination	Apprentice Work
1.	Levels of Organisation Cells Tissues	 Differentiation between unicellular and multicellular organisms Description of plant and animal tissues 	 Comparing and contrasting role of various levels in an organisation Establishing a relation between various levels of organisation in the human body through a role play 	 Preparing a slide of onion peel Observing slides of vascular tissue and human blood Doing a role play of a tissue 	As an apprentice to a hospital administrator, the learner writes an application to the Human Body Corporation defending the role played by each lew in the organisation
	OrgansOrgan SystemsLevels of Organisation	 Listing the organ systems, organs and their functions Explanation of importance of various levels of organisation in the proper functioning of the body 	 Drawing inferences from flow charts of various levels of organisation Citing other suitable examples of organisms and organisations having various levels of organisation 	 Making imaginative posters of an organ of the human body Recording observations in terms of levels of organisation in unicellular and multicellular organisms 	

		Annual Control of the			
		S	KILL	S	
Ch.No.	Торіс	Knowledge Retention Comprehension Identification Assimilation	Application Correlation Reasoning Problem solving Inference	Scientific Skills Experimentation Graphical representation Analysis Imagination	Apprentice Work
2.	Nutrition				
	 Holozoic Nutrition 	 Listing the various stages involved in holozoic nutrition 		Doing a role play of a mass of food to understand the process of nutrition	As an apprentice to a gastroenterologist, the learner prepares a write up of the
	 Nutrition in Human Beings 	 Recognition of various organs of the digestive system Description of the process of digestion in Human beings 	Establishing a relation between various organs of the digestive system	Drawing a labelled diagram of the human digestive system	interaction of a mass of food and organs of the digestive system.
	 Nutrition in Ruminants Nutrition in Amoeba 	Brief description of the process of nutrition in ruminant animals and amoeba	 Reasoning why the ruminant animals keep chewing cud Comparing the steps of holozoic nutrition in unicellular and multicellular organisms 	Making a PowerPoint presentation on eating habits of pet animals, cows and human beings	
	Respiration The Human Respiratory System Types of Respiration	 Identification of different organs of the respiratory system Explanation of the terms breathing, respiration Description of aerobic and anaerobic respiration and differences between them 	 Comparing the process of breathing and respiration Understanding the reason for feeling tired after strenuous physical work and why a massage gives relief 	Performing an experiment to find out the atmosphere inside our lungs and recording observations	As an apprentice to an intensivist, the learner prepares a case study on the Bhopal gas tragedy.

		S	KILL	S	
Ch.No.	Topic	Knowledge Retention Comprehension Identification Assimilation	Application Correlation Reasoning Problem solving Inference	Scientific Skills Experimentation Graphical representation Analysis Imagination	Apprentice Work
	Mechanism of Respiration	Explanation of the method of inhalation and exhalation in human beings	Checking breathing rate through an activity	Drawing a labelled diagram of the human respiratory system	
	Breathing in Other Animals	• Explanation of salient features of respiration in other animals		Making predictions about the kind of equipment required by a scuba diver to explore underwater caves	
	• Respiration in Plants	 Explanation of how respiration takes place in plants 	 Drawing inferences about mechanism of respiration in woody plants 	Analysing the mechanism of respiration in woody plants	
4.	Transportation in			•	
	Plants and AnimalsTransportation in Humans	Explanation of the need of transporting substances in organisms	 Giving examples of substances transported in the human body and plants 		As an apprentice to a nephrologist, the learner collects a pathology report
	• Blood	 Description of various components of blood Enumeration of the functions of blood 	Establishing a relation between different organs of the circulatory system	 Using imagination to relate the ingredients of the soup to the various components of blood 	and marks major areas that help in identifying any disorder in the
	Blood Vessels	Differentiation between arteries and veins	•	 Imagining being a drop of blood to understand the process of circulation in the human body 	body.

		S	KILL	S	
Ch.No.	Topic	Knowledge Retention Comprehension Identification Assimilation	Application Correlation Reasoning Problem solving Inference	Scientific Skills Experimentation Graphical representation Analysis Imagination	Apprentice Work
	 Heart Pulse rate and Heartbeat Excretion Transportation in Plants 	 Description of the structure of human heart Differentiation between systemic and pulmonary circulation Description of pulse rate and heartbeat Meaning of excretion and explanation of the role played by various organs of the excretory system Explanation of movement of 	Comparing systemic and pulmonary circulation Reasoning why pulse rate and heartbeat increase in some situations Drawing inferences from flow charts depicting processes of circulation and excretion in the human body Reasoning how water, minerals and food are	 Measuring the pulse rate in various situations Doing a role play of an excretory organ Performing an experiment to learn how 	
	III I IIIII	substances in plants	transported in the plants	transportation takes place in plants	
5.	Control and coordination Coordination Among Body Parts Central Nervous System	 Explanation of the need of control and coordination in the body Listing, recognition and functions of the parts of 	 Citing examples of coordinated actions in animals Establishing a relation between body responses 	 Analysing the role of the sense organs and brain in coordinating the actions of the body Demarcating different areas of the brain on a cap 	As an apprentice to a neurologist, the learner draws an outline of the human body and demarcates the different organs of the nervous system and sense organs.

