

## BIFURCATION OF SYLLABUS (2023-24)

SUBJECT: - ENGLISH

CLASS: - VIII

**NCERT TEXT BOOKS - HONEYDEW, IT SO HAPPENED & GRAMMAR**

<b>TERM1</b>	<b>ASSESSMENT</b>	<b>MONTH</b>	<b>WORKING DAYS</b>	<b>CHAPTER</b>	<b>LEARNING OBJECTIVES</b>	<b>ACTIVITY</b>	<b>SYLLABUS COVERAGE</b>
<b>April To September</b>	<b>PT1 (April to July)  Max M:40 (Weightage 5 m)</b>	<b>April</b>	<b>15</b>	<b>1. Honeydew Ch1. The Best Christmas Present in the World. (Prose)</b>	<ul style="list-style-type: none"><li>• To understand the importance of global peace and harmony.</li><li>• To narrate an event sequentially.</li><li>• Use of phrasal verbs.</li></ul>	<ul style="list-style-type: none"><li>• Write a <b>diary entry</b> on- The best Christmas present you have got so far.</li><li>• Describe the significance of humanity and peace even during the war.</li></ul>	<b>30% OF ENTIRE SYLLABUS</b>
				<b>2. The Ant and the Cricket. (poem)</b>	<ul style="list-style-type: none"><li>• To recognise and classify the genre of a fable. Relate this particular fable to real life experiences.</li><li>• To understand the Importance of time management.</li><li>• To know more about Literary devices used in the poem.</li></ul>	<ul style="list-style-type: none"><li>• Making a <b>comic strip</b> of the poem</li><li>• <b>Dramatization</b> of the poem.</li><li>• <b>Narration</b> of the poem in form of a story.</li></ul>	
				<b>3. Diary Entry (Writing)</b>	<ul style="list-style-type: none"><li>• Format learning. Development of</li></ul>		

					<p>creative ideas, expression and the art of documenting events and facts.</p> <ul style="list-style-type: none"> <li>Enabling personal reflection and refining self- expression.</li> </ul>	<ul style="list-style-type: none"> <li>Practising few examples of diary entry.</li> </ul>	
				<p><b>4. It So Happened-L1: HOW THE CAMEL GOT ITS HUMP</b></p>	<ul style="list-style-type: none"> <li>To learn the importance of mutual help and co-operation and act wisely.</li> <li>Vocabulary enrichment.</li> <li>Reading comprehension.</li> </ul>	<ul style="list-style-type: none"> <li>Write a short <b>charactersketch</b> about the camel.</li> </ul>	
				<p><b>5. VERBS</b></p>	<ul style="list-style-type: none"> <li>Knowing different kinds of verbs and their usage in day- to - day conversation and writing and thereby enhancing their use in language.</li> </ul>	<ul style="list-style-type: none"> <li>Completion of grammatical exercises.</li> <li>Identification of regular and irregular verbs.</li> </ul>	
		<b>May/June</b>	<b>15</b>	<p><b>6. Supl Reader - L2. CHILDREN AT WORK</b></p>	<ul style="list-style-type: none"> <li>To develop an empathetic approach towards the deprived kids and to value the small little things they receive in their life.</li> </ul>	<ul style="list-style-type: none"> <li><b>GD on 'All work is dignified : there is no menial work'.</b></li> </ul>	
				<p><b>7. Honeydew: Ch-2 The Tsunami (Prose)</b></p>	<ul style="list-style-type: none"> <li>To be aware about the natural calamities and disaster management.</li> <li>To learn to think beyond the text.</li> </ul>	<ul style="list-style-type: none"> <li>Making a list of the most devastating natural calamities of the world. Name the country and the year.</li> <li>Write an <b>article on 'Disaster Management'.</b></li> </ul>	

				<b>8. Geography Lesson (poem)</b> <ul style="list-style-type: none"> <li>To understand the central idea and theme of the poem.</li> <li>To be aware of the geographical aspects of the earth.</li> <li>Development of critical thinking.</li> </ul>	<ul style="list-style-type: none"> <li>Making a <b>poster on- Global peace and harmony.</b></li> <li><b>Slogan writing on 'Unity of Earth's Inhabitants'</b></li> </ul>
				<b>9. Modals (Grammar)</b> <ul style="list-style-type: none"> <li>To know the different kinds of modal verbs and their correct application in sentences.</li> <li>To be able to explain how changing modals can change the meaning of a sentence.</li> </ul>	<ul style="list-style-type: none"> <li>Choosing the correct modal verb to complete the sentences.</li> <li>'Agony Aunt Activity: Students will work in pairs, one playing the role of a confused child and the other will enact the wise aunt.</li> </ul>
		<b>July</b>	23	<b>10. Honeydew: Macavity: The Mystery Cat (poem)</b> <ul style="list-style-type: none"> <li>To appreciate the humour in poetry.</li> <li>To understand the significance of poetic devices in literature and narratives.</li> </ul>	<ul style="list-style-type: none"> <li>Read the poem with perfect pronunciation and intonation.</li> <li><b>Poster making on 'WANTED / MISSING on any person/thing'.</b></li> </ul>

				<b>11.Tenses (Grammar)</b>	<ul style="list-style-type: none"> <li>To clarify the idea of when a particular action takes place.</li> <li>To demonstrate correct usage of different verbs relating to different time periods.</li> </ul>	<ul style="list-style-type: none"> <li><b>Newspaper activity :</b> Underline the verbs and identify the tense of the verb on any particular topic</li> </ul>	
				<b>12.Formal Letter Writing</b>	<ul style="list-style-type: none"> <li>To learn the format and style of official communication and the specific language used.</li> </ul>	<ul style="list-style-type: none"> <li>Write a formal letter to the editor of any newspaper regarding any social issue.</li> </ul>	
				<b>13. Honeydew: Ch3 -Glimpses of the Past. (Prose)</b>	<ul style="list-style-type: none"> <li>To learn the role of farmers in the freedom struggle of our country.</li> <li>To be aware of the struggle borne by the Indian artisans.</li> </ul>	<ul style="list-style-type: none"> <li>Analyse and explain the role of Raja Ram Mohan Roy in changing the blind beliefs and superstitions.</li> </ul>	
		<b>August</b>		<b>14.Supl Rd L3:The Selfish Giant. (Story)</b>	<ul style="list-style-type: none"> <li>To sensitise the children as social beings and their need to be social, kind and helpful towards other</li> </ul>	<ul style="list-style-type: none"> <li>Write an <b>imaginary conversation</b></li> </ul>	<b>50% OF ENTIRE SYLLABUS</b>



<p style="text-align: center;"><b>PT-2</b></p> <p style="text-align: center;"><b>(August to September)</b></p> <p style="text-align: center;"><b>Max M:80</b> <b>(Weightage 80 m)</b></p>	24		<p>children.</p> <ul style="list-style-type: none"> <li>To develop the power of expression by using suitable adjectives.</li> </ul>	<p><b>between the giant and the little boy towards the end of the story.</b></p>
		<p><b>15. Honeydew: Ch -5: The Summit Within (Prose)</b></p>	<ul style="list-style-type: none"> <li>To understand the idea of how having an iron will, strong determination, resilience and perseverance can help to achieve our goals.</li> </ul>	<ul style="list-style-type: none"> <li><b>Food for thought-</b> How does the story help you to develop your character.</li> <li><b>PPT on 'Is scaling the Everest worth the risk of death?'</b></li> </ul>
		<p><b>16. Descriptive Paragraph Writing. (About a person)</b></p>	<ul style="list-style-type: none"> <li>To provide the reader with a detailed account of a person including the physical features and characteristics.</li> <li>Enhancement of expression and language enrichment.</li> </ul>	<ul style="list-style-type: none"> <li>Descriptive paragraph writing about any famous personality based on the given clues.</li> </ul>
		<p><b>17. Ch4: BepinChoudhury's Lapse of Memory &amp; The Last Bargain (Poem)</b></p>	<ul style="list-style-type: none"> <li>To understand the truth that freedom and happiness in life are more important than money, power and external beauty.</li> </ul>	<ul style="list-style-type: none"> <li>Enactment of the poem.</li> <li><b>GD on 'Should we do pranks just for the sake of fun?'</b></li> </ul>

				<b>18. Subject-Verb Agreement (Grammar)</b>	<ul style="list-style-type: none"> <li>To frame grammatically correct sentences by understanding the agreeable relationship between subjects and verbs.</li> </ul>	<ul style="list-style-type: none"> <li>Completion of grammatical exercises related to this topic.</li> <li>Playing a game based on subject-verb concord.</li> </ul>	
				<b>19. Supl Rd. L-5. Princess September</b>	<ul style="list-style-type: none"> <li>To realise the truth that holding good values and being close to nature are always rewarding.</li> <li>To value everyone's freedom.</li> </ul>	<ul style="list-style-type: none"> <li>Group discussion on: What do they learn from the story and how would they apply the moral in their life?</li> </ul>	
		September	22	<b>20. Supl Rd: L-6. The Fight (Story)</b>	<ul style="list-style-type: none"> <li>To follow the idea that mutual respect and understanding bridge the gap and help to resolve any disagreements in life.</li> </ul>	<ul style="list-style-type: none"> <li><b>WORD WEB :</b> Ranji and Suraj – their good and bad qualities</li> </ul>	
				<b>21. School Boy (poem)</b>	<ul style="list-style-type: none"> <li>To make a connection with nature and getting space in life for holistic growth and development of a child</li> </ul>	<ul style="list-style-type: none"> <li>Write a short poem/ paragraph - The school of my dreams.</li> </ul>	
				<b>22. The Treasure Within. (Prose)</b>	<ul style="list-style-type: none"> <li>To nurture our own interests,</li> </ul>	<ul style="list-style-type: none"> <li><b>SPEAK YOUR</b></li> </ul>	

					passion and talent and pursue them as our career choice.	<b>MIND :Its better to fail than to cheat and pass.</b>	
				<b>23.Article Writing</b>	<ul style="list-style-type: none"> <li>Gaining reporting skills and articulating thoughts clearly.</li> <li>Enhancing reporting skills.</li> </ul>	<ul style="list-style-type: none"> <li>Write an <b>article on: The balance between work and pleasure.</b></li> </ul>	
				<b>24. Reported Speech (Statement and commands &amp;request)</b>	<ul style="list-style-type: none"> <li>To differentiate between two forms – Direct Speech and Indirect Speech.</li> <li>To maintain the tone and the mood of the speaker appropriately.</li> <li>To familiarize with the rules related to time and pronoun.</li> </ul>	<ul style="list-style-type: none"> <li>Working in pairs to understand how the same sentence can be said in the direct and indirect speech.</li> </ul>	
<b>TERM 2</b>	<b>PT3</b>	<b>October</b>	<b>20</b>	<b>25.HoneydewCh: 6This is Jody's Fawn. (Prose)</b>	<ul style="list-style-type: none"> <li>To keep a balance in the human world and the animal world with empathetic approach.</li> </ul>	<ul style="list-style-type: none"> <li><b>A group discussion on- Nothing in this world comes free.</b></li> </ul>	<b>35% OF TERM 2 SYLLABUS</b>
<b>October to March</b>	<b>(October to December)</b>		<b>26. Active – Passive Voice (Grammar)</b>	<ul style="list-style-type: none"> <li>To be familiar with the rules and the changes related to the topic.</li> </ul>	<ul style="list-style-type: none"> <li>Completion of grammar book exercises.</li> </ul>		
	<b>Max M:40 (Weightage 5 m)</b>		<b>27. The Duck &amp; the Kangaroo. (Poem)</b>	<ul style="list-style-type: none"> <li>To enjoy the importance of unconditional friendship and support.</li> </ul>	<ul style="list-style-type: none"> <li>Knowing about humour poems.</li> <li><b>Speak on the characters – the Duck &amp; the Kangaroo</b></li> </ul>		

				<b>28. Supl Rd: L-7: The Open Window (Story)</b>	<ul style="list-style-type: none"> <li>To have control over our imaginative power and to restrain from playing any mischief with any stranger.</li> </ul>	<ul style="list-style-type: none"> <li><b>JAM – Is it okay to play any prank on a person elder to you?</b></li> </ul>
		November	22	<b>29. Honeydew Ch: 7-A Visit to Cambridge. (Prose)</b>	<ul style="list-style-type: none"> <li>To be aware of living a meaningful life by giving more stress on mental strength, ability and courage.</li> </ul>	<ul style="list-style-type: none"> <li><b>Read about any five famous differently-abled people and their contribution towards the development of society.</b></li> </ul>
				<b>30. When I Set out for Lyonesse. (Poem)</b>	<ul style="list-style-type: none"> <li>Vocabulary enrichment and learning of poetic devices.</li> </ul>	<ul style="list-style-type: none"> <li><b>Write a short poem on an imaginary place.</b></li> </ul>
				<b>31. Supl. Rd. L-8 Jalebis (Story)</b>	<ul style="list-style-type: none"> <li>To realise the importance of honesty and sincerity.</li> <li>To realise that God helps those who help themselves.</li> <li>To develop their imaginative skill.</li> </ul>	<ul style="list-style-type: none"> <li>Narrate any incident where you are tempted to do something but it is incorrect and your conscience is restraining you from doing it or if you have ignored it, what consequences did</li> </ul>