		S	K I L L	S	
Ch.No.	Topic	Knowledge Retention Comprehension Identification Assimilation	Application Correlation Reasoning Problem solving Inference	Scientific Skills Experimentation Graphical representation Analysis Imagination	Apprentice Work
	D.: L. I	the central nervous system (Brain and Spinal cord)	and organs of the CNS and PNS		
	Peripheral Nervous System	 Listing and explanation of different parts of the peripheral nervous system (Sensory and motor nerves) Differentiation between role of sensory and motor nerves 	 Giving reasons for the body's response to different situations Citing other examples of voluntary and involuntary actions 		
	Endocrine System Sensory System	 Explanation of terms such as glands and hormones Explanation of the role played by sense organs 	 Establishing a relation between hormones and their effects Establishing a relation between sense organs 		
	Voluntary and Involuntary Actions Control and coordination in plants	in control and coordination Differentiation between voluntary and involuntary actions Differentiation between growth promoters and growth inhibitors Citation of examples of plant hormones and their uses	 and response to stimuli Differentiating reflex actions from other involuntary actions 	 Enacting a reflex action Graphical representation of a reflex action in a logical sequence 	

		S	KILL	S	
Ch.No.	Торіс	Knowledge Retention Comprehension Identification Assimilation	Application Correlation Reasoning Problem solving Inference	Scientific Skills Experimentation Graphical representation Analysis Imagination	Apprentice Work
	Response to Stimuli	Meaning and examples of tropic and nastic movements	 Citing examples of movements in plants Distinguishing between tropic and nastic movements 	Performing an experiment to learn about tropism in plants	
6.	Reproduction in Plants • Reproduction	Explanation of the meaning and need of reproduction			As an apprentice to a horticulturist, the learner collects samples of plants
	• Types and Methods of Reproduction in Plants	 Differentiation between asexual and sexual methods of reproduction Description of natural and artificial methods of vegetative propagation 	 Growing a new plant with the help of a stem cutting Citing more examples of plants grown by different methods of vegetative propagation Comparing and contrasting asexual and sexual methods of reproduction in plants 	Drawing labelled diagrams to show different methods of vegetative propagation	grown by different methods to learn about different ways of reproduction.
	 Sexual Reproduction 	Description of various parts of a flower	representation in plants	Dissecting a flowerDrawing labelled diagrams of the parts of	
	• Pollination	Differentiation between self and cross pollination	Establishing a relation between pollination and fertilization	a flower	

		S	KILL	S	
Ch.No.	Topic	Knowledge Retention Comprehension Identification Assimilation	Application → Correlation → Reasoning → Problem solving → Inference	Scientific Skills → Experimentation → Graphical representation → Analysis → Imagination	Apprentice Work
	FertilizationSeed Dispersal	 Explanation of how a seed is formed Description of agents of seed dispersal 	Giving examples of other seeds dispersed by wind, water or animals	Using imagination to make a name-plate with the help of seeds of various shapes and sizes	
7.	Good Health • Harmful effects of: - Smoking -Alcohol -Drugs	 Differentiation between active and passive smoking Description of the harmful effects of smoking, alcohol and drugs on health 	Establishing a relation between consumption of tobacco, alcohol and drugs and the health of an individual	 Drawing imaginative posters to spread awareness about the harmful effects of consuming tobacco, alcohol and drugs Reasoning why some cough syrups cause drowsiness Making a flip chart highlighting the harmful effects of drugs on the human body 	As an apprentice to a counselor, the learner creates an MS PowerPoint presentation on the harmful effects of consumption of alcohol, tobacco and drugs.
	Ways to Give Up Smoking, Alcohol and Drugs	Description of various measures to give up addiction	Suggesting measures to give up alcohol, smoking and drugs	 Analysing the harmful effects of consuming alcohol, tobacco and drugs 	

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SCIENCE Chemistry

Class 7

Ch.No.	Topic	Knowledge → Retention → Comprehension → Identification → Assimilation	Application - Correlation - Reasoning - Problem solving - Inference	Scientific Skills Experimentation Graphical representation Analysis Imagination	Apprentice Work
8.	Natural Fibres Fabric from Fibres Wool Silk	 Description of the uniqueness of a fabric and sources of plant and animal fibres Explanation of the discovery and the manufacturing process of wool Description of the salient features of woollen fabrics Explanation of the history and the manufacturing process of silk 	 Establishing the difference in apparel worn by people of different countries Arranging different fabrics according to their weight through an activity Comparing and contrasting the property of absorption of water by different fabrics through an activity Comparing the unique characteristics of various cloth materials through an activity 	 Performing an experiment to check the weight of different fabrics Performing an experiment to check which fabrics absorb more water Analysing the properties of various fabrics and recording observations Exploring the environment Drawing sketches based on observation of 	As an apprentice to a textile engineer, the learner studies the effect of stress on natural fibres.
Education	n Quality Foundation of	Description of the salient features and uses of silk	Choosing the suitable fabric based on specific need 40	different kinds of spiders in our surroundings	

		S	KILL	S	
Ch.No.	Торіс	Knowledge → Retention → Comprehension → Identification → Assimilation	Application Correlation Reasoning Problem solving Inference	Scientific Skills Experimentation Graphical representation Analysis Imagination	Apprentice Work
9.	 Changes Around Us Matter and Its Internal Energy Properties of Matter Physical Changes Chemical Changes 	Explanation of internal energy of a substance due to which changes in state of matter take place Identification of the physical and chemical properties of matter Explanation of changes in terms of change in physical and chemical properties of matter	 Explaining how matter changes its state with change in internal energy Comparing and contrasting the changes taking place in nature through an activity Justifying why a change is a physical or a chemical change through activities 	 Performing an experiment to record the changes in state of wax with the change in internal energy Analysing changes in properties of substances and recording observations 	As an apprentice to a toxicologist, the learner studies the change in propertie of substances and differentiates between the types o changes.
10.	Elements and Compounds Chemical Symbol Grouping of Elements Chemical Compounds	 Meaning and significance of a chemical symbol Description of the groups of metals, nonmetals and semi-metals and their source and uses Meaning and significance of a chemical formula Explanation of how atoms of elements 	 Classifying an element on the basis of its properties Justifying why a particular substance is used for a specific purpose (e.g. metals for wires) Inferring the chemical composition of a compound from its chemical formula 	 Performing an experiment to observe how elements combine to form compounds Analysing how molecules of compounds are made of different combinations 	As an apprentice to a chemical engineer, the learner surveys the medicine box to record various elements or compounds present in the strips, tubes or bottles of medicines.