						<p>you face?</p> <ul style="list-style-type: none"> <li>• <b>One Act Play.</b></li> </ul>	
				<p><b>32. Reported Speech: Questions (Grammar)</b></p>	<ul style="list-style-type: none"> <li>• To maintain the tone and the mood of the speaker appropriately by using the most suitable verbs.</li> <li>• To familiarize with the rules of time and pronoun.</li> </ul>	<ul style="list-style-type: none"> <li>• Completion of grammar book exercises.</li> </ul>	
				<p><b>33. Clauses &amp; Phrases (Grammar)</b></p>	<ul style="list-style-type: none"> <li>• To know about the three kinds of clauses.</li> <li>• To transform the sentences from simple to complex and vice versa.</li> </ul>	<ul style="list-style-type: none"> <li>• Identify the difference between phrase &amp; clause.</li> <li>• Exercise based on transformation of sentences.</li> </ul>	
		December	22	<p><b>34. Honeydew Ch-8 A Short Monsoon Diary</b></p>	<ul style="list-style-type: none"> <li>• To be observant about the changes in nature and appreciate the beauty.</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Watch the movie 'The Blue Umbrella'</b> based on a story of Ruskin Bond <b>and discuss about it.</b></li> </ul>	
				<p><b>35. On the Grasshopper and Cricket (Poem)</b></p>	<ul style="list-style-type: none"> <li>• To understand the poet's style of writing a sonnet and the rhyme and rhythm of the poem.</li> <li>• To analyse the poet's observation on the variation of beauty of earth during summer and winter.</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Find the central theme and the message of the poem</b></li> <li>• <b>Compare and contrast the use of symbolism used in the poem 'The Ant and the Cricket' &amp; 'On the Grasshopper &amp;</b></li> </ul>	

						<b>the Cricket.'</b>	
				<b>36. Descriptive Paragraph Writing (Event)</b>	<ul style="list-style-type: none"> <li>To provide the reader with detailed account of an event including the time, location and the significance.</li> <li>Enhancement of expression and language enrichment</li> </ul>	<ul style="list-style-type: none"> <li><b>Descriptive paragraph writing- About a joyful event.</b></li> </ul>	
<b>Annual Exam (January to March)</b>  <b>Max M:80 (Weightage 80 m)</b>	<b>January</b>	<b>22</b>	<b>37. Honeydew: Ch 9: The Great Stone Face- I</b>	<ul style="list-style-type: none"> <li>To be familiar with the term 'prophecy' and to relate the belief in prophecy to personal experiences.</li> <li>To develop the reading &amp; comprehension skills.</li> <li>To familiarise with the new words &amp; phrases.</li> </ul>	<ul style="list-style-type: none"> <li>Listing the adjectives used in the chapter and the values learnt in the story.</li> <li>Read about the Old Man Face in New Hampshire, US and the luck it brought to the people living there.</li> </ul>	<b>30% OF TERM 1 AND ENTIRE SYLLABUS OF TERM 2</b>  <b>Term 1:</b> A) Sl no : 22-- The Treasure Within: B) Sl no :7 &8 - The Tsunami & Geography Lesson C) sl no :17 BepinChaudhary 's Lapses of Memory & The	
			<b>38.Honeydew: Ch 10-The Great Stone Face- II</b>	<ul style="list-style-type: none"> <li>To understand that our actions and words should agree with each other.</li> </ul>	<ul style="list-style-type: none"> <li><b>A discussion on 'Spending on space research</b></li> </ul>		

						<b>while the world trails in starvation: justified or not?.</b>	Last Bargain D)Grammar : SI no: 11 Tenses SI no :18 Subject-verb Agreement SI no 24: Reported Speech <b>Writing:</b> SI.no:3. Diary entry
				<b>39. Supl. Rd. L-9 &amp; 10 The Comet-I &amp; II</b>	<ul style="list-style-type: none"> <li>To develop the scientific approach behind any superstition and interpret it logically.</li> </ul>	<ul style="list-style-type: none"> <li><b>Debate on the topic 'Science &amp; superstition never go together'</b></li> </ul>	
<b>10</b>		<b>February</b>	<b>22</b>	<b>Revision work for the Annual Examination</b>			
<b>11</b>		<b>March</b>	<b>23</b>	<b>Annual Exam</b>			

**BIFURCATION OF SYLLABUS (2023-24)****SUBJECT: - HINDI****CLASS - VIII**

TERM 1	ASSESSMENT & Syllabus coverage	MONTH	WORKING DAYS	CHAPTER	SUB TOPICS	LEARNING OBJECTIVES	ACTIVITY
APRIL TO SEPTEMBER	PT-1 Max M: 40 (Weightage 5m)  30% OF TERM 1	April	15	पाठ 1	वसंत ( ध्वनि ) (केवल पढ़ने के लिये) व्याकरण :भाषा एवं उसके भेद रचनात्मक लेखन अनुच्छेद लेखन	<ul style="list-style-type: none"><li>➤ जागरूकता का महत्व</li><li>➤ उत्साह पूर्ण जीवन</li><li>➤ आलस्य के दुष्परिणाम</li></ul> मानव को जीवन के प्रति आशावाद रहने की प्रेरणा	वसंतऋतु पर अनुच्छेद प्रपत्र
		JUNE	15	पाठ 2	लाख की चूड़ियाँ	<ul style="list-style-type: none"><li>➤ ग्रामीण एवं शहरी जीवन में अंतर</li><li>➤ घरेलू उद्योग धंधों की जानकारी</li><li>➤ प्राचीन काल में वस्तु विनिमय द्वारा किए जा रहे व्यापार पद्धति से परिचय कराना</li></ul>	लाख की वस्तुओं का निर्माण भारत के किन किन राज्यों में होता है?सूची बनाइए / ग्रामीण जीवन के विषय पर अपने विचार व्यक्त कीजिए।
				पाठ 3	बस की यात्रा	<ul style="list-style-type: none"><li>➤ साहित्य की व्यंग्य विधा से परिचित होना</li></ul>	यात्रा - वृत्तांत (अपने जीवन की किसी ऐसी अपूर्ण यात्रा जो आपको अभी भी याद आती हो। 100-150 शब्दों में लिखिए)



				<p>अहमद नगर का किला</p> <p>भारत की खोज पत्र लेखन विलोम शब्द व्याकरण</p> <p>अनेक शब्दों के लिए एक शब्द, वाच्य</p>	<ul style="list-style-type: none"> <li>➤ आत्म विश्लेषण कर अपने स्वत्व के प्रति जागरूकता</li> <li>➤ तर्क पूर्ण विचार धारा के साथ भाव सम्प्रेषण तनाव को दूर करने व उससे मुक्ति पाने में सक्षम</li> </ul> <p><i>दूसरों के साथ वार्तालाप तथा प्रतिक्रिया करने की योग्यता।</i></p>	<p>प्रपत्र</p>
			पाठ 4	भगवान के डाकिए	<ul style="list-style-type: none"> <li>➤ प्रकृति के माध्यम से एकता का संदेश</li> <li>➤ पर्यायवाची शब्द</li> </ul>	प्रकृति से संबन्धित कविता अपने शब्दोंमें लिखना
			पाठ 5	चिट्ठियों की अनूठी दुनिया (केवल पढ़ने के लिए )	-	ओपन बुक टेस्ट
	JULY	23	पाठ 6 व्याकरण	<p>दीवानों की हस्ती</p> <p>कारक एवम् उसके भेद</p> <p>रचनात्मक लेखन</p> <p>भारत की खोज</p>	<ul style="list-style-type: none"> <li>➤ स्वतंत्रता के लिए बलिदान देने वालों को नमन</li> <li>➤ देश प्रेम की भावना</li> <li>➤ मानव- जीवन की विभिन्न समस्याओं और संवेदनाओं को व्यक्त करना</li> <li>➤ भावों को कलात्मक रूप से अभिव्यक्त</li> <li>➤ भारत की विविधता में एकता की जानकारी</li> </ul>	<p>किसी एक स्वतंत्रता सैनानी की जीवनी पढ़करअपने विचार कक्षा में साझा करिये ।</p> <p>अपने किसी दूर के रिश्तेदार को अपने राज्य की सुंदरता का बखान करते हुए यहाँ आने का निमंत्रण पत्र</p>

	HALF YEARLY (AUGUST to SEPTEMBER)	AUGUST	24	पाठ 7	<ul style="list-style-type: none"> <li>➤ क्या निराश हुआ जाए</li> </ul>	<ul style="list-style-type: none"> <li>➤ जीवन में मेहनत व ईमानदारी का महत्व</li> <li>➤ सफलता प्राप्त करने के लिए आशा व सकारात्मक सोच</li> </ul>	जीवन में सकारात्मक होना कितना आवश्यक है। इस पर निबंध लिखिए
				पाठ 8	<ul style="list-style-type: none"> <li>➤ यह सबसे कठिन समय नहीं (केवल पढ़ने के लिए)</li> </ul>	<ul style="list-style-type: none"> <li>➤ पठन कौशल का विकास</li> </ul>	
				पाठ 9	<ul style="list-style-type: none"> <li>➤ कबीर की साखियाँ</li> </ul>	<ul style="list-style-type: none"> <li>➤ ईश्वर की सर्व व्यापकता का संदेश</li> <li>➤ सभी धर्मों का सम्मान</li> <li>➤ प्रेम पूर्वक व्यवहार का संदेश</li> </ul>	आज के युग में कबीर कितने प्रासंगिक हैं विषय पर वाद-विवाद।
	50% of Entire syllabus			व्याकरण	<ul style="list-style-type: none"> <li>➤ उपसर्ग एवं प्रत्यय</li> <li>➤ विराम चिन्ह</li> <li>➤ क्रिया विशेषण</li> </ul>	<ul style="list-style-type: none"> <li>➤ शब्द भंडार की अभिवृद्धि</li> </ul>	प्रपत्र
				रचनात्मक लेखन	<ul style="list-style-type: none"> <li>➤ संवाद लेखन</li> <li>➤ सूचना लेखन</li> </ul>	<ul style="list-style-type: none"> <li>➤ क्रम और तर्कसम्मत (अर्थपूर्ण) रूप से विचार व्यक्त करना</li> </ul>	अपने विद्यालय वार्षिकोत्सव के बारे में अन्य छात्रों को सूचित करने हेतु एक सूचना लिखिए



October  To  March	30% OF TERM 2			भारत की खोज	➤ युगों का दौर	<ul style="list-style-type: none"> <li>➤ भारत पर हुए विदेशी हमले</li> <li>➤ मौर्य साम्राज्य की स्थापना</li> <li>➤ गुप्त शासन में राष्ट्रीयता और साम्राज्यवाद</li> </ul>	मौखिक परीक्षा
				व्याकरण	<ul style="list-style-type: none"> <li>➤ समास ( तत्पुरुष समास )</li> <li>➤ वाक्य विचार</li> </ul>	<ul style="list-style-type: none"> <li>➤ शब्द भंडार की अभिवृद्धि</li> </ul>	तालिका निर्माण सूचि निर्माण
		NOVEMBER	22	पाठ 13	➤ जहाँ पहिया है	<ul style="list-style-type: none"> <li>➤ प्रादेशिक विभिन्नता की समस्याओं की जानकारी</li> <li>➤ नारी सशक्तिकरण की उपयोगिता</li> </ul>	पिछड़े इलाकों में नारी की समस्याओं का पता लगाकर उसे सुलझाने के सुझाव लिख सकेंगे ।
				व्याकरण	➤ काल	<ul style="list-style-type: none"> <li>➤ कार्य करने या होने के समय का ज्ञान</li> </ul>	<i>किसी भी पाठ से भिन्न कालों के दस -दस वाक्य ढूँढ कर लिखें</i>
				भारत की खोज	➤ नयी समस्याएँ	<ul style="list-style-type: none"> <li>➤ मुगल साम्राज्य का ज्ञान</li> <li>➤ आशुभाषण देने की कला</li> <li>➤ वचन दक्षता</li> </ul>	आशु भाषण
		DECEMBER	17	पाठ 14	➤ अकबरी लोटा	<ul style="list-style-type: none"> <li>➤ व्यंग्य विधा का परिचय</li> <li>➤ ऐतिहासिक वस्तुओं का महत्त्व</li> <li>➤ अनुभव लेखन</li> <li>➤ रंग मंचयिता</li> <li>➤ निर्भीकता के साथ अपने अनुभव को अभिव्यक्त करना</li> </ul>	कहानी लेखन एंकाकी लेखन अनुभव लेखन