		S	KILL	S	
Ch.No.	Торіс	Knowledge Retention Comprehension Identification Assimilation	Application Correlation Reasoning Problem solving Inference	Scientific Skills Experimentation Graphical representation Analysis Imagination	Apprentice Work
	• Types of Compounds	 combine to form a compound Classification of compounds as binary, tertiary and quaternary compounds 		of various elements • Presenting information in the form of a table	
	Acids, Alkalies and Neutrals • Acids, Alkalies and Neutral Substances • The pH Value and Range • Indicators to Determine pH Value	 Description of the terms acid, alkali and neutrals Explanation of the term neutralisation Explanation of pH value as a measure of the acidity or alkalinity of a substance Description of the types of indicators used to determine the pH of a solution 	some food items with their acidic, alkaline or neutral nature through an activity	 Performing experiments to determine the acidic or alkaline nature of different substances Performing an experiment to find the effect of acidic or alkaline solution on the germination of seeds 	As an apprentice to a food chemist, the learner experiments with a few indicators and litmus strip to determine the pH values of different substances commonly found at home.
	 Applications of Acids, Alkalies and their Salts 	 Explanation of the different uses of acids, alkalies and their salts 	Justifying the use of certain acidic and alkaline substances in treating waste water, giving relief from insect stings and in reducing acidity	Exploring and collecting soil samples from the environment	

		S	KILL	S	
Ch.No.	Topic	Knowledge Retention Comprehension Identification Assimilation	Application Correlation Reasoning Problem solving Inference	Scientific Skills Experimentation Graphical representation Analysis Imagination	Apprentice Work
12.	Solutions • Homogeneous and Heterogeneous Solutions	Description of homogeneous and heterogeneous solutions	Distinguishing between true solutions and mechanical mixtures	 Performing an experiment and recording observations to differentiate between the two types of 	As an apprentice a biotechnologist, the learner conducts an experiment to
	• Components of a Solution	 Definition of the terms solute, solvent and solution 	Differentiating between the solute and solvent in a solution	solutions	compare the solubility of variou substances at different
	Concentration of Solutions	Explanation of dilute and concentrated solutions	Inferring that the concentration of solution depends on the amount of solute dissolved in it	Performing an experiment to compare the solubility of substances	temperatures.
	Solubility of a Solute	Description of unsaturated, saturated and supersaturated solutions	Justifying the amount of solute required to make unsaturated, saturated and supersaturated solutions	 Preparing unsaturated, saturated and supersaturated solution through an activity 	
	 Pure Substances from Solutions 	Explanation of the methods used to extract pure substances from a solution	Choosing the appropriate method to separate the components of a solution	Drawing a labelled diagram to show the process of distillation	

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SCIENCE Physics

Class 7

Knowledge Application Scientific Skills Retention Correlation Experimentation Apprentice Topic Ch.No. Comprehension Reasoning Graphical representation Work Identification Problem solving Analysis Assimilation Inference Imagination 13. Force & Motion Force Description of how Correlating the change · Performing an As an apprentice to force is exerted due to in shape and motion of experiment to show the a pilot, the learner interaction between two an object with the force deduces the effect of force on an objects applied through an object relationship activity between force, area Effects of Force and pressure. Explanation of the Recording and analysing effects of force on shape observations to know and motion of objects about different types of forces Contact Forces Explanation of different . Comparing friction Analysing the use of types of contact forces between different friction in daily life surfaces through an (Muscular Force, Frictional Forces and activity Tensional Forces) Identification of the different forms of friction (Sliding or Rolling Friction) Non-contact Classification of non-Inferring the non-· Performing an activity contact forces as contact force being to learn properties of Forces Gravitational, Magnetic, exerted through an magnetic forces Nuclear, or Electrostatic activity forces

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		S	KILL	S	
Ch.No.	Topic	Knowledge Retention Comprehension Identification Assimilation	Application Correlation Reasoning Problem solving Inference	Scientific Skills Experimentation Graphical representation Analysis Imagination	Apprentice Work
	PressureDifferent Types of Pressure	 Definition and description of the term pressure Explanation of the type of pressure exerted by solids, liquids and gases 	Comparing the pressure exerted by a liquid, solid and gas Establishing a relationship between pressure and volume through an activity	Analysing the relationship between pressure, force and area	
14.	Heat • Heat	Definition of thermal motion and explanation of effect of heat on particles of matter	Reasoning why a solute dissolves faster in a hot liquid through an activity	Performing an experiment to observe the effect of heat on motion of particles	As an apprentice to a thermodynamics engineer, the learner uses a
	TemperatureTypes of Thermometers	 Definition of temperature Description of how a thermometer is made Identification of different types of thermometers 	Measuring the temperature of a system through an activity Interconversion of temperatures given in Fahrenheit and Celsius scale	Predicting the rise in temperature due to the heat generated in a system through an activity	thermometer, makes predictions, collects data and analyses the results
	Transfer of HeatThermal Insulation	Explanation of the processes of conduction, convection and radiation Description of applications of the concept of thermal insulation in various fields	Differentiating between conduction, convection and radiation through an activity Establishing a relationship between thermal insulation and conservation of energy		