				भारत की खोज	<ul style="list-style-type: none"> <li>➤ अंतिम दौर 1 , 2</li> </ul>	<ul style="list-style-type: none"> <li>➤ 1857 की क्रांति कर मूल कारण</li> <li>➤ भाषण दक्षता</li> <li>➤ वाक निपुणता</li> </ul>	समाचार प्रस्तुति
				व्याकरण	<ul style="list-style-type: none"> <li>➤ पद परिचय</li> </ul>	<ul style="list-style-type: none"> <li>➤ व्याकरण के सभी घटकों की पहचान</li> </ul>	प्रपत्र
	JANUARY	22	पाठ 15	<ul style="list-style-type: none"> <li>➤ सूर के पद</li> </ul>	<ul style="list-style-type: none"> <li>➤ हिंदी साहित्य में कृष्ण भक्ति धारा के कवियों के प्रति जानकारी</li> <li>➤ जीवन को सरस बनाने की रोचकता को समझना</li> <li>➤ अभिव्यक्ति कला में निपुण</li> <li>➤ गायन कला</li> </ul>	कृष्ण के विभिन्न नामों की सार्थकता को देखते हुए अपने नाम का अर्थ बताइए	
			पाठ 16	<ul style="list-style-type: none"> <li>➤ पानी की कहानी</li> </ul>	<ul style="list-style-type: none"> <li>➤ पर्यावरण सजगता</li> <li>➤ प्रकृति के सभी तत्वों की जानकारी</li> <li>➤ जल की महता</li> </ul>	जल ही जीवन है इस विषय पर अनुच्छेद लिखिए / पोस्टर बनाएं	
			भारत की खोज	<ul style="list-style-type: none"> <li>➤ तनाव</li> </ul>	<ul style="list-style-type: none"> <li>➤ भारत छोड़ो आन्दोलन के कारणों की जानकारी</li> <li>➤ तनाव को दूर करने और उस से मुक्ति पाने में सक्षम हो सकेंगे ।</li> </ul>	तनाव से मुक्ति हेतु सुझाव देते हुए मित्र को पत्र लिखिए ।	

<b>ANNUAL EXAMINATION</b> <b>Max M: 80 (Weightage 80 m)</b>  30 % of Term 1 + Entire syllabus of Term 2	<b>FEBRUARY</b>	<b>22</b>	पाठ 17	➤ बाज और साँप	➤ स्वाभिमान , स्वतंत्रता ,स्फूर्ति जैसे गुणों का विकास ➤ जीवन में सकारात्मकता आवश्यक है ➤ पर्यावरण व अन्य जीवों के प्रति सजगता	अपने व्यक्तित्व के बारे में एक आत्मचिंतन लिखें
	<b>MARCH</b>	<b>23</b>	पाठ 18	➤ टोपी (केवल पढ़ने के लिए )		
					<b>पुनरावृत्ति / ANNUAL EXAM</b>	<b>ओपन बुक टेस्ट</b>

- कक्षा VIII की पाठ्यपुस्तकों में पुनर्संयोजित पाठ्य सामग्री की सूची ( AS PER N. C. E. R. T. )
- 846 - वसंत भाग-3 अध्याय का नाम हटाए गए विषय या अध्याय- (इन पाठों का प्रयोग केवल क्रियाकलाप के लिए ही किया जायेगा , इनमें से परीक्षा में प्रश्न नहीं पूछे जायेंगे )
- अध्याय 1 – ध्वनि
- अध्याय 5 – चिट्ठियों की अनठी
- अध्याय 10 – कामचोर
- अध्याय 11 – जब सिनेमा ने बोलना सीखा
- अध्याय 18 – टोपी



**BIFURCATION OF SYLLABUS (2023-24)****SUBJECT: - SANSKRIT CLASS: - VIII**TEXT BOOK – NCERT (RUCHIRA – 3, 8<sup>th</sup> Std)

TERM 1	ASSESSMENT	MONTH	WORKING DAYS	CHAPTER	SUB TOPICS	LEARNING OBJECTIVES	ACTIVITY	Syllabus Coverage
April To September	Periodic Test 1 (May) Max.M- 40	April	21	1.सुभाषिता नि	<ul style="list-style-type: none"><li>➤ “सुभाषितम्” इति पदस्य अर्थः।</li><li>➤ नीतिशतकम्, मनुस्मृतिः, पञ्चतन्त्रम् इत्यादीनां लघुग्रन्थानां परिचयः।</li></ul>	<ul style="list-style-type: none"><li>➤ एतस्मात् पाठात् महापुरुषाणां प्रकृतिः, साधुपुरुषाणां वाणिः, साहित्य-संगीत-कलादीनां महत्ता इत्यादि विषयाः ज्ञायन्ते।</li><li>➤ विविधनीतिग्रन्थानां परिचयः भवति।</li><li>➤ श्लोकानां पठनेन छात्राणां मानसिकविकासः भवति।</li><li>➤ छात्राः नूतनशब्दानां ज्ञानं सम्पादयन्ति।</li><li>➤ छात्राः सुभाषिते प्रयुक्तानां विविधानां क्रियापदानां ज्ञानं सम्पादयन्ति।</li></ul>	<ul style="list-style-type: none"><li>१)सुभाषितानां सस्वरगायनम्।</li><li>२)श्लोके प्रयुक्तानां नूतनक्रियापदानाम् अभ्यासः</li><li>३)श्लोकानां भावार्थं हिन्दीभाषया लिखत।</li></ul>	30% of Entire syllabus
					<ul style="list-style-type: none"><li>व्याकरणम् –</li><li>➤ वर्णविचारः</li><li>➤ सन्धिः</li></ul>	<ul style="list-style-type: none"><li>➤ वर्णज्ञानं प्राप्नुवन्ति।</li><li>➤ सन्धिविच्छेदं कर्तुं शक्नुवन्ति।</li><li>➤ सन्धि-संयोजनं कर्तुं शक्नुवन्ति।</li></ul>		
		MAY	10	2. बिलस्य वाणी न कदापि मे श्रुता	<ul style="list-style-type: none"><li>➤ पञ्चतन्त्रग्रन्थस्य सामान्यः परिचयः</li><li>➤ व्याकरणम् –</li><li>➤ संज्ञा-सर्वनाम - विशेषण - क्रियापदानां</li></ul>	<ul style="list-style-type: none"><li>➤ कथासाहित्यानां सामान्यज्ञानम्।</li><li>➤ संस्कृतकथानां वैशिष्ट्यम्।</li><li>➤ कथायाः नीतिः – अनागतं यः कुरुते स शोभते।</li><li>➤ संज्ञा-सर्वनाम-विशेषण-क्रियापदानां ज्ञानम्।</li><li>➤ अव्ययपदानां परिचयः।</li><li>➤ वाक्यनिर्माण क्षमता।</li></ul>	<ul style="list-style-type: none"><li>१)अभ्यासे विद्यमानानां प्रश्नानां कृते उत्तरलेखनम्।</li><li>२)अव्ययपदैः कथापूरणम्।</li></ul>	
July	23	3. डिजीभारतम्	<ul style="list-style-type: none"><li>➤ परिचयः, अव्ययानि</li><li>➤ चतुर्थी विभक्तिः</li></ul>	<ul style="list-style-type: none"><li>➤ डिजीटल शब्दानां संस्कृतनामानि ज्ञास्यन्ति।</li><li>➤ डिजीटल इण्डिया इत्यस्य आधुनिकयुगे प्रस्तुताम् अवगच्छन्ति।</li></ul>	<ul style="list-style-type: none"><li>१)चतुर्थीविभक्तिं प्रयुज्य पञ्चवाक्यानि</li></ul>			



			<ul style="list-style-type: none"> <li>➤ तुमुन् प्रत्ययः</li> <li>➤ व्याकरणम् –</li> <li>➤ अस्मद् शब्दः</li> <li>➤ खाद् धातुः (५ लकारेषु)</li> </ul>	<ul style="list-style-type: none"> <li>➤ अस्मदशब्दरूपैः वाक्य निर्माणक्षमतां प्राप्नुवन्ति।</li> <li>➤ खाद् धातुरूपाणां ज्ञानम् प्राप्नुवन्ति।</li> <li>➤ लघुवाक्यनिर्माणं कर्तुं समर्थाः भवन्ति।</li> <li>➤ तुमुन् प्रत्ययान्तशब्दानां ज्ञानम्।</li> </ul>	<p>लिखत।</p> <p>२) तुमुन् प्रत्ययान्त रूपाणि लिखत।</p> <p>(Page.no 19)</p>
			<p>4. सदैव पुरतो निधेहि चरणम्</p> <p>व्याकरणम् –</p> <ul style="list-style-type: none"> <li>• लोट् लकारः</li> <li>• विधि लिङ् लकारः</li> <li>• अव्ययपदानि</li> </ul>	<ul style="list-style-type: none"> <li>➤ गीतस्य सस्वरगायनम्।</li> <li>➤ अग्रिमज्विनाय प्रेरणादानम्।</li> <li>➤ राष्ट्रवादी कवेः परिचयः।</li> <li>➤ लोट् लकारप्रयोगज्ञानम्।</li> <li>➤ अव्ययपदैः वाक्यनिर्माण कौशलम्।</li> </ul>	<p>१) पाठे दत्तानाम् अभ्यासानां लेखनम्।</p> <p>२) अव्ययपदैः वाक्यनिर्माणम् (पुरतः, पृष्ठतः, परितः)</p>
	MAY 23 AUGUST		<p>5. कण्टकेनैव कण्टकम्</p> <p>व्याकरणम् –</p> <ul style="list-style-type: none"> <li>➤ लङ् लकारः</li> <li>➤ क्तवतुप्रत्ययान्तरूपाणि</li> <li>➤ ऋकारान्तशब्दाः</li> </ul> <p>➤ भिन्नक्षेत्रेषु सफलतां प्राप्तानां स्त्रीणां विवरणम्।</p>	<ul style="list-style-type: none"> <li>➤ लोककथानां वैशिष्ट्यं तासां महत्त्वं ज्ञास्यन्ति।</li> <li>➤ संस्कृतकथासु अभिरुचिं दर्शयन्ति।</li> <li>➤ लङ् लकाररूपाणि ज्ञास्यन्ति।</li> <li>➤ भूतकाले क्तवतुप्रत्ययप्रयोगः कथं क्रीयते इति ज्ञायते।</li> <li>➤ क्तवतुप्रत्ययः-लङ् लकारः अनयोः भेदः अवगम्यते।</li> <li>➤ ऋकारान्तशब्दरूपाणां ज्ञानम्।</li> <li>➤ संवादात्मकपाठेषु अभिरुचिः।</li> <li>➤ सरल-सम्भाषणात्मकसंस्कृतस्य उपस्थापनम्।</li> </ul>	<p>१) लघुकथाकथन स्पर्धा आयोजनम्</p> <p>२) अभिनयमाध्यमेन कथायाः निरूपणम्।</p> <p>३) लङ् लकारस्य- क्तवतुप्रत्ययस्य च अभ्यासः।</p> <p>१) कक्षायां लघुसम्भाषण प्रदर्शनम्।</p>



Half – Yearly (April – September)	SEPTEMB ER	22	6. गृहं शून्यं सुतां विना	<p>व्याकरणम् –</p> <ul style="list-style-type: none"> <li>➤ तत्सम- तद्भववर्षाणि</li> <li>➤ तृतीयाविभक्तिः</li> <li>➤ तृतीया- उपपदविभक्तिः च</li> </ul> <p>(सह, विना, साकम्)</p>	<ul style="list-style-type: none"> <li>➤ तद्भववर्षाणां तत्समवर्षाणि लेखितुं समर्थाः भवन्ति।</li> <li>➤ तृतीयाविभक्तिः-उपपदविभक्ति प्रयोगः।</li> <li>➤ उपपदविभक्तिः-कारकविभक्तेः भेदस्य स्पष्टता।</li> <li>➤ सरलसंस्कृतवाक्यानां लेखने सामर्थ्यम्।</li> </ul>	<p>२) अकारान्त- इकारान्त- उकारान्तादि शब्दानां तृतीयाविभक्तौ अभ्यासः</p> <p>३) पाठे दत्तानाम् अभ्यासानां लेखनम्।</p>
			7. भारतजनताऽह म्	<p>➤ आधुनिकसंस्कृतकवी नां परिचयः।</p> <p>व्याकरणम् –</p> <ul style="list-style-type: none"> <li>➤ समानार्थकपदान्।</li> <li>➤ विशेषण-विशेष्यम्।</li> </ul>	<ul style="list-style-type: none"> <li>➤ संस्कृतसाहित्ये आधुनिककवीनां महत्त्वं ज्ञास्यन्ति।</li> <li>➤ भारतीयानां वैशिष्ट्यम् ज्ञायते।</li> <li>➤ अनेन भारतीयधरोहराणां परिचयः भवति।</li> <li>➤ समानार्थकपदं ज्ञास्यन्ति।</li> <li>➤ विशेषण-विशेष्यपदानि ज्ञास्यन्ति।</li> <li>➤ शब्दरूपाणां-धातुरूपाणां च परिचयः।</li> </ul>	<p>१) आधुनिकसंस्कृतकवीनाम् आवलिं कुरुत।</p> <p>२) पाठे विद्यमानाभ्यासस्य लेखनम्।</p>