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		S	KILL	S	
Ch.No.	Topic	Knowledge Retention Comprehension Identification Assimilation	Application Correlation Reasoning Problem solving Inference	Scientific Skills Experimentation Graphical representation Analysis Imagination	Apprentice Work
	• Conserving Energy	Stating the Law of Conservation of Energy			
15.	Light Light	Definition and properties of light	Classifying objects as opaque, transparent or translucent	Recording and analysing observations about reflection of light from a plane mirror	As an apprentice to, a photographer, the learner traces the path of light after
	 Composition of sunlight 	 Description of composition of sunlight (Visible, Infrared, Ultraviolet radiations) 	Correlating formation of a rainbow with splitting and scattering of visible light	ріане інптоі	reflection and uses a torch as the source of light to click photographs.
	Reflection of Light	 Definitions of regular and irregular reflections Stating the laws governing reflection of light 	Reasoning why smooth, polished surfaces shine while rough surfaces do not	Making a labelled diagram to show the reflection of light	
	Reflection from Curved Surfaces	Definition of terms used in defining the path of light when reflected from a curved surface	Explaining the use of convex and concave mirrors in various applications	Labelling of convergent and divergent beams of/from concave and convex mirror	
	 Speed of Light in Various Mediums Refraction of light 	 Stating the speed of light in vacuum, air, water and glass Description of the phenomenon of refraction of light 	Reasoning why light bends as the medium of propagation changes through an activity	Performing an experiment to observe how light travels through different mediums	

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Ch.No.	Topic	Knowledge Retention Comprehension Identification Assimilation	Application Correlation Reasoning Problem solving Inference	Scientific Skills Experimentation Graphical representation Analysis Imagination	Apprentice Work
16.	Electricity • Static Electricity	Description of how static electricity is produced due to positive and negative charges that build up on surface of materials	Reasoning for the appearance of spark between charged objects	Experimenting to find the effect of static electricity on transparent tape Recording observations	As an apprentice to an electrical and electronic engineer the learner sends a coded signal using an electric torch.
	 Electric Current Conductors and Insulators Symbols in an Electric Circuit Heating Effect of Electricity 	Explanation that current is the flow of charges Differentiation between conductors and insulators Recognition of the various symbols used in electric circuit Explanation of the fact that electrical energy can be converted into	Correlating the flow of current with the atomic structure of a conductor and insulator Justifying the use of fuse in electrical appliances Reasoning why the flow of electricity results in producing heat through	 Graphic representation of an elecric circuit Analysing the heating effect of electricity on a nichrome and 	
	Magnetic Effect of Electricity	Explanation of the fact that a magnetic compass can be deflected by passing an electrical current and that a magnetic field can be used to generate an electric current	Justifying that electricity and magnetism are linked to each other through an activity	aluminum wire	

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Ch,No	. Topic	Knowledge Retention Comprehension Identification Assimilation	Application Correlation Reasoning Problem solving Inference	Scientific Skills	Apprentice Work
17.	 Technology Engineering Problems Causes of Design Failure Avoiding Design Failure 	 Identifying the various engineering problems and their causes Description of a few causes of failure of a structural design Explanation of measures to be taken to prevent design failure 	 Reasoning to explain design failure of a structure Suggesting measures to avoid design failures 	 Analysing the problems and solutions faced by structural engineers through a case study of Burj Al Arab Analysing a design and making modifications to improve stability 	As an apprentice to a structural engineer, the learner studies some of the factors that affect the stability of a structure.
18.	 Unifying Concepts Wave Nature of Energy Waves as Unifying Concept 	 Description of waves as a means of propagating energy Description of application of wave nature of light, sound, heat and electricity 	 Understanding the wave nature of energy, light, sound and heat Inferring that waves are the unifying factor responsible for transmission of energy 	Performing an experiment to know how energy is transmitted	As an apprentice to a telecommunication engineer the learner uses a television remote to understand the application of IR radiations.
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HISTORY

Class 7

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		S	KILL	S	120 120 120 120
Ch.No.	Topic	Knowledge Retention Comprehension Identification Assimilation	Application Correlation Reasoning Problem Solving Inference	Social Science Skills Awareness Graphical representation Organisation Imagination	Apprentice Work
1.	Understanding and Preserving Heritage Historical sources Manuscripts Museums Some prominent museums in India and around the world	 Understanding primary and secondary sources Defining manuscripts Defining museums Collating information and pictures of some famous museums Understanding the role played by museums 	Separating primary and secondary sources from a given list Deciphering a manuscript from a 14th century English text	Developing awareness of the importance of primary sources	As an apprentice to a curator, the learner organises an exhibition using old objects collected from homes to get a first hand experience of how curators work
	Museum management	 Understanding how manuscripts were written in earlier times Discussing preservation and storage of manuscripts in a digital format 	Writing a report on the importance of museums	Appreciating the painstaking efforts taken by scribes before the onset of printing	

Ch.No. Topic	Knowledge Retention Comprehension Identification Assimilation	Application Correlation Reasoning Problem Solving Inference	Social Science Skills	Apprentice Work
 Political Life in India from 750 CE to 1200 CE Kingdoms in the North Kingdoms in the South Attacks by Mahmud Ghazni 	Learning about northern kingdoms of Palas, Rajputs, Pratiharas and Rashtrakutas Understanding Cholas, Pandyas and Cheras in the south Studying of social structure and administration in the north and the south Describing of art and architecture in the different regions Identifying of some prominent temples of this era from pictures	 Comparing the administration in the north with that of the systems in the south Giving reasons for the weakening of the king's position over a period of time Understanding the impact of the attacks by Mahmud Ghazni Drawing inference from the religious changes during this period 	 Developing awareness of trading contacts between the northern and the southern kingdoms Visualising the lives of the artisans during this period 	As an apprentice to a Palaeographer, the learner deciphers a hand written script. As a result, the learner becomes aware of the methodology and the difficulties faced by Palaeographers while deciphering ancient scripts.

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Ch.No. Topic	Knowledge → Retention → Comprehension → Identification → Assimilation	Application Correlation Reasoning Problem Solving Inference	Social Science Skills Awareness Graphical representation Organisation Imagination	Apprentice Work
3. Society in India from 750 CE to 1200 CE • Administration • Trade and Commerce • Religion • Society	 Understanding the administrative structure from the 8th to 12th century Understanding national and international trade connections Identifying the prevalence of Hinduism. Distinguishing between Vaishnavas and Shaivas Discussing social structure and lifestyle of different social classes Understanding gender relations in different social classes 	 Analysing the power distribution between Nadu, Vallanadus and Mandalams Analysing the role of temples as centres of trade. Naming and giving features of the most significant temples in India Inferring the impact of the development of the concept of Mathas as centres of learning Inferring the impact of the rise of women poets 	Correlating the changes that came about in this distribution by the end of the 12th century Developing an understanding of the economy and the tax system Making the distinctions between the new rising branches of religion Debating the possible causes for these diversions in religious beliefs Developing an awareness of the social structure and the system of education	As an apprentice to an anthropologist, the learner traces the changes in clothing trends due to the changing lifestyle over the past fifty years.

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Ch.No. Topic	Knowledge Retention Comprehension Identification Assimilation	Application Correlation Reasoning Problem Solving Inference	Social Science Skills Awareness Graphical representation Organisation Imagination	Apprentice Work
Language and literature Art and architecture	 Understanding major languages in use along with famous scriptures Giving examples of important works of art during this period 	 Giving reasons for the importance of regional languages Commenting on temple art highlighting on Jain temples 	Awareness of the rising form of art under Jain patronage	
4. Delhi Sultanate • Muhammad Ghori • Qutbuddin Aibak • Iltutmish • Razia • Mongolian invasions • Khalji dynasty • Tughlaq dynasty	Understanding personalities of the early Turkish rulers Identifying Razia as the only woman Muslim ruler of Delhi Sultanate Describing the establishment and consolidation of the Khalji dynasty Understanding Muhammad bin Tughlaq and his policies Identifying changes brought about under Firoz Shah Tughlaq Timur's invasion Sayyids and Lodis	Comparing the attacks of Chengiz Khan with that of the invasions of Ghazni and Ghori Drawing inference about the Rajput culture from a case study on the attack on Chittor Discussing problems that arose due to Muhammad Tughlaq's shifting of capital Comparing the rule of two rulers of the Tughlaq dynasty	 Imagining how the people in the north would have reacted to new Turkish rulers Writing a critique on the experimentations by Muhammad Tughlaq Short write-up on the dynasties after the Tughlaqs 	As an apprentice to a historian, the learner traces the history of the city of Delhi and noting the important political changes taking place and the development as a capital.

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Ch.No.	Topic	Knowledge Retention Comprehension Identification Assimilation	Application Correlation Reasoning Problem Solving Inference	Social Science Skills Awareness Graphical representation Organisation Imagination	Apprentice Work
	Delhi Sultanate Administration and Society Political life Social life Literature Music	 Comprehending the power of the sultan Describing the administrative structure Giving an overview of the aristocracy, priests and peasants Identifying the influence of some Bhakti and Sufi saints Identifying qawwali as a style of devotional singing that developed during this period 	 Comparing lifestyle of people in big cities and smaller towns under the Delhi Sultans Inferring the reasons for the development of regional languages 	Making a flowchart showing the different hierarchies in the political system of Delhi Sultanate	As an apprentice to a columnist, the learner collects articles from different newspapers and magazines and identifies allusions to historical source in the newspaper columns.
	• Art and architecture	Enumerating examples of several forts and mosques built during this period		Developing awareness of the main feature of the structures built during this period such as the use of arcs and domes	

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Ch.No. Topic	Knowledge Retention Comprehension Identification Assimilation	Application Correlation Reasoning Problem Solving Inference	S Social Science Skills Awareness Graphical representation Organisation Imagination	Apprentice Work
 The Advent of Mughals Babur The first Battle of Panipat, Kanwah and Ghagra Humayun Sher Shah Suri The Vijayanagar Empire 	 Introducing Babur as a leader and a brilliant general Writing about Humayun and his successes and defeats Identifying Sher Shah as a powerful opponent of the Mughals Describing the battles of Chausa and Kannauj Understanding Sher Shah's administration Identifying Krishnadeva Raya as the most prominent ruler of 	 Correlating different events to understand how Babur established control over a vast area Exploring reasons for the rise of Sher Shah as a powerful ruler Co-relating infrastructure building activities of today with Sher Shah's road projects Evaluating Sher Shah's introduction of 'rupia' Reasoning as to why Hampi is such an important historical site 	Visualising how Babur would have encouraged his troops in the battle of Panipat Making graphical flowcharts of the power transfers between Ibrahim Lodhi and Babur Making a flowchart showing all of Sher Shah's achievements	As an apprentice to a political analyst, the learner compares and analyses the administrative systemof Sher Shah Suri.