				<p><b>8. संसारसागरस्य नायकाः</b></p> <p>➤ भारतीयानां कुशलतायाः परिचयः।</p> <p>व्याकरणम्-</p> <p>➤ क्त्वा प्रत्ययः।</p> <p>➤ ल्यप् प्रत्ययः।</p> <p>➤ कारकविभक्तिः।</p> <p>➤ द्वितीया-तृतीया-चतुर्थी उपपदविभक्तिः</p>	<p>➤ क्षेत्रस्य पारंपरिकज्ञानम्, कुशलतायाः विषये अनुभूतिः च।</p> <p>➤ क्त्वाप्रत्ययज्ञानम्।</p> <p>➤ ल्यप्-प्रत्यय ज्ञानम्।</p> <p>➤ उपपदविभक्तेः ज्ञानम्।</p> <p>➤ द्वितीया-तृतीया-चतुर्थी उपपदविभक्तेः नियमान् ज्ञास्यन्ति।</p> <p>➤ कारकविभक्तेः-उपपदविभक्तेः भेदस्य अवगमनम्।</p>	<p>१) क्त्वाप्रत्ययं योजयित्वा पदनिर्माणं कुरुत।</p> <p>२) ल्यप्प्रत्ययं योजयित्वा पदनिर्माणं कुरुत।</p> <p>३) उपपदविभक्त्यैः वाक्यनिर्माणं कुरुत।</p>	
<p>TERM 2</p> <p>October - March</p>	<p>Periodic Test 2 /</p> <p>(October-December)</p>	<p>October</p>	<p>20</p>	<p><b>10. नीति-नवनीतम्</b></p> <p>मनुस्मृतेः लघुपरिचयः।</p> <p>व्याकरणम् -</p> <p>➤ वाक्यनिर्माणम्।</p> <p>➤ प्रश्ननिर्माणस्य अभ्यासः।</p> <p>➤ अव्ययप्रयोगः।</p>	<p>➤ मनुस्मृतिग्रन्थस्य परिचयः भवति।</p> <p>➤ श्लोकानां पठनेन छात्राणां मानसिकविकासः भवति।</p> <p>➤ छात्राः नूतनशब्दानां ज्ञानं सम्पादयन्ति।</p> <p>➤ छात्राः सुभाषिते प्रयुक्तानां विविधानां क्रियापदानां ज्ञानं सम्पादयन्ति।</p> <p>➤ वाक्यनिर्माणस्य अभ्यासः भवति।</p> <p>➤ प्रश्ननिर्माणे कुशलतां सम्पादयन्ति।</p>	<p>१) पाठे दत्तानाम् अभ्यासानां लेखनम्।</p> <p>२) सप्तकाराणाम् अभ्यासः</p>	<p>35% OF TERM 2 SYLLABUS</p>
		<p>November</p>		<p><b>11. सावित्रीबाई</b></p> <p>➤ मौलिकाधिकाराणां परिचयः</p> <p>➤ प्रसिद्धभारतीयमहिलानां परिचयः।</p>	<p>➤ शिक्षायाः महत्त्वविवरणम्।</p> <p>➤ मौलिकाधिकाराणां विषये ज्ञानम्।</p> <p>➤ शैक्षिकक्षेत्रे महिलानां पात्रविषये ज्ञानम्।</p>	<p>१) भिन्न-भिन्न वाक्यानि दत्वा लकारपरिवर्तनाभ्यासः।</p>	



		22	<p>फुले</p> <p>व्याकरणम् –</p> <ul style="list-style-type: none"> <li>➤ शब्दरूपाणि</li> <li>➤ धातुरूपाणि</li> <li>➤ लकारपरिवर्तनाभ्यासः</li> </ul>	<ul style="list-style-type: none"> <li>➤ नूतनशब्दानां परिचयः</li> <li>➤ शब्दानां सप्तविभक्तिषु अध्ययनं भविष्यति।</li> <li>➤ नूतनधातूनां पञ्चलकारेषु अध्ययनं भविष्यति।</li> <li>➤ पञ्चलकारेषु लकारपरिवर्तनाभ्यासः भवति।</li> </ul>	<p>२) वाक्यरचनाभ्यासः</p>
			<p>12. कः रक्षति कः रक्षितः</p> <p>पर्यावरणस्य महत्त्वम्।</p> <p>स्वच्छभारत-अभियानस्य महत्त्वम्</p> <p>व्याकरणम् –</p> <ul style="list-style-type: none"> <li>➤ सन्धिः</li> <li>➤ प्रश्ननिर्माणम्।</li> </ul>	<ul style="list-style-type: none"> <li>➤ पर्यावरणस्य महत्त्वं ज्ञास्यन्ति।</li> <li>➤ स्वच्छभारताभियानस्य कारणात् भारते कानि परिवर्तनानि अभवन् इति ज्ञास्यन्ति।</li> <li>➤ Fly-over, Multi-stored building इत्यादीनां शब्दानां संस्कृतशब्दं ज्ञास्यन्ति।</li> <li>➤ सन्धिविच्छेदं कर्तुं क्षमतां प्राप्नुवन्ति।</li> <li>➤ प्रश्ननिर्माणस्य अभ्यासं कुर्वन्ति।</li> </ul>	<p>१) प्लास्टिकस्य विविधाः पक्षाः विचारणीयाः।</p> <p>२) पाठेप्रदतानां प्रश्नानाम् अभ्यासः।</p>
December		24	<p>13. क्षितौ राजते भारतस्वर्णभूमिः</p> <p>भारतस्य सामर्थ्यशक्तेः वर्णनम्।</p> <p>व्याकरणम्-</p> <ul style="list-style-type: none"> <li>➤ चित्रवर्णनम्</li> <li>➤ शब्दरूपाणि-धातुरूपाणि च</li> </ul>	<ul style="list-style-type: none"> <li>➤ कवितायाः सारांशं ज्ञास्यन्ति।</li> <li>➤ भारतस्य प्राचीनपरम्परायाः, संस्कृतेः, मिसाईल् क्षमतायाः, परमाणुः शक्तेः विशेषतां ज्ञास्यन्ति।</li> <li>➤ चित्रं दृष्ट्वा ५ वाक्यानि लेखितुं समर्थाः भवन्ति।</li> <li>➤ लघु- लघु संस्कृतवाक्यानां लेखनसामर्थ्यम्।</li> <li>➤ शब्दरूपाणाम् अभ्यासः।</li> <li>➤ धातुरूपाणाम् अभ्यासः।</li> </ul>	<p>१) चित्रं दृष्ट्वा संस्कृतवाक्यानि लिखत।</p>
January			<p>14. आर्यभटः</p> <p>भारतस्य प्राचीन वैज्ञानिकानां सामान्य परिचयः।</p> <p>प्राचीनगणितशास्त्र</p>	<p>प्राचीन-ज्ञान-विज्ञानपरम्परायाः परिचयं प्राप्नुवन्ति।</p> <p>भारतस्य प्राचीन वैज्ञानिकानां सामान्य परिचयं प्राप्नुवन्ति।</p>	<p>१) प्रसिद्ध भारतीय पुरुषाणाम्</p>

30% of  
TERM 1  
and  
Entire  
Syllabus  
of Term  
2



Annual Exam (October - March)  Max.M: 80		13		स्य परिचयः। व्याकरणम् – ➤ विपरितार्थकपदानि ➤ समानार्थकपदानि	चिकित्साशास्त्रे चरकसुश्रुतयोः योगदानस्य परिचयं प्राप्नुवन्ति। ➤ विपरितार्थकपदानि ज्ञास्यन्ति। ➤ समानार्थकपदानि ज्ञास्यन्ति।	आवलं कुरुत।
			15. प्रहेलिकाः	➤ प्रहेलिकायाः अर्थः ➤ शब्दरूपाणि ➤ धातुरूपाणि च	➤ प्रहेलिकायाः विशेषतां ज्ञास्यन्ति। ➤ शब्दरूपाणाम् अभ्यासः। ➤ धातुरूपाणाम् अभ्यासः।	१) पाठे प्रदत्तानाम् अभ्यासानां लेखनम्
	February	23	Revision (पुनरावर्तनम्)			
March	20	Annual Exam and Results (वार्षिकी परीक्षा एवं परिणाम)				

Note - \* नवमः पाठः – सप्तभगिन्यः – अस्मिन् पाठे केचन दोषाः सन्ति इति कारणेन अयं पाठः न स्वीकृतः।

**BIFURCATION OF SYLLABUS****SUBJECT : SCIENCE****CLASS : CLASS VIII****TEXT BOOK - NCERT**

TERM-1	ASSESSMENT	MONTH	CHAPTER & Sub Topics	LEARNING OBJECTIVES	ACTIVITIES	SYLLABUS COVERAGE
APRIL TO SEPTEMBER		APRIL	<b>Ch 1 - Crop Production and Management</b> <ul style="list-style-type: none"><li>• Agricultural Practices</li><li>• Basic Practices of crop production:<ol style="list-style-type: none"><li>i. Preparation of soil</li><li>ii. Sowing</li><li>iii. Adding Manure and Fertilisers</li><li>iv. Irrigation</li><li>v. Protection</li></ol></li></ul>	<ol style="list-style-type: none"><li>1. Classify the major crops based on the seasons they are sown in the field to explain the months Kharif and Rabi crops are cultivated.</li><li>2. Sequence the tasks involved in cultivating the crop to list major steps of agricultural practices.</li><li>3. Compare the advantages of agricultural implements used in agricultural field</li></ol>	<ul style="list-style-type: none"><li>•Preparing a table or a chart on different irrigation practices and sources of water in different parts of India.</li><li>• Preparing herbarium specimens of some crop plants and seeds</li><li>• Activity to separate healthy seeds for sowing.</li><li>•Activity to observe</li></ul>	

from weeds  
vi. Harvesting  
vii. Storage  
• Food From  
Animals

to justify the variety of agricultural practices.  
4. Distinguish between manure and fertilisers to identify ways in which nutrients in soil is replenished. 5. Evaluate how weeds adversely affects the growth of plants and Describes the process of crop rotation to explain ways in which nutrients in soil is replenished. 6. Compare and analyse the traditional and modern methods of irrigation. 7. Elaborate the process of harvesting and Storage of grains. 8. Identify commonly known food items based their sources to define animal husbandry

the effect of manure and fertiliser on the growth of seedlings.  
• Model on Green revolution or Modern Irrigation.  
• Visit a farm, nursery or a garden nearby to gather information on Agricultural Practices.  
• Enrichment Exercises • Ncert Exercises  
• Worksheets.

**Ch 2 -  
Microorganisms : Friend  
and Foe**

• Microorganisms  
• Where do

1. Categorize and describe the comparative features of types of

• To observe, sketch and study the various microorganisms

<p>Microorganisms Live? •  Microorganisms and Us  • Harmful Microorganisms  • Food Preservation  • Nitrogen Fixation  • Nitrogen cycle</p>	<p>microorganisms.  2. Elucidate the reason for increasing volume when yeast is added to dough in baking industry to explain fermentation.  3. Define Pathogens and Explain the role of antibiotics and vaccinations in fighting with diseases caused by microbes.  4. Describe how mosquitoes spread malaria and dengue to explain the role of carriers in spreading communicable disease.  5. List examples of diseases in humans, plants and animals caused by microorganisms in order to explain the harmful effects of microorganisms.  6. List various methods of preserving food in order to demonstrate the restriction of growth of microorganisms.  7. Illustrate the process of fixing the nitrogen back in soil to explain</p>	<p>(bacteria, algae, fungi, and protozoa) via permanent slides.  • Activity to study the fermentation of sugar by yeast cells.  • Activity to show the presence of microorganisms in moist soil.  • Experiment to show fermentation of dough by yeast cells.  • Role play: "Microbes and Man"  • Clay model making of microbes.  • To create a microbial zoo/museum.  • To observe the growth of Rhizopus.  • Worksheets. • Ncert + Enrichment Exercises.</p>
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			<p>the role of microorganisms in increasing soil fertility and to balance the concentration of nitrogen back in atmosphere.</p>	
	<p>May</p>	<p><b>Ch 3 - Synthetic Fibres and Plastics (Rationalized)</b></p> <ul style="list-style-type: none"> <li>• What are Synthetic Fibres</li> <li>• Types of Synthetic Fibres</li> <li>• Characteristics of Synthetic Fibres</li> <li>• Plastics</li> <li>• Plastics as Materials of Choice</li> <li>• Plastics and the Environment.</li> </ul>	<ol style="list-style-type: none"> <li>1. Enlist different types of synthetic fibres and their characteristics in order to explain their specific uses.</li> <li>2. Distinguish between Synthetic and Natural fibres based on their properties.</li> <li>3. List characteristics of plastics ability to bend to differentiate between thermoplastics and thermosetting plastics.</li> <li>4. Differentiate between plastics based on their ability to decompose in order to explain why plastics are a threat to the environment.</li> </ol>	<ul style="list-style-type: none"> <li>• Art of collecting, designing and pasting different pieces of fabrics in an activity book.</li> <li>• Activity to compare the tensile strength of different fibres of same length and same thickness.</li> <li>• Activity to compare the water absorbing capacity of natural fibre and synthetic fibre.</li> <li>• Article writing on green fabrics OR Poster Making on 5R Principle / "Say NO to plastic with slogan</li> <li>• Model Making - Best Out Of Waste.</li> <li>• Enrichment Exercises • Ncert Exercises.</li> <li>• Worksheets.</li> </ul>



**Ch 4 -  
Metals and  
Non-  
metals(Rati  
onalized)**

- Physical Properties of Metals and Non-Metals
- Chemical Properties of Metals and Non-Metals
- Uses of Metals and Non-Metals

1. Categorize the commonly known materials as Metals and Non-Metals in order to explain their physical properties.

2. Differentiate between the commonly known materials based on their ability to be bent and formed into sheets, be drawn into wires, ability to produce ringing sound and to shine, ability to conduct electricity and heat in order to define and analyse the various properties of metal and non-metals.