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Ch.No.	Topic	Knowledge Retention Comprehension Identification Assimilation	Application Correlation Reasoning Problem Solving Inference	Social Science Skills Awareness Graphical representation Organisation Imagination	Apprentice Work
		Describing the Bahamani kingdom	Giving reasons for the rising conflict between the Vijayanagar and the Bahamani empire	Comparing the two powerful kingdoms	
7.	Akbar • Akbar's early life	Studying Akbar's ascent to the throne and his personal characteristics	Drawing parallels with the conquests of the early Mughal rulers	Visualising the crowning of a fourteen year old Akbar	As an apprentice to a diplomat, the learners play out a imaginary
	• Expansion of Empire	Describing Akbar's plan for expansion of his territory Understanding Akbar's	Enumerating reasons why Akbar is considered the greatest Mughal ruler		diplomatic interface between emperor Akbar and the Prime Minister of India. The
	Akbar's religious beliefs	Rajput alliances Comprehending the impact of abolishment of jazia Appreciating Akbar's Din-i-ilahi Akbar's social reforms			agenda is to establish if the mansabdari systen implemented by Akbar could be put to effective use in modern-day India.
	• Akbar's court	 Appraising Akbar's court culture Enumerating Akbar's nauaratnas 	Analysing the aftermath of Akbar's death	Organising the names of Mughal rulers in a time line	·

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Ch.No.	Торіс	Knowledge Retention Comprehension Identification Assimilation	Application Correlation Reasoning Problem Solving Inference	Social Science Skills Awareness Graphical representation Organisation Imagination	Apprentice Work
8.	Mughal Consolidation • lahangir	 Understanding the administration and cultural and political developments during Jahangir's reign 	 Understanding reasons for Jahangir's approach towards the Portuguese and the English 	Debating the positives and negatives of the system of 'chain of justice'	As an apprentice to a conservation architect, the learner studies the damages caused to
	 Shah Jahan Shah Jahan's administration 	 Understanding expansion of the Mughal empire under Shah Jahan Identifying Shah Jahan's contribution to the art and architecture 	 Analysing the social conditions under the reign of Jahangir Specifying why Shah Jahan's reign is referred to as the golden period of the Mughals Surveying the 	Imagining oneself as Shah Jahan to create a personal profile the way it is done in modern day applications such as the Facebook	the Taj Mahal and the Humayun's Tomb and makes an MS Powerpoint presentation on the restoration of the two said monuments.
	T1	 Assimilating details of Shah Jahan's policies throughout his 30 year reign Studying Aurangzeb's war campaigns and policies Understanding Aurangzeb's policy towards Marathas and the Deccan 	Correlating the geographical extent of Aurangzeb's empire and its consequences on the regional powers	• Imagining the lives of Hindus under Aurangzeb	

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Ch.No.	Topic	Knowledge Retention Comprehension Identification Assimilation	Application Correlation Reasoning Problem Solving Inference	Social Science Skills Awareness Graphical representation Organisation Imagination	Apprentice Work
	Decline of the Mughal Empire	Understanding the impact of attacks from the NWFP Identifying the regional kingdoms that rose to power towards the end of Aurangzeb's reign	Comparing the lifestyle and the religious policy followed by Akbar and Aurangzeb	Correlating Aurangzeb's absence due to his long military campaigns with the condition of the public during his reign	
9.	The Mughal Magnificance Mughal Administration Mansabdari System	 Understanding the central and the provincial administration under the Mughals Identifying the chief officials in Akbar's court Understanding the pros and cons of the mansabdari system 	 Giving a critique of how the Mughals fought wars and organised warfare strategy Studying the divisions under Mughal army 	 Developing awareness of the cultural diversity under the Mughal period Graphically organising the levels of Mughal administration and debating of the different aspects of organisation 	As an apprentice to a art historian, the learner traces the history and development of the miniature style of paintings under different Mughal rulers.

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Ch.No. Topic	Knowledge → Retention → Comprehension → Identification → Assimilation	Application Correlation Reasoning Problem Solving Inference	Social Science Skills Awareness Graphical representation Organisation Imagination	Apprentice Work
• Mughal Revenu System	• Understanding the tax system under the Mughals and the role of Zamindars	Comparing the items exported and imported under the Mughal rule with the goods imported and exported in modern	Developing awareness about the change in traded goods over a period of time	
 Life of people 	 Studying the travellers and lifestyle of different social groups Comparing the life of people in urban and rural areas 	 India Inferring the impact of Akbar's dictat abolishing sati 		
• Mughal Architecture	Identifying the architectural developments under different Mughal rulers	Drawing parallels between different styles and themes of Mughal architecture	Working in groups to find out the sources of the raw material used for the structures built under the Mughals	
Mughal Painting	s • Studying Mughal paintings	 Giving reasons for the difference in the 	· ·	
• Music	Tracing the development of music and musical instruments under the Mughals	development of literature in the south with the literature encouraged in the north under the Mughals		
• Language and Literature	 Identifying the prevalence of regional languages and Persian as a court language 			