3. Apply the concept of reactivity of a metal to predict if a given metal will displace other metal or not in displacement reaction.

4. Predict the utility of a given material for a specific task to reinforce the physical and chemical properties of metals and non-metals

•To observe the Physical and Chemical Properties of Metals and Non-Metals.

•Activity to show that metals are malleable and non-metals are brittle.

• Activity to show that metals are good conductors of electricity while non-metals are poor conductors of electricity.

• Activity to show that metal reacts with oxygen to form basic oxides.

• Activity to study chemical reactions of metals and non-metals with dilute acids and bases.

• Activity to study displacement reactions of Zn, Fe and Cu metals.

• Working model making of simple

	<p>PT-1  <b>Max M: 40</b>  <b>(Weightage 5m)</b></p>	<p>JULY</p>	<p><b>Ch 5 - Coal and Petroleum</b></p> <ul style="list-style-type: none"> <li>• Coal</li> <li>• Petroleum</li> <li>• Natural Gas</li> <li>• Some Natural resources are Limited</li> </ul>	<p>1. Classify natural resources based on their ability to replenish in order to distinguish between inexhaustible and exhaustible natural resources.</p> <p>2. Describe the process of formation of coal to explain why coal is an exhaustible natural</p>	<p>electrical circuit to study metal conductivity.</p> <ul style="list-style-type: none"> <li>• Visit a blacksmith and observe how metals are moulded.</li> <li>• Locate the Indian states where mining of minerals are done on the physical map of India.</li> <li>• Worksheets • Ncert + Enrichment Exercises</li> </ul>	<hr/> <p>30% of Term1</p>
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			<p>resources.</p> <p>3. Classify different constituents of petroleum according to their use in daily life in order to derive various products of petroleum.</p> <p>4. Infer why gas, oil and water are found in particular sequence in location where petroleum is found in order to explain the difference in their densities .</p> <p>5. List the useful products after processing coal to explain that natural resources can be used to obtain useful products other than fuel.</p>	<p>resources.</p> <p>3. Classify different constituents of petroleum according to their use in daily life in order to derive various products of petroleum.</p> <p>4. Infer why gas, oil and water are found in particular sequence in location where petroleum is found in order to explain the difference in their densities .</p> <p>5. List the useful products after processing coal to explain that natural resources can be used to obtain useful products other than fuel.</p>	<ul style="list-style-type: none"> <li>• To mark the places in the outline map of India where coal, petroleum and natural gases are found.</li> <li>• To find out the locations of major thermal power plants in India.</li> <li>• Worksheets.</li> <li>• Ncert Exercises.</li> <li>• Enrichment Exercises.</li> </ul>	
			<p><b>Ch 6 - Combustion and Flame</b></p> <ul style="list-style-type: none"> <li>• What is Combustion</li> <li>• How Do We Control Fire?</li> </ul>	<p>1. Explain the process of combustion in order to describe the role of fuel and oxygen in the process as necessary conditions for</p>	<ul style="list-style-type: none"> <li>• Experiment to show that oxygen (air) is necessary for combustion.</li> <li>• Activity to find whether a given</li> </ul>	

- Types Of Combustion
- Flame
- Structure Of A Flame
- What is a Fuel
- Fuel Efficiency

combustion to take place.

2. Compile and list the commonly known inflammable substances to explain that certain substance catch fire.

3. Define ignition temperature and differentiate between types of combustion to assess rapid, spontaneous combustions and explosion.

4. List the conditions necessary for producing fire to discover how combustible materials can be prevented from catching the fire.

5. Explain the different parts of flame in order to explain why goldsmiths blow the outer zone a flame to melt gold and silver.

6. Compare the calorific value of commonly used fuel to examine fuel efficiency.

7. List harmful by-products of burning fuel to be aware of its harmful effects on

substance is combustible or non-combustible.

- Activity to show that a combustible substance will not catch fire if its temperature is lower than its ignition temperature.
- Activity to show that the outer zone is the hottest part of candle flame.
- Activity to show the presence of unburnt carbon particles in the middle zone of candle flame.
- Activity to show the presence of wax vapours in the dark inner zone of a candle flame.
- Worksheets.
- Ncert Exercises.
- Enrichment Exercises.

			individuals and environment.	
		<p><b>Ch 7 - Conservation of Plants and Animals</b></p> <ul style="list-style-type: none"> <li>• Deforestation and Its Causes</li> <li>• Consequences Of Deforestation</li> <li>• Conservation Of Forest and Wildlife</li> <li>• Biosphere Reserve</li> <li>• Flora and Fauna</li> <li>• Endemic Species</li> <li>• Wildlife Sanctuary</li> <li>• National Park</li> <li>• Red Data Book</li> <li>• Migration</li> <li>• Recycling Of Paper</li> <li>• Reforestation</li> </ul>	<p>1. List causes of deforestation to reflect on its rampant existence despite forest being essential to life.</p> <p>2. Describe the process of desertification and droughts to elaborate the consequence of deforestation.</p> <p>3. List the flora and fauna of various regions to describe the terms endemic, endangered and extinct species.</p> <p>4. Interpret the importance of Red Data Book to explain why keeping a track of endangered species is important.</p> <p>5. List some famous biosphere, wildlife sanctuaries and national parks to describe different mechanisms and measures taken by government to protect and conserve forest and wildlife.</p> <p>6. Explain recycling and reforestation to describe ways to reduce</p>	<ul style="list-style-type: none"> <li>• Activity to identify and classify the animals and plants in the following categories: (a) Endangered animals and plants. (b) Endemic species. (c) Threatened but not endangered. (d) Extinct Species and to paste pictures.</li> <li>• Activity to write a report on different organisations involved in conservation of wildlife.</li> <li>• Activity to locate the Wildlife Sanctuaries, National parks and Biosphere reserves of one's state on an outline map of India.</li> <li>• ICT Project : To prepare a power point presentation on the distinct features of Endemic,</li> </ul>
	AUGUST			

		<p>n</p> <p><b>Ch 8 - Cell: structure and Functions</b> (Rationalized)</p> <ul style="list-style-type: none"> <li>• Discovery Of Cell</li> <li>• The Cell</li> <li>• Organisms Show Variety In Cell Number, Shape and Size</li> <li>• Cell Structure and Function</li> <li>• Parts of the Cell</li> <li>• Comparison</li> </ul>	<p>deforestation.</p> <ol style="list-style-type: none"> <li>1. Classify animals based on their cell number, shape and size in order to describe the unicellular and multicellular animals.</li> <li>2. List and distinguish between the different parts and functions of a typical cell in order to appreciate the unit structure in an organism.</li> <li>3. Distinguish between plant and animal cells to explain the functions of cell organelles.</li> </ol>	<p>Endangered and Extinct species of flora and fauna of one's geographical area.</p> <ul style="list-style-type: none"> <li>• Enrichment Exercises.</li> <li>• Ncert Exercises.</li> <li>• Worksheets.</li> </ul> <ul style="list-style-type: none"> <li>• Activity to prepare a temporary stained mount of an onion peel and to study its structure under a microscope.</li> <li>• Activity to prepare a temporary stained mount of a human cheek cells and to study its structure under a microscope.</li> <li>• Model making of Plant and Animal cells Or Shapes of human cells.</li> <li>• Worksheets.</li> </ul>	
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Of Plant and Animal Cells.

**Ch 9 -  
Reproduction in Animals**

- Modes of Reproduction
- Sexual Reproduction
- Asexual Reproduction

1. Differentiate between asexual and sexual reproduction in order to list two modes of reproduction.
2. Differentiate between sex cells corresponding to parents in order to explain male and female gamete.
3. Differentiate between Internal and External fertilisation in order to describe two modes of fertilisation in animals
4. Classify animals based on their ability to give birth or lay eggs to distinguish between Viviparous and Oviparous animals .
5. Describe process of fertilization to explain Zygote, embryo, and fetus formation to understand how an individual is formed inside mother's womb.
6. Describe the life cycle

Ncert Exercises.

- Enrichment Exercises.

- To Study the Sexual Reproduction in Human beings using Videos and Models
- Activity to study asexual reproduction in Hydra (budding) and Amoeba (binary fission) using permanent Slides .
- Model making of Human Male and Female Reproductive Systems.
- Worksheets. • Ncert Exercises.
- Enrichment Exercises.

				of frog from eggs to adult frogs in order to explain metamorphosis. 7. Describe the process of reproduction in hydra and amoeba to explain the process of asexual reproduction		
<b>TERM-2</b>						30 + 20 = 50% Of Annual Syllabus
		SEPTEMBER	<b>REVISION</b>			
OCTOBER TO MARCH	PT2 Max M: 80 (Weightage 80 m)	OCTOBER	<b>Ch 10 - Reaching the Age of Adolescence</b> <ul style="list-style-type: none"> <li>Adolescence and Puberty</li> <li>Changes at Puberty</li> <li>Secondary Sexual Characters</li> <li>Role Of Hormones in Initiating</li> </ul>	<ol style="list-style-type: none"> <li>Define adolescence and adolescent age in order to explain changes at puberty.</li> <li>Enumerate different variations that take place in body at puberty to explain the effect of adolescence on changing human body.</li> <li>Explain the effects and functions of hormones in the development of secondary sexual</li> </ol>	<ul style="list-style-type: none"> <li>Activity to Compare the average rate of growth in the heights of boys and girls with respect to age and predict the height of a boy/girl at the end of growth period and to Plot the data on a graph sheet</li> <li>Group discussion on "Natural requirements</li> </ul>	



Reproductive Function

- Reproductive Phase Of Life in Humans
- How is the Sex of the Baby Determined ?
- Hormones Other than Sex Hormones
- Role Of Hormones in Completing the Life History Of Insects and Frogs
- Reproductive Health

**Ch 11 - Force and Pressure**

- Force A Push or a Pull

characteristics to illustrate growth during puberty.

4. Describe mensuration, menarche, and menopause to explain the reproductive phase of life in humans.

5. Illustrate the procedure for determining the sex of a baby to establish that sex of child is decided by chromosome from male gamete.

6. Elucidate the need for a balanced diet in order to explain the nutritional needs of adolescents.

7. Identify the harmful consequences of taking drugs to explain why drugs are not a solution to confused and insecure feeling during adolescence

1. Classify common actions involving motion of objects as push or

during Adolescence".

- Art prints or collage making on Reproductive Health.
- Worksheets.
- Ncert Exercises.
- Enrichment Exercises.

- Activity to demonstrate that frictional force is a

- Forces are due to an Interaction
- Exploring Force
- A Force can Change the State of Motion
- Force can Change the Shape of an Object
- Contact Forces
- Non-Contact Forces
- Pressure
- Pressure Exerted by Liquids and Gases
- Atmospheric Pressure.

pull to define the term force.

2. Cite examples where force is being applied to explain that two objects must interact for force to come into play.

3. Analyse motion of an object when force is applied in same and opposite direction to infer that force in same direction add while forces in opposite directions subtract.

4. Illustrate with examples from daily life where an action causes change in movement or shape with and without contact between two objects in order to define contact and non-contact forces.

5. Predict the motion and changes when force is applied to a body to explain that force can cause change in the state of motion and shape of objects.

6. Derive the formula and calculate pressure for given force applied on a given area to

contact force.

- Activity to demonstrate that Magnetic & electrostatic forces are non-contact forces
- Activity to show that pressure exerted by water at the bottom of the container depends on the height of its column.
- Activity to show that pressure exerted by water increases with depth.
- Activity to show that liquid pressure exerts equal pressure at the same depth
- Activity to show the presence of atmospheric pressure.
- Numericals based on force and pressure.
- Worksheets.
- Ncert + Enrichment Exercises.

			<p>explain the phenomenon of pressure acting on objects in daily life. 7. Discover the direction of pressure applied by liquids when put in a container to infer that liquids exert pressure on walls of container. 8. Demonstrate and calculate the atmospheric pressure exerted due to air column above a given area to establish that atmospheric pressure is exerted without us realising it.</p>		
	NOVEMBER	<p><b>Ch 12 - Friction</b></p> <ul style="list-style-type: none"> <li>• Force of Friction</li> <li>• Factors affecting Friction</li> <li>• Friction: A Necessary Evil</li> <li>• Increasing and Reducing Friction</li> <li>• Wheels Reduce</li> </ul>	<p>1. Analyse situations where resistance is felt while applying force to move a body to explain friction force. 2. Discover the factors that cause friction when two bodies moving relatively to explain why it is easier to move an object on a smooth surface compared to rough surface. 3. Differentiate between</p>	<ul style="list-style-type: none"> <li>• Activity to study the force of friction depends upon the nature of the two surfaces in contact.</li> <li>• Activity to show that rolling friction is less than the sliding friction in magnitude.</li> <li>• Activity to test the effect of mass on friction.</li> <li>• Model making on Friction Ramp.</li> <li>• Enrichment</li> </ul>	

Friction  
• Fluid Friction

static, sliding and rolling friction to formulate strategies to reduce friction.  
4. Provide advantages and disadvantages of friction in order to justify friction as necessary evil.  
5. Explain why the streamlined body is needed when flying to explain drag caused by air.

Exercises. • Ncert Exercises.  
• Worksheets.

### Ch 13 - Sound

• Sound is Produced by a Vibrating Body  
• Sound Produced by Humans  
• Sound Needs a Medium for Propagation  
• We Hear Sound through Our Ears  
• Amplitude,

1. List examples of body moving in to and fro motion in order to explain vibration.  
2. Cite examples where sound travels from one point to another in order to establish that sound needs a medium to propagate.  
3. List commonly known musical instruments and identify the parts that vibrate to explain that vibration produce sound.  
4. Differentiate between

• Activity to show that sound travels through Solids, Liquids, and gases.  
• Activity to show that Sound does not travel through Vacuum.  
• To construct a Toy phone.  
• Activity to make a Jaltarang which produces Sound of different frequencies.  
• Activity to demonstrate the

Time Period  
and  
Frequency  
Of a  
Vibration  
• Audible  
and  
Inaudible  
Sounds  
• Noise and  
Music  
• Noise  
Pollution

frequency and  
amplitude to describe  
factors responsible for  
loudness and pitch of  
the sound.

5. List and identify  
functions of parts of  
human body that  
produces sound to  
explain the process of  
sound production in  
humans.

6. Describe the  
structure and function  
of an eardrum to  
explain how humans  
hear sound.

7. Distinguish  
between the ranges of  
audible and inaudible  
sounds to explain why  
certain sounds cannot  
be heard by humans.

8. List the harmful  
effects of noise  
pollution to mitigate it.

**Ch 14 -  
Chemical  
Effects of  
Electric  
Current**  
• Do Liquids  
Conduct

1. Distinguish between  
good and poor  
conductors of electricity  
to explain that various  
materials can conduct

functioning of vocal  
cords.

• Worksheets. •  
Ncert Exercises.  
• Enrichment  
Exercises.

• Activity to test  
whether a given  
liquid is a good  
conductor or poor  
conductor of

		<p>Electricity</p> <ul style="list-style-type: none"> <li>• Chemical Effects of Electric Current</li> <li>• Electroplating</li> </ul>	<p>electricity under certain conditions.</p> <p>2. List chemical effects of electricity to establish that electricity causes chemical reactions.</p> <p>3. Describe the process of electrolysis and electroplating to explain the application of chemical effects of electricity on metals</p>	<p>electricity.</p> <ul style="list-style-type: none"> <li>• Activity to study the process of Electrolysis and Electroplating.</li> <li>• Activity to identify the Positive terminal of the battery.</li> <li>• Model making of an Electric Tester (Simple Electric Circuit) and Electrolytic cell.</li> <li>• To make an electric pen</li> <li>• Worksheets.</li> <li>• Ncert Exercises.</li> <li>• Enrichment Exercises.</li> </ul>	
<p>PT-3 Max M: 40 (Weightage 5m)</p>	<p>DECEMBER</p>	<p><b>Ch 15 - Some Natural Phenomena</b></p> <ul style="list-style-type: none"> <li>• Lightning</li> </ul>	<p>1. Analyse if two objects attract or repel each other to establish that</p>	<ul style="list-style-type: none"> <li>• Project: To make a report on safety measures to be taken during a</li> </ul>	<p><b>30% of Term 2</b></p>

- Charging by Rubbing
- Types of Charges and Their Interaction
- Transfer of Charge
- The Story of Lightning
- Lightning Safety
- Earthquakes

similar charge repel while opposite charge attract each other.

2. Cite examples of visible sparks to explain the phenomenon of lightning.

3. Examine the sequence of lightning occurring in clouds to explain the process of electric discharge in nature.

4. Predict how lightning travels from the clouds to ground to describe the measures that must be taken during lightning.

5. Examine the working of electroscope to detect if an object is charged or not to apply the concept of similar charged objects repel each other.

6. Illustrate with a diagram the movement of earth to explain phenomenon of earthquake.

7. Identify and explain Seismic zones around earth to explain why some area are more affected by earthquake

thunderstorm, lightning and earthquake.

- To Experiment with comb and paper to show the positive and negative charge.
- Discussion on Sparks and on lightning conductor.
- Activity to show that like charges repel each other while the unlike charges attract each other.
- Activity to show the transfer of charges via electroscope.
- To prepare a report on the impact of earthquakes on the earth surface and human life Or Model making of Electroscope or Seismograph.
- Worksheets.
- Ncert + Enrichment Exercises.

		than others.	
JANUARY	<p><b>Ch 16 - Light</b></p> <ul style="list-style-type: none"> <li>• What makes Things Visible</li> <li>• Laws of Reflection</li> <li>• Regular and Diffused Reflection</li> <li>• Reflected Light Can be Reflected Again</li> <li>• Multiple Images</li> <li>• Sunlight- White or Coloured</li> <li>• What is inside Our Eyes?</li> <li>• Care of</li> </ul>	<ol style="list-style-type: none"> <li>1. Identify and calculate the angles of incidence and reflection of ray of light to illustrate the laws of reflection in real life.</li> <li>2. Illustrate with a line diagram how images invert when reflecting from a mirror to see the application of the laws of reflection.</li> <li>3. Distinguish between reflection from rough and smooth surface to differentiate between diffused and regular reflection.</li> <li>4. Establish that light can reflect multiple time with a set of mirrors by constructing a kaleidoscope.</li> </ol>	<ul style="list-style-type: none"> <li>• Activity to study the nature of image formed in a Plane mirror</li> <li>• Activity to study the nature of image formed by Concave &amp; Convex lenses</li> <li>• To Study the image formation in the Eye</li> <li>• Activity to study dispersion of light using a plane mirror inclined on a water surface.</li> <li>• Activity to prove the laws of reflection of light by using plane mirror.</li> <li>• Activity to study Thaumatrope.</li> </ul>



the Eyes  
• Visually Impaired Persons Can Read and Write  
• What is the Braille System

5. Describe the various parts of human eye and identify their functions to explain how humans see objects in presence of light.  
6. Recommend different measures for protecting eyes when a problem is felt to establish the importance of eye care.  
7. Describe the braille system to explain how people with visual impairment manage to read and write.

• Model Making a Kaleidoscope;  
Observing multiple images formed by mirrors placed at angles to each other.  
• Model Making of a Periscope.  
• Model Making of a Human eye.  
• Worksheets. • Ncert Exercises.  
• Enrichment Exercises.

**Ch 17 - Stars and Solar System**  
(Rationalized)

• The Moon  
• The stars  
• Constellations  
• The Solar System  
• Some Other Members of Solar System

1. Explain with diagram the different phases of moon to explain that moon rotates around earth.  
2. Differentiate between asteroids, comet and meteor to identify the celestial body.  
3. Categorize the name of commonly known group of stars to explain that constellations are

• To explore heavenly bodies: To find about structure, temperature, atmosphere, size and number of moons of each planet present in solar system.  
• Activity to observe different phases of the

group of stars with recognisable shape.

4. Outline and illustrate the planets of the solar system in order to correctly identify them.
5. Identify the name of different celestial bodies in the solar system to explain the constituting bodies of a solar system.
6. Describe artificial satellites in order correctly classify them as man-made celestial body.

moon.

- Model making of Solar system; Observing and identifying some prominent planets, visible to the naked eye.
- Visit to a Planetarium to explore celestial bodies.
- Working Model making of celestial bodies.
- Art Prints or Model making of Constellations.
- ICT Project: To prepare a PPT presentation on Heavenly bodies.
- Worksheets.
- Ncert Exercises.
- Enrichment Exercises.

**Ch 18 -  
Pollution of  
Air and  
Water**  
(Rationalize

1. Analyse and describe

- Activity to create awareness about

d)

- Air Pollution
- How does Air Get Polluted
- Case Study-The Taj Mahal
- Greenhouse Effect
- What can be Done?
- Water Pollution
- How does Water Get Polluted ?
- What is Potable Water and How is Water Purified ?
- What Can be Done ?

the problem of air pollution and water pollution to explain why it is a threat to human beings.

2. Explain the effect of greenhouse gases on the planet to explain potential reason for rising temperature of the planet.

3. Elaborate the formation and effects of acid rain to explain the reason for discolouration of the marble of monuments.

4. Enumerate steps that can be taken to clean water for drinking to explain how water can be made safe for drinking.

5. Explain how reducing, reusing and recycling industrial waste helps in reducing water pollution to explore measures to deal with water pollution.

6. Suggest alternate mechanism to lower carbon emission to explain ways to curb air pollution.

harmful effects of air and water pollution and developing need to control them.

- Case study and discussion on Air and water pollution.
- Construction of waterfilter with simple everyday materials.
- Activity to show the impact of acid rain on plants growth.
- Visit to nearby water treatment plant OR sewage treatment plant
- 5E Project: To delve into the water conservative techniques adapted in locality.
- Working model making of "Types of pollution" OR "Waste water treatment plant".
- Article writing on "The impact of Green house effect/ global warming on

	February			7. Cite steps taken to prevent water pollution in major rivers to explain measures to deal with water pollution.	Earth". • Worksheets. • Ncert Exercises. •Enrichment Exercises.	
			REVISION			
	ANNUAL EXAMINATION Max M: 80 (Weightage 80 m)	MARCH				Ch:2. Microorganisms: Friend and Foe Ch:4. Materials: Metals and Non-Metals Ch:9. Reproduction in Animals + Entire syllabus of Term 2

**\*Note-**  
**Rationalized**  
**chapters be taught**  
**through activities.**  
**Not to be tested.**



**SPLIT SYLLABUS : 2023-24****SUBJECT Social Science****CLASS : VIII(EIGHT)****TEXT BOOK - Resource and Development ( Geography), Social and Political life (Political Science) Our Pasts-III ( History.)**

<b>TERM-1</b>	<b>ASSESMENT</b>	<b>MONTH</b>	<b>CHAPTER &amp; Sub Topics</b>	<b>LERNING OBJECTIVES</b>	<b>ACTIVITIES</b>	<b>SYLLABUS COVERAGE</b>
APRIL TO SEPTEMBER	PT-1 <b>Max M: 40</b> (Weightage 5m)	APRIL	<b>HOW, WHEN AND WHERE</b> How Important are Dates? How do We Know?  <b>RESOURCES</b> Types of Resources Conserving Resources  <b>INDIAN CONSTITUTION</b>	<ul style="list-style-type: none"><li>• Understand the notions of the time, associate history with a string of dates, give some coherence to each era of history</li><li>• Learns about divisions of history into Hindu, Muslim and British based on administrative records.</li><li>• Comprehend the meaning of resources in terms of utility and value</li><li>• Respect and care for all-natural resources</li><li>• Familiarize with constitutive rules with the help of the case study of Nepal, learn</li></ul>	Draw any instrument used for mapping and survey operations during the colonial period. / Visit to Musuem  Draw any four methods of water conservation.  Write and learn the	30% of Term 1



Why do we need a Constitution?  
Key features of the constitution

very basic understanding of the significance of these features within the working of democracy

Preamble- Calligraphy

- Develop concerns of diversity, unity, socioeconomic reform and Representation, understand the ways in which a balance was created between the then existing concerns and the commitment to transform independent India into a strong and democratic society

**FROM TRADE TO TERRITORY**  
East India company comes East  
Company rules expand  
Setting up a new administration

- Describes the emergence of the British on the political horizon of India, initially it came as a trading company
- Analyze the process of annexation of Indian states by the East India Company using various strategies
- Recognize coming up of three presidencies, setting up of new judicial system, massive increase in military strength .

Mapwork- Places annexed by the British in India.

Poster Making on conservation of various resources.

MAY

**LAND, SOIL, WATER,  
NATURAL  
VEGETATION AND  
WILDLIFE**

Land

Soil

Water

Natural Vegetation &  
Wildlife

- Understand the physical factors of land use pattern
- Analyse the need for conservation of Land resources.
- Understand the process of soil formation and the causes for degradation.
- Constructive remedies for conservation measures.
- Locate the climatic zones that are most susceptible to water scarcity through case study and execute problem solving skills by stipulating methods for conservation of water resources across the globe.
- Enumerate factors for distribution of Natural Vegetation and wildlife. • Construct views on conservation of Natural Vegetation and Wildlife to balance the ecology on planet Earth.
- Learns the concept of peaceful co-existence where all the religions are same in the eyes of the law.

**UNDERSTANDING  
SECULARISM**

What is Secularism?  
Why is it important to  
separate religion from  
State?  
What is Indian  
Secularism?

- Avoids conflicts of interests and feeling of a subject by accepting that the two have different identities
- Sense of equality. prevails and all religions enjoy equal freedom.