CIVICS

Class 7

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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 Awareness Graphical representation Organisation Imagination	Apprentice Work
1.	Grappling with Inequality Democracy and equality Social inequalities Inequality due to caste- based discrimination Inequality due to religious discrimination Gender inequality Economic inequality	 Description of democracy and equality Listing different kinds of inequalities Explanation of different factors causing religious inequality gender inequality economic inequality 	 Analysing the adverse effects of inequalities and impact of love and compassion Correlating and applying creativity by writing a slogan Providing solutions for economic inequality 	 Graphical representation of various inequalities Using imagination to write a slogan Picking out examples of inequalities from day-to day lives Preparing a list of things missed out as an illiterate 	As a Political leader, enacting a scene from the lives of great leaders, depicting how they stood for their cause and fought for equality.
2.	Towards Equality • Struggles in the past to remove inequality	Naming Indian social activists and reformers of pre-independence and post-independence period Describing the issues raised and the steps taken by them	Establishing co-relation by assuming the role of a reformer and suggesting measures to eliminate discrimination	Graphical representation of different reformers welfare measures related provisions in the Constitution present day solutions through NGOs	As a social entrepreneur, urging the people through slogan writing and street play to shed prejudices and treat each other equally.

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Ch.No. Topic	Knowledge Retention Comprehension Identification Assimilation	Application Correlation Reasoning Problem Solving Inference	Social Science Skills Awareness Graphical representation Granisation Imagination	Apprentice Work
 Political equality Need for welfare measures 	 Explanation of political equality. Universal Adult Franchise and Equality in the Constitution Citing examples of present day Social Entrepreneurs and NGOs and govt. efforts Describing how a learner can be a volunteer 	 Analysing the provisions of the Constitution related to the equality of all including disabled children Analysing and evaluating the welfare measures taken by the govt, and NGOs 	 Getting sensitised to organise oneself as a young budding social activist Exploring possibilities of empowering women in different ways 	
3. Tackling Gender Issues				
Gender roles	Description of the stereotyped roles of boys and girls	Analysing the impact of age-old stereotypes	Graphical representation of the areas of discrimination, steps taken by NGOs and the government	As a Social Entrepreneur working for the welfare of women, making a scrap
 Areas of discrimination or inequality Gender 	 Explanating the different areas where gender discrimination is done Citing the examples of 	Pointing out the areas of discrimination		book on the gender specific attitudes and opinions formed by media through ads and
empowerment	NGOs working for women empowerment		•	pictures.
• Steps taken by the government	 Listing steps taken by the govt. for women empowerment 	 Evaluating the role of NGOs in gender empowerment 	Understanding the shift of women's role in past and present	

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	S	KILL	S	
Ch.No. Topic	Knowledge Retention Comprehension Identification Assimilation	Application → Correlation → Reasoning → Problem Solving Inference	Social Science Skills Awareness Graphical representation Organisation Imagination	Apprentice Work
Women's voices and struggles	Writing about women coming to the forefront and raising their voice against injustices	Evaluating the methods employed by women to express their opinion on govt.'s policies	Discussion about the women achievers in different fields of sports, theatre, art etc.	
4. State Government • Structure of the state government	Listing the three important parts of the State Government	Distinguishing between the composition and functions of the various organs of the State Government	Graphical representation of the various organs of the State Government and their inner composition	As a minister or a bureaucrat holding a Press Conference briefing the media on policy decisions.
LegislatureExecutiveJudiciary	• Describing the functions of the organs of the State		Graphical representation of the Constituencies of Delhi	
	• Explaining the functioning of the Govt. of NCT of Delhi	Comparing the governance of NCT of Delhi with that of the State Government	Listing the problems faced by the people of your colony and suggesting solutions	
	Illustrating with examples the transparency and accountability of the govt. machinery	Preparing a chart and writing a slogan on different issues	Critical Appraisal of the ways and means adopted by the State machinery, ministry and officials to reach people	

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Ch.No. Topic	Knowledge Retention Comprehension Identification Assimilation	Application Correlation Reasoning Problem Solving Inference	Social Science Skills Awareness Graphical representation Organisation	Apprentice Work
 5. Providing Healthcare and Education Role of the Government in providing education Higher education Government initiatives Healthcare in India Public health services Private health services Steps taken 	 Listing the agencies involved Describing public and private sector services in providing education Stating the problems faced in reaching out to all citizens Describing public and private sector services providing healthcare Citing some examples of positive measures taken by the government 	 Classifying the kinds of services available in healthcare and education Analysing the role played by the public and the private sector Comparing the services provided by the public and the private sector Collecting and sharing information to initiate a campaign 	 Graphical representation of public and private sector services in healthcare and education Describing the services available in the learner's state Planning effective measures and possible solutions to the problems faced 	As a minister of Health and Education or a CEO of a corporate house, holding a press conference to brief and apprise the public on the future strategies and modernising plans taken by the government.
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	S	KILL	S	
Topic	Knowledge → Retention → Comprehension → Identification → Assimilation	Application Correlation Reasoning Problem Solving Inference	Social Science Skills Awareness Graphical representation Urganisation Imagination	Apprentice Work
esources Resources Land	 Defining resources Describing three important factors involved in the procedure from production to consumption 	Finding out various factors involved in opening of an account	 Planning and organising as an entrepreneur Listing the products having a competitive market 	As an entrepreneur preparing a project report for opening juice factory.
Capital	 Explaning the various factors involved in production Describing the factors related to the pricing of the product 	Explaining the proper use of capital to start new business	Explaining different categories of capital	
Labour	Explaning the competitive market based on the quality of the product	Comparing skilled and unskilled labour	Describing different kinds of labour	
	esources Resources Land Capital	Topic Knowledge Retention Comprehension Identification Assimilation Pesources Resources Resources Land Describing three important factors involved in the procedure from production to consumption Capital Explaning the various factors involved in production Describing the factors related to the pricing of the product Labour Explaning the competitive market based on the quality of	Topic Knowledge Retention Comprehension Identification Assimilation Reasoning Problem Solving Inference Problem Solving Inference Problem Solving Problem Solving Froblem Solving Problem Solving Froblem	Topic Comprehension

Ch.No.	Торіс	Knowledge Retention Comprehension Identification Assimilation	Application Correlation Reasoning Problem Solving Inference	Social Science Skills Awareness Graphical representation Organisation Imagination	Apprentice Work
7.	Types of Economic Systems Barter system Copialist economy Mixed economy	 Listing and describing different forms of economies with examples Describing the merits and demerits of all the systems 	 Discussing different economies in the world Explaining barter system through the exchange of goods within the class Evaluating the working of the related institutions Analysing the merits and demerits of all the systems 	 Graphical representation of the different forms and institutions involved Describing the system of economy adopted in various countries and one's own country Preparing a write-up on the most appropriate system for India 	As an economist preparing a report on the economic conditions of the three different types of economic systems.
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GEOGRAPHY

		S	KILL	S	
Ch.No.	Topic	Knowledge Retention Comprehension Identification Assimilation	Application Correlation Reasoning Problem Solving Inference	Social Science Skills Awareness Graphical representation Organisation Imagination	Apprentice Work
1.	The Forces Beneath Internal structure of the earth Movement of Lithospheric plates -Earthquakes -Volcanoes How people live in earthquake/volcano prone areas and disaster management in such regions	 Identification of the internal layers of the earth Understanding of lithospheric plates Differentiating between diffrent volcanic formations Understanding the process of earthquakes and volcanic eruptions. 	Understanding the effect of internal movements on the earth surface Understanding the process of mountain building Analysing readings of a Richter scale Stating important facts about earthquakes and volcanoes Preventing or mitigating earthquake/volcanic disasters	Graphically representing the earth's crust Listing different kinds of volcanoes Locating areas of frequent volcanic action Listing the earthquake safety tips	The learners make a working model of a volcano and demonstrate the volcanic eruption as a seismologist.

Ch.No.	Topic	Knowledge Retention Comprehension Identification Assimilation	K I L L Application Correlation Reasoning Problem Solving Inference	Social Science Skills - Awareness - Graphical representation - Organisation - Imagination	Apprentice Work
	Air pollution – its ill effects	 Naming the different layers of the atmosphere Explanation of composition of air Understanding the influence of air temperature on air pressure Description of types of wind Listing different types of cyclones Explanation of effects of air pollution on health Citing the examples of organisation working to reduce pollution 	 Reasoning the cause of planetary and local winds Comparing the air pressure at different altitudes Understanding the effect of wind on the climate of a place Analysing the human activities leading to air pollution 	 Graphically representing the different pressure belts of the earth and planetary wind movement Representing the areas prone to cyclones on a world map Awareness of natural causes of air pollution 	As an environmentalist the learners collect information on the changes occurring in the atmosphere to prepare a newsletter on atmosphere.
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Ch.No	o. Topic	Knowledge Retention Comprehension Identification Assimilation	Application Correlation Reasoning Problem Solving Inference	Social Science Skills - Awareness - Graphical representation - Organisation - Imagination	Apprentice Work
3.	Water Water cycle, rainfall, humidity Rivers, seas & ice Waves, tides, ocean currents Water pollution Effect of water pollution on humans Case Study: Any major Indian river (Yamuna)	 Description of rainfall, humidity and water cycle Defining a river Getting aware of tides and ocean currents Listing the oceans of the world Explanation of effects of water pollution on health. 	 Analysing the water cycle, rainfall and humidity Pointing out the causes of water pollution Analysing the causes of water pollution 	Locating the important rivers of India on an outline map of India.	As oceanographers the learners get into groups to make an 'ocean album'. Learners collects information (pics etc) about oceans – their location, area, climate, marine life and all related interesting facts.
4.	 Face of the earth Denudation agents Major landforms 	 Formation of different landforms due to denudation Understanding the role of agents that help in the formation of landforms Identifying the differences in plains, plateaus, mountains and deserts 	Understanding how internal and external forces change the face of the earth.	representing landforms formed by the agents of denudation Graphically representing the different stages of the	The learners prepare and enact 'Yatra-an Indian journey' portraying the landforms, their culture (song, dance, language etc) of any one region.

		S	KILL	S	
Ch.No.	Topic	Knowledge → Retention → Comprehension → Identification → Assimilation	Application Correlation Reasoning Problem Solving Inference	Social Science Skills Awareness Graphical representation Organisation Imagination	Apprentice Work
	 Lifestyle in the different landforms 	 Differentiating and describing lifestyle in different landforms. 	 Giving reasons for the diverse cultures and practices in India. 	Collecting information about the lifestyle of people from different pictures and magazines	
5.	 Natural Vegetation Types of forests (tropical, coniferous, temperate) Desert vegetation Grasslands 	importance of forestsListing different	 Differentiating between the various forests found in India. Analysing the vegetation found in different forest areas 	 Generating a report on deciduous forests Graphically representing areas where different forests and deserts are found on a political map of the world 	As forest officers, the learners in a group collect information on different trees which are part of the natural vegetation of the school and present the same in the
	Life of people in different regions	grasslands of world	 Highlighting the life of people living in forest and grassland areas and conservation of forests. 		form of a poster.