Write a poem based on the theme- " Unity in diversity"

**RULING THE  
COUNTRYSIDE**

The Company Becomes  
the Diwan  
Crops for Europe  
The "Blue Rebellion" and  
After

- Analyses critically the company's strategy to become the chief financial administrator of the territory under its control.
- Learns about the strategy to yield revenue from countryside British expanded the cultivation of opium and indigo
- Raises questions about Rebellion by riots in Bengal and repressive measures adopted by the British.
- Understand the relation between the ideas of participation in decision-making and the need for all democratic governments to

Mapwork- Crops for Europe  
Picture Comprehension

Role Play on  
Constitution makers.

JULY

**WHY DO WE NEED  
PARLIAMENT?**

		<p>Why should People Decide? The Role of the Parliament Who are the People in Parliament?</p> <p><b>UNDERSTANDING LAWS</b></p> <p>Do Laws Apply to All? How Do New Laws Come About? Unpopular and Controversial Laws</p>	<p>have the consent of their citizens</p> <ul style="list-style-type: none"> <li>• Enables citizens of India to participate in decision making and control the government</li> <li>• Appreciates the reflection of society in the Parliament in form of presence of people from different backgrounds.</li> <li>• Understand the in-Discriminatory basis of law and its integral value in the society</li> <li>• Become sensitive to the problems faced by people</li> <li>• Raise voice against the repressive laws framed by the Parliament and get it corrected</li> </ul>	<p>Storyboard Analysis on Domestic violence followed by framing timeline.</p>	
<p>PT2 Max M: 80 (Weightage 80 m)</p>	<p>AUGUST</p>	<p><b>TRIBALS, DIKUS AND THE VISION OF A GOLDEN AGE. (Project Work-1<sup>st</sup> term) Internal assessment.</b></p>	<ul style="list-style-type: none"> <li>• Explain the disappearing tribal livelihoods, threat to life, danger to jhum cultivation</li> <li>• Understand the breaking of tribal social order and</li> </ul>	<p>Paper Presentation on Lifestyle, Custom &amp; Belief and the rebel involved against British rule.</p>	<p>30 + 20 = 50% Of Annual Syllabus</p>

How Did Tribal Groups Live?

How Did Colonial rule affect tribal?

A Closer Look

**MINERAL AND POWER RESOURCES**

Types of Minerals

Power Resources

**WHEN PEOPLE REBEL**

Policies and the People

A Mutiny Becomes a

Popular Rebellion

traditional functions due to forest laws

- Evaluate the rebellion by the tribal groups in different parts of the country against the changes in laws.
- Survey the distribution of minerals across the globe and in India, locate the distribution of important minerals
- Examines the vital role played by energy in our lives, critically analyses the reasons associated with the environmental pollution in reference to the usage of conventional sources and the benefits associated with the usage of non-conventional sources of energy.
- Examine the reasons for the loss of the powers of Nawabs, unrest of sepoys and peasants, introduction of religious and cultural reforms
- Learn about the biggest

Seminar- On conservation of Mineral/Power resource & Conventional Non conventional sources of energy.

Mapwork- Distribution of Minerals in India.

The Company Fights Back  
Aftermath

**JUDICIARY**

What is the Role of the  
Judiciary?

What is an Independent  
Judiciary?

What is the Structure of  
Courts in India?

What are the Different  
Branches of the Legal  
System?

Does Everyone Have  
Access to the Courts?

collective uprising against  
the British rule in the  
nineteenth century –  
mutiny 1857

- Describe the repressive  
measure used by the British  
against the Indians
- Observer transfer of the  
powers of the East India  
Company to the British  
Crown.
- Appreciate the significant  
role played by Indian  
judiciary in upholding the  
principles enshrined in the  
Constitution
- Attach significance to the  
judicial system in upholding  
the rule of law
- Explain three different  
levels of courts in our  
country and only one apex  
court.
- Understand civil law and  
criminal laws with the help  
of case studies
- Recognize greatly simplified  
justice system and access  
to justice by common  
people through public  
interest litigation

Event Mapping.

Prepare a list of Chief  
Justices of Supreme  
Court of India along  
with their period of  
service.(From  
independence till today)



		SEPTEMBER	<b>REVISION</b>			
<b>TERM-2</b>	<b>PT-3</b> <b>Max M: 40</b> <b>(Weightage 5m)</b>		<p><b>UNDERSTANDING OUR CRIMINAL JUSTICE SYSTEM</b> Role of the Police in Investigating a Crime Role of the Public Prosecutor and a Judge Fair Trial</p> <p><b>WEAVERS, IRON SMELTERS AND FACTORY OWNERS</b> Indian Textiles and the World Market The sword of Tipu Sultan and Wootz steel</p> <p><b>AGRICULTURE</b> Farm System Agricultural Development</p>	<ul style="list-style-type: none"> <li>Understand that the role played by the police is to arrest the person, every individual charged of a crime has to be given a fair trial</li> <li>Examines the Prosecutor's role in conducting the prosecution on behalf of the State and the role of the judge in conducting the trial impartially in an open court</li> <li>Ensures execution of all legal procedures during the trial</li> <li>Study about the exquisite Indian craftsmanship famous all over the world</li> <li>Learns about the Indian Wootz steel and reasons of setting up of Indian steel industry</li> <li>Critically analyse the factors due to which some countries are known for production of major crops.</li> <li>Comparative Case studies of the farms in India and USA under various</li> </ul>	<p>Street play</p> <p>Textile designing(tie &amp; dye)</p> <p>Chart making (Major crops Major regions)</p>	30% of Term 2
		OCTOBER				

			<p><b>CIVILISING THE 'NATIVE' AND EDUCATING THE NATION</b></p> <p>How the British saw Education?          What Happened to the Local Schools?          The Agenda for a National Education</p>	<p>parameters will enable the learner to frame developmental goals in the field of agriculture</p> <ul style="list-style-type: none"> <li>• Comprehend the strategic moves of the British to “civilize the natives” they changed the education policy to create “good subjects”</li> <li>• Flexible pathshalas run by Indian gurus were discouraged by regulations set by the British government.</li> <li>• Learn about the need for a wider spread of education propounded by Indian thinker and the government</li> </ul>	
OCTOBER TO MARCH		NOVEMBER	<p><b>UNDERSTANDING MARGINALIZATION</b></p> <p>Who are Adivasis?          Stereotyping and development          Minorities and Marginalization</p>	<ul style="list-style-type: none"> <li>• Identify various Indian communities the original inhabitant who lived in close association with forests. Learn about their beliefs and traditions.</li> <li>• Break the stereotypical semblance about their looks, costumes, dances etc.Cement the interconnectedness between the economic and</li> </ul>	<p>Performing Arts-Tribal dance, songs, jewel making, clay modelling...</p>

**INDUSTRIES**

Classification of Industries  
Distribution of major industries

**WOMEN, CASTE AND REFORMS**

Working Towards Change  
Caste and Social Reform

**CONFRONTING MARGINALIZATION**

Invoking Fundamental Rights  
Laws for the Marginalized  
Protecting the Rights of Dalits and Adivasis  
Adivasi Demands and the

- social dimensions of the tribal life
- Address marginalization of minorities through various struggles
- Categorize different types of industries based on raw materials, size and ownership,
- Examine different factors affecting location of industries, studies industrial System and enlist industrial regions across the world.
- Understanding Case studies of Iron and Steel and Cotton and Textile
- Apprehend the gender and caste differences prevailing in the society.
- Appreciate the contribution of Indian thinkers in bringing the social reforms to uplift the society
- Acquire understanding about Article 15 that has been used by Dalits to seek equality
- Promote Social Justice through understanding of specific laws and policies

Make a Flow chart to illustrate the Classification of industries.

Collect information about the contribution of any FIVE Woman social reformers of our country and prepare a detailed project with relevant pictures  
**(II TERM PROJECT: INTERNAL ASSESSMENT)**

Poster making- Steps taken by the Government in protecting the rights of

		1989 Act	<ul style="list-style-type: none"> <li>• Raise voice against the practice of ostracism by the powerful castes in the village.</li> <li>• Understand the act of 1989 and take seriously the ill treatment and humiliation Dalits and tribal group.</li> </ul>	<p><b>Dalits and Adivasis.</b> <b>(II TERM ACTIVITY-INTERNAL ASSESSMENT)</b></p>	
	DECEMBER	<p><b>HUMAN RESOURCES</b> Density of Population</p> <p><b>THE MAKING OF NATIONAL MOVEMENT: 1870S—1947</b> The Emergence of Nationalism The Growth of Mass Nationalism The March to Dandi Quit India and Later</p>	<ul style="list-style-type: none"> <li>• Evaluates the impact of Population Change analysis causes and patterns of Population Change globally.</li> <li>• Estimates the importance of different Population Composition (age groups) and their contribution the national economy.</li> <li>• Feel part of the modern consciousness or nationalism</li> <li>• Describe the emergence of freedom fighters and struggle against the Foreign rule</li> <li>• Emergence of Gandhi on the Indian political scenario His contribution to the attaining the Independence</li> <li>• Appreciate the nationwide demand of the freedom fighters to leave India and Muslim league’s demand for partition</li> </ul>	<p>Mapwork- Most populous countries of the world</p> <p>Collage ( Leaders, Slogan, Movements)</p>	

	<p style="text-align: center;">ANNUAL EXAMINATION <b>Max M: 80</b> <b>(Weightage 80 m)</b></p>	<p style="text-align: center;">JANUARY</p>	<p><b>INDIA AFTER INDEPENDENCE</b> A New and Divided Nation A Constitution is Written How were States to be Formed? Planning for Development The Nation, Sixty Years On</p> <p><b>PUBLIC FACILITIES</b> Water and the People of Chennai Water as Part of the Fundamental Right to Life Public Facilities In Search of Alternatives</p> <p><b>LAW AND SOCIAL JUSTICE</b> Bhopal gas tragedy - What is a Worker's Worth Enforcement of Safety Laws New Laws to Protect the</p>	<ul style="list-style-type: none"> <li>• Understand the challenges in making India a nation-state.</li> <li>• Learn significance of the lengthiest constitution of new India.</li> <li>• Attach significance to the linguistic basis of the formation of states</li> <li>• Understand the setting up of a Planning Commission to help design and execute suitable policies for economic development.</li> <li>• Feel proud of the continual achievements of India like still united and still democratic</li> <li>• Diagnose importance of equal availability, affordability and quality of water for all through case study of Chennai.</li> <li>• Identify the right to water as being a part of the Right to Life under Article 21 or universal access to water.</li> <li>• Recognize crucial role of the government in providing public facilities.</li> </ul>	<p>Assembly talk- on Planning for Development.</p> <p style="color: red;">Prepare a chart to illustrate the factors responsible for shortage of water in India (Pictorial illustration) (II TERM ACTIVITY)</p> <p>Give some examples of situations where laws exist but people do not follow them because of poor enforcement. (Stick relevant pictures) Suggest some ways in which enforcement can be improved.</p>	<p>30 % of Term 1 + Entire syllabus of Term 2</p>
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Environment

- Critically analyze the situation and find out the most suitable options to exterminate the problem.
- Analyze the causes of the tragedy and to combat injustice against the worker.
- Learns about the right to Life guaranteed under Article 21 of the Constitution and need for strict adherence.
- Demand stronger laws protecting workers' interests and environment etc.

FEBRUARY

REVISION

MARCH

ANNUAL EXAM





**BIFURCATION OF SYLLABUS (2023-24)**

**SUBJECT: - MATHEMATICS**

**CLASS: - VIII**

**TEXT BOOK – NCERT MATHEMATICS**

TERM I	ASSESSMENT	MONTH	WORKING DAYS	CHAPTER	SUB TOPICS	LEARNING OBJECTIVES	ACTIVITY	SYLLABUS COVERAGE
APRIL TO SEPTEMBER	PT-1 Max M:40 (Weightage 5 m)	April	15	1. <b>Rational numbers</b>	Introduction to Rational Numbers	<ul style="list-style-type: none"><li>➤ Define rational number, additive and multiplicative identity of rational numbers</li><li>➤ Apply the properties of natural numbers, whole numbers and integers with respect to all the arithmetic operations and extend them for rational numbers.</li><li>➤ Apply Distributive property of multiplication over addition for rational numbers and simplify a given expression.</li></ul>	Pick and locate rational numbers in the number line.	30% of Term-1.
					Representation of Rational Numbers on the Number Line	<ul style="list-style-type: none"><li>➤ Extend the concepts of number line and represent rational number on the number line.</li></ul>		
					Rational Numbers between Two Rational Numbers	<ul style="list-style-type: none"><li>➤ Calculate and find rational numbers between any two rational numbers and prove that there are infinite rational numbers between any two given rational numbers.</li></ul>		
				2. <b>Linear equations in one variable</b>	Meaning of Linear Equation in one variable and its solution	<ul style="list-style-type: none"><li>➤ Identify the variable(s) and the highest power of the variable in a given algebraic equation and distinguish whether it is a linear equation in one variable or not.</li><li>➤ Substitute the given values of variable and verify whether it is the solution of the equation or not.</li></ul>	To solve some linear equation in one variable using paper cut outs.	
Solving Equations which have Linear Expressions on one Side and Numbers on the other Side	<ul style="list-style-type: none"><li>➤ Transpose terms to the other side and solve linear equations which have linear expression on one side and numbers on the other side.</li></ul>							

		<b>June</b>	<b>15</b>	<b>2. Linear equations in one variable (Cont.)</b>	Applications of Linear Equations with one variable	➤ Write simple contextual problems as linear equations in one variable and find its solution.		
					Solving Equations having the Variable on both Sides	➤ Transpose terms to the other side in order to solve linear equations in one variable which have variable on both sides.		
					Reducing Equations to Simpler Form	➤ Simplify the given linear equation in one variable and solve them.		
					Equations Reducible to the Linear Form	➤ Use cross multiplication and reduce certain equations into their linear form.		
		<b>July</b>	<b>23</b>	<b>3. Understanding quadrilaterals</b>	Classification of Polygons	➤ List the properties of a polygon in order to classify the given figures as a polygon and the properties of different types of polygons and classify them as regular or irregular, concave or convex.	To design a floor tile pattern using different types of quadrilaterals (ART)- TESSELLATION	
					Angle sum property of polygons	➤ Recall the angle sum property of triangle in order to extend it for quadrilaterals. ➤ Relate the angle sum property of triangle and quadrilateral in order to extend it for an n-sided polygon. ➤ Apply angle sum property of a quadrilateral in order to find the measure of the unknown angle in a given quadrilateral		
					Sum of the Measures of the Exterior Angles of a Polygon	➤ Apply exterior angle property of a polygon in order to find the measure of the unknown angle in a given figure		
					Kind of Quadrilaterals	➤ List the properties of quadrilaterals in order to classify them as trapezium, kite and parallelogram		
					Some special Parallelograms	➤ Discuss the properties of a parallelogram, rhombus, rectangle, square.		
				<b>4. Practical geometry</b>	Constructing a Quadrilateral	➤ Discuss and list the minimum number of elements required in order to construct a unique quadrilateral. ➤ List and execute steps of construction in order to construct a quadrilateral given information	Construction of Quadrilaterals Parallelogram, Rhombus,	

					Some Special Cases	<ul style="list-style-type: none"> <li>➤ Identify the minimum number of elements required in order to construct special cases of quadrilaterals</li> </ul>	Quadrilaterals	
		August	24	5. Data handling	Looking for Information	<ul style="list-style-type: none"> <li>➤ Recall the different types of graphical representation (namely pictograph, bar graph and double bar graph) of data in order to represent the given data in the most suitable representation and interpret them</li> </ul>	<p>Make a survey in your locality to find the following:</p> <ol style="list-style-type: none"> <li>1. How many old age people are there.</li> <li>2. Number of children below 5 years.</li> <li>3. Number of women and men.</li> <li>4. Number of CANDIDATES ELIGIBLE FOR VOTING</li> </ol> <p>Draw a <b>Bar Graph</b> for the above data. Represent these data in as a <b>Pie Chart</b> and <b>Histogram</b> for the marks obtained.</p>	
					Organising raw data	<ul style="list-style-type: none"> <li>➤ Use tally marks in order to organise the given raw data in a frequency distribution table</li> </ul>		
					Grouping data	<ul style="list-style-type: none"> <li>➤ Use tally marks in order to prepare a grouped frequency distribution table for large ungrouped data</li> <li>➤ Construct histogram in order to represent the given grouped data and discuss the elements of the given histogram in order to interpret it</li> </ul>		
					Circle graph or Pie Chart	<ul style="list-style-type: none"> <li>➤ List and execute steps of construction in order to construct a circle graph and read a given circle graph in order to infer a variety of information from it</li> </ul>		
					Chance and Probability	<ul style="list-style-type: none"> <li>➤ List all the possible outcomes of an experiment in order to define the equally likely outcomes</li> <li>➤ List all the possible outcomes of an event in order to calculate the probability of a given event</li> </ul>		
				6. Squares and square roots	Properties of Square Numbers	<ul style="list-style-type: none"> <li>➤ Define perfect squares in order to classify the given numbers as perfect squares or non-perfect squares</li> <li>➤ Observe the number in order to find the unit place of its square, different number patterns in order to deduce square numbers</li> <li>➤ Use the rule that there are exactly <math>2n</math> non-perfect square numbers between the squares of the number <math>n</math> and <math>(n+1)</math> in order to find how many numbers, lie between the squares of the given two consecutive numbers</li> </ul>	Calculating square of a given number using pattern and verifying it numerically.	
					Finding the Square of a Number	<ul style="list-style-type: none"> <li>➤ Use the rule that a perfect square number (<math>n^2</math>) can be written as the sum of first <math>n</math> odd natural numbers in order to distinguish between square and non-square numbers</li> <li>➤ Use Pythagoras theorem in order to find the Pythagorean triplet</li> </ul>		

					Square Roots	<ul style="list-style-type: none"> <li>➤ Apply inverse operations on a given perfect square in order to deduce square root of this number</li> <li>➤ Use method of repeated subtraction, prime factorization method and long division method in order to find the square root of the given square number.</li> <li>➤ Use prime factorization method and long division method in order to find the smallest number to be operated (all the four arithmetic operations) on given number to get a perfect square and then find the square root of the new number</li> </ul>		
					Square Roots of Decimals	<ul style="list-style-type: none"> <li>➤ Use long division method in order to find the square root of the given decimal number</li> </ul>		
					Estimating Square Root	<ul style="list-style-type: none"> <li>➤ Use estimation in order to approximate the value of the square root of the given number to the nearest whole</li> </ul>		
				<b>7. Cubes and Cube roots</b>	Cubes	<ul style="list-style-type: none"> <li>➤ Define perfect cube or cube number and classify the given numbers as cube numbers or non-cube numbers.</li> <li>➤ Observe the properties of cube numbers.</li> <li>➤ Use prime factorisation to determine whether the given number is a perfect cube or not and to find the smallest number to be operated (Multiplication or division) on a given number to get a perfect cube.</li> </ul>	1. Number Wheel of cubes 2. Cube root clock	
					Cube Roots	<ul style="list-style-type: none"> <li>➤ Use prime factorisation to find the cube root of a number.</li> <li>➤ Use estimation and find the cube root of a given perfect cube.</li> </ul>		
	<b>PT-2</b> <b>Max M:80</b> <b>(Weightage 80 m)</b>	<b>September</b>	<b>22</b>	<b>8. Comparing quantities</b>	Recalling Ratios and Percentages	Convert ratios to percentage in order to solve the given questions	Prepare and analyse budget of a birthday party including the concepts of interest, discount, tax of different items and overall profit.	30+20=50% of Annual Syllabus
Discount, Profit, Loss					<ul style="list-style-type: none"> <li>➤ Apply the formula for discount and discount percentage in order to solve the given problem on discount</li> <li>➤ Calculate the discount in given situations in order to comment whether the seller has made a profit/loss in the given transaction</li> </ul>			
Simple Interest and Compound Interest					<ul style="list-style-type: none"> <li>➤ Define and compare simple interest and compound interest and calculate the simple interest and compound interest in order to find the total amount to be paid by the debtor</li> </ul>			
Rate Compounded Annually or Half Yearly					<ul style="list-style-type: none"> <li>➤ Define the terms 'compounded annually', 'compounded half yearly' and 'compounded quarterly' and give examples in order to differentiate between the three</li> </ul>			

<b>TERM-2</b> OCT TO MARCH	<b>PT-3</b> <b>Max M:40</b> <b>(Weightage 5 m)</b>	<b>October</b>	<b>14</b>	<b>9. Algebraic expressions and identities</b>	Introduction	<ul style="list-style-type: none"> <li>➤ Define algebraic expressions, like and unlike terms. Identify like and unlike terms in algebraic expressions and add or subtract the given algebraic expressions.</li> </ul>	Generalisation of identities using colour papers	30% of Term-2
					Classification	<ul style="list-style-type: none"> <li>➤ Classify algebraic expressions as monomial, binomial, trinomial and polynomial in general.</li> </ul>		
	Multiplication				<ul style="list-style-type: none"> <li>➤ Use rules of exponents and powers and multiply a monomial by monomial.</li> <li>➤ Use distributive property of multiplication over addition and subtraction to obtain the product of a monomial and a binomial, a binomial and a binomial and in general a polynomial by a polynomial.</li> </ul>			
	Standard Identities and its applications				<ul style="list-style-type: none"> <li>➤ Use multiplication of binomials in order to explore and verify the standard identities for squares of binomials</li> <li>➤ Use identities in order to simplify the given algebraic expressions</li> <li>➤ Use identities in order to find the product of the given numbers</li> </ul>			
		<b>November</b>	<b>22</b>	<b>10. Visualizing solid shapes</b>	Views of 3DShapes	<ul style="list-style-type: none"> <li>➤ Compare 2D shapes and 3D shapes in order to classify a given shape into either</li> <li>➤ Identify different shapes in nested objects in order to match the object with its shape</li> <li>➤ Visualize 3D objects in order to draw them from different perspectives</li> <li>➤ Discuss the given front, top and side view of an object in order to identify the object</li> </ul>	1. Mapping the locality  2. Making prisms, pyramids and verify Euler's formula	
	Mapping Space Around Us				<ul style="list-style-type: none"> <li>➤ Discuss the elements in a map in order to differentiate between a map and a picture</li> <li>➤ Read and interpret simple map in order to answer questions based on them</li> <li>➤ Choose appropriate scale and use symbols to denote landmarks in order to draw a simple map</li> </ul>			
	Faces, Edges and Vertices				<ul style="list-style-type: none"> <li>➤ Identify faces, edges and vertices in a given solid in order to classify it as a polyhedron or a non-polyhedron</li> <li>➤ Count vertices, edges and faces in 3D figures with flat faces in order to verify Euler's formula</li> </ul>			

				<b>11. Mensuration</b>	Area of plane figures	➤ Calculate area and perimeter of circle, square, rectangle, triangle, trapezium, polygon in order to calculate area and perimeter of adjoint shapes	Making net solids and deriving the surface area of those solids	
			Surface Area of Cube, Cuboid and Cylinder		➤ Calculate the surface area of a cube, cuboid and cylinder to determine the cost of painting/covering their surface			
			Volume of Cube, Cuboid and Cylinder		➤ Calculate the volume of a given cuboid, cylinder in order to determine the time taken to fill it with a liquid at a given rate			
		<b>December</b>	<b>17</b>	<b>12. Exponents and Powers</b>	Powers with Negative Exponents	➤ Simplify powers with negative exponents in order to calculate the multiplicative inverse of a number	1)Exponents Maze 2)To find the value of $a^n$ (where a and n are natural numbers) using paper folding	
					Laws of Exponents	➤ Give examples in order to show that is valid for all integer exponents. ➤ Apply the first law of exponents ( ) and principles of negative exponents in order to derive the rest of the laws of exponents ➤ Apply laws of exponents in order to simplify a given expression		
					Express Small Numbers in Standard Form	➤ Express very large and very small numbers in the standard form in order to compare and estimate quantities		
				<b>13. Direct and Inverse Proportions</b>	Direct proportion and Inverse proportion	➤ Examine situations in order to decide whether two quantities are proportional to each other or not ➤ Complete a given table showing two proportional quantities in order to answer questions based on them ➤ Convert the given statement on relationship (directly or inversely proportional) between two quantities into a table in order to identify the missing quantity and solve for its value	Write daily life examples for the following  1. Direct Proportion 2. Inverse Proportion	
				<b>14. Factorisation</b>	Factors of algebraic expressions	➤ Express each term as a product of irreducible factors in order to find the common factors of the given terms	Factorisation using paper cutting and pasting.	
					Method of common factors	➤ Use the method of common factors in order to factorize the given algebraic expression		
		Factorisation by regrouping terms	➤ Regroup the terms in order to factorize the given algebraic expressions					

		January	22	Factorisation using identities	➤ Apply the standard algebraic identities in order to factorize the given algebraic expressions			
				Division of Algebraic Expressions	➤ Use the common factor method in order to divide a monomial by a monomial, polynomial by a monomial and polynomial by a polynomial			
				Find the Error	➤ Check the given mathematical statements in order to find and give reasons for the possible errors in them			
				15. Introduction to graphs	A line graph	➤ Draw a line graph in order to represent the given data that changes continuously over periods of time ➤ Interpret the given line graph in order to answer the given questions	By plotting the points given. To identify the face formed by joining the points in order.	
					Linear graph and Location of a point/coordinates	➤ Plot a point on the graph in order to describe its coordinates ➤ Plot the given points on the graph in order to verify if they lie on the same line or not		
		Some applications	➤ Construct the line graph in order to discuss the relationship between independent and dependent variable in a given mathematical situation					
		16. Playing with numbers	Games with Numbers Tests of Divisibility	➤ Use the concepts of place value and express the given numbers in their generalised form. ➤ Use addition and multiplication and find the values of the letters in the given puzzles. ➤ Apply the divisibility rules of 2, 3, 5, 9, 10 and find the missing digits of a numbers.	Puzzles			
11		February	22	Revision				
12	ANNUAL EXAMINATION Max M:80 (Weightage 80 m)	March	23	Annual Exam and Results			30% of Term-1 + Entire syllabus of Term-2